

DHA Energy Supply Company (Pvt.) Ltd

2/B East Street, Phase-I, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

Date 2 Sep 24

Registrar

National Electric Power Regulatory Authority (NEPRA) NEPRA Tower, Ataturk Avenue (East) G-5/1 Islamabad

Subject:

DHA Energy Supply Company (Private) Limited – Application for a Supply License

I, Usman Rafique, Director, being the duly authorized representative of DHA Energy Supply Company (Private) Limited ("DESCO") by virtue of Board Resolution dated 2nd Sep 2024, hereby apply to the National Electric Power Regulatory Authority for the grant of a supply (supplier of last resort) license for category I to DESCO pursuant to section 23E of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997.

I hereby certify that the documents-in-support attached with this application are prepared and submitted in conformity with the provisions of the National Electric Power Regulatory Authority Licensing (Application, Modification, Extension and Cancellation) Procedure Regulations, 2021, and undertake to abide by the terms and provisions of the above-said regulations. I further undertake and confirm that the information provided in the attached documents-in-support is true and correct to the best of my knowledge and no material omission has been made.

A Pay Order in the sum of Rupees PKR. 816,637/- being the license application fee calculated in accordance with Schedule II to the National Electric Power Regulatory Authority Licensing (Application, Modification, Extension and Cancellation) Procedure Regulations, 2021, is also attached herewith.

Date: 2 Sep 24

USMAN RAFIQUE DIRECTOR

DHA Energy Supply Company (Private) Limited

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

PETITION FOR THE GRANT OF SUPPLY LICENSE

ON BEHALF OF DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED (DESCO)

Dated: 02 October 2024

Legal Consultants

RIAA Barker Gillette

3rd Floor, 65-W, Executive Heights, Block H, Fazl-ul-Haq Road, Blue Area, Islamabad Tel: (051) 111-LAWYER Fax: (051) 2852427-30 www.riaabarkergillette.com

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SUPPLY LICENCE PETITION DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

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SUPPLY LICENCE PETITION DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

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DHA Energy Supply Company (Pvt.) Ltd.

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EXTRACTS FROM RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

Dated 2nd Sep 2024

RESOLVED that DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED (the "Company") shall apply for a supply license in respect of the Company's upto 10 MW distribution project in DHA City Karachi, KM-50, Motorway M-9, in the province of Sindh (the "Project"), and in relation thereto, sign all requisite documentation, pay all applicable fees, and undertake all other necessary and ancillary acts and deeds.

RESOLVED FURTHER that an application for a supply license be made to NEPRA with regards to the Project (the "License Application").

RESOLVED FURTHER that Mr. Usman Rafique bearing CNIC No. 42501-8808302-7, Director of the Company, be and is hereby authorized to sign the License Application and any documentation ancillary thereto, represent before and provide any information required by the National Electric Power Regulatory Authority in relation to the License Application, do all lawful acts and deeds necessary and ancillary for the processing, completion and finalization of the License Application, and authorize legal advisors to represent the Company before the National Electric Power Regulatory Authority in respect of the License Application.

CERTIFIED TO BE TRUE COPY

and udden

HASEEB HAFEEZUDDEEN

DIRECTOR

DHA Energy Supply Company (Private) Limited

CERTIFICATION

CERTIFIED, that, the above resolution was duly passed by the Board of Directors of DHA Energy Supply Company (Private) Limited in their meeting held on 2nd Sep 2024, for which the quorum of directors was present.

FURTHER CERTIFIED, that the said resolution has not been rescinded and is in operation and that this is a true copy thereof.

HASEEB HAFEEZUDDEEN

Bankudde

DIRECTOR

DHA Energy Supply Company (Private) Limited

VAKALATNAMA

I, USMAN RAFIQUE S/o Mr. GHULAM RAFIQUE AHMED, bearing CNIC No. 42501-8808302-7, the Director, hereby appoint and constitute MR. NADIR ALTAF, Mr. MUHAMMAD FAHIM KHAN, MS. NOOR TARIQ AND MS. SOHA ABID of M/S RIAA Barker Gillette to appear and act for DHA Energy Supply Company (Private) Limited as our legal advisors in connection with preparation, filing and follow up of the application before the National Electric Power Regulatory Authority for a supply license in respect of 10 MW distribution project in DHA City Karachi, KM-50, Motorway M-9, in the province of Sindh and represent us in connection therewith.

The above-mentioned legal advisors, or any of them, are also authorized to do all acts and things necessary for the processing, completion, acceptance, and finalization of the application for supply license with the National Electric Power Regulatory Authority.

Dated: 9th Sep 2024

Brig Usman Rafique (Retd)

For and on behalf of

DHA Energy Supply Company (Private) Limited

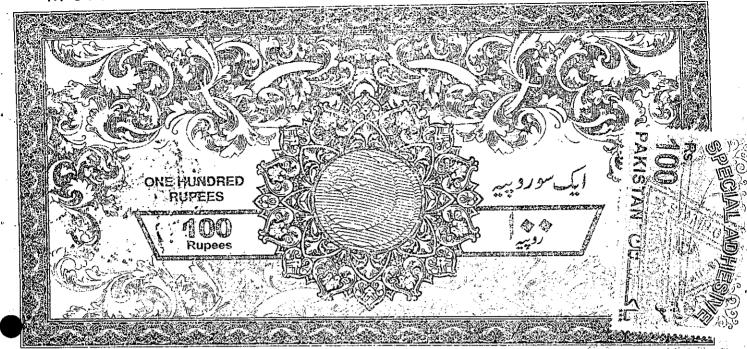
ACCEPTED

RIAA Barker Gillette

Third Floor 65-W Executive Heights, Fazal e Haq Rd, G 7/2 Blue Area,

Islamabad

UAN: 111-LAWYER



Muhammad Rafay Stamp Vendor
LIC No.47, Shop Ho. Z-W, F-South
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BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

AFFIDAVIT

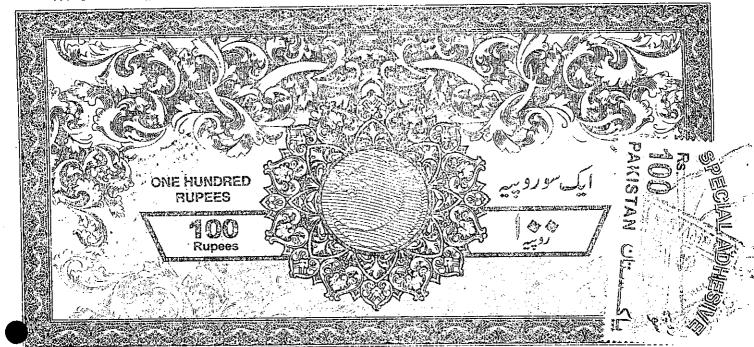
I, Usman Rafique S/O, Ghulam Rafique Ahmed bearing CNIC No. 42501-8808302-7, Director, being duly authorized by DHA Energy Supply Company (Private) Limited, hereby solemnly affirm and declare on oath that the contents of the accompanying application of DHA Energy Supply Company (Private) Limited for a supply license, including all attached documents-in-support, are true and correct to the best of my knowledge and belief and that nothing has been concealed.

(DEPONENT)

Usman Rafique

Director

Dated 11 Leg 24



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BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

AFFIDAVIT

I, Usman Rafique S/O, Ghulam Rafique Ahmed bearing CNIC No. 42501-8808302-7, Director, being duly authorized by DHA Energy Supply Company (Private) Limited, hereby solemnly affirm and declare on oath that DESCO applied for a distribution license vide application dated 16.06.2017. The Sindh High Court however issued a stay order against the processing of this application in Suit No. 2259/2017. This application by DESCO has remained pending with NEPRA till date, however, due to the promulgation of the NEPRA Amendment Act, 2018 it may be considered infructuous. DESCO has not been granted any other license, till date, under the NEPRA Act, 1997. DHA Energy Supply Company (Private) Limited has also not been refused the grant of any license under the NEPRA Act, 1997.

(DEPONENT)

Usman Rafique

Director

Dated: 11 . Sept by

II. COMPANY INFORMATION

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PETITION:

For the grant of Supply License on behalf of DHA Energy Supply Company (Private) Limited ("DESCO" or "Petitioner")

LEGAL REGIME

Under the Regulation of Generation, Transmission and Distribution of Electric Power Act (Act No. XL of) 1997 (the "NEPRA Act"), the Authority is mandated to, *inter alia*, grant licenses for generation, transmission, distribution and supply of electric power and perform such functions which are consequential or incidental thereto.

The Petitioner has filed this petition for the grant of a supply license (the "SL Petition") before the National Electric Power Regulatory Authority (the "NEPRA" or the "Authority") pursuant to Section 23E of the NEPRA Act, the NEPRA Licensing (Electric Power Supplier) Regulations 2022 (the "Supply Regulations") and other enabling provisions of NEPRA Rules, Regulations, Codes and Applicable Documents.

Specifically, the Petitioner's supply network will be located at the North-East of Karachi and is accessed by Karachi Hyderabad Super-Highway M-9 ("DHAC") for the sole and exclusive supply of power to the real estate project located at DHAC.

The intended area falls within the service territory of the Karachi Electric Limited ("KEL") pursuant to its supply license No. SOLR/09/2024 dated 19.01.2024. Having stated the foregoing, the DHAC is not connected to KEL's distribution and supply network.

In light thereof, the Authority is empowered under the NEPRA Act to allow the Petitioner to supply power in the DHAC.

THE PETITIONER - DESCO

The Petitioner is a 'special purpose vehicle' of the DHA Karachi (referred to as the "Sponsor"), incorporated and existing under the laws of Pakistan. Copies of the Certificate of Incorporation, the Memorandum of Association and Articles of Association of the Petitioner are appended as Annexes A-1 and A-2.

The Petitioner has an authorised capital of PKR 100,000,000 PKR 100,000,000 and paid-up capital of 10,000,000 divided into 1,000,000 ordinary shares of PKR 10 each.

The Petitioner has been incorporated by its Sponsor to *inter alia* undertake the development of distribution and supply network at DHAC. To make the DHAC functional for the residential and commercial entities set-up therein and to provide seamless electric power connectivity, the Petitioner now seeks to develop its own distribution and supply network for the DHAC and is currently in the process of laying the required distribution infrastructure.

The Petitioner intends to procure power for distribution to the DHAC from Lucky Cement and other generators located in the vicinity. Lucky Cement commitment to sell power to DESCO for this purpose is evidenced in the letter dated 10.09.2024, appended as **Annex B**.

The objectives of the Petitioner will include *inter alia* engaging in the activities relating to the business of construction, ownership, management, control, operation and maintenance of the electricity distribution lines, electrical distribution facilities, electrical circuits, transformers and sub-stations as well as the movement and delivery of electric power on distribution lines,

undertaking distribution activities and distribution business, interconnection services and facilities and the matters connected therewith and incidental thereto.

As the supply of electric power in Pakistan is a regulated activity, the Petitioner requires permission from the Authority in the form of a Supply Licence. Separately, the Petitioner has also applied for a Distribution License to undertake distribution of electric power in DHAC.

THE SPONSOR - DHA KARACHI

DHA Karachi is a statutory body with over decades of experience in the real estate market in Pakistan. DHA Karachi has been primarily involved in the construction and development of key real estate projects in Pakistan.

The composition of the Petitioner's shareholding is as follows:

DHA Karachi (through its subsidiary company DHA Energy Services (Private) Limited] owns 999999 of the paid-up shares.

DHA CITY

The DHA City is a real estate project located in North-East Karachi which aims to provide a premium residential facility to cater to that region. DHA City is built on national and international standards with all public facilities required for a modern city.

DHA City Karachi spreads over an area of 22,446 acres with categorized DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC Shuhda Land (902 acres). It has an uneven, rocky terrain in the Northeast (NE) and Southeast (SE) region whereas Southwest (SW) and Northwest (NW) are mostly plain and even regions.

Purpose of the Supply Licence

The DHA City is being developed as a real estate project with an in-house power distribution and supply network.

As DHAC is a large-scale real estate project, the reliable distribution and delivery of electric power is critical for the success of the project. DHA Karachi has the financial and technical prowess to set-up a strong distribution network which will meet the needs of the residents in the DHAC.

Needless to say, the provision of a reliable electricity distribution and supply is key to ensuring the viability of the DHAC as a project. Moreover, DHAC eventual self-sufficiency may serve to set a precedent for other housing projects, which in turn will serve to reduce the load on the overburdened distribution companies.

In light of the foregoing, the Petitioner requests the learned Authority to favourably consider this SL Petition for the grant of a Supply Licence, which will enable the Petitioner to reliably distribute and supply electric power to the zone enterprises of DHAC. The grant of a supply license to the Petitioner will pave the way towards energy sustainability and electrical reliability for other similar projects in the country.

The Petitioner has constituted a team of experts and consultants to undertake the proposed distribution activities. The profiles of the Petitioner's management staff are appended with this SL Petition as Annex C-6 as per the requirement of the NEPRA.

DETAILS AND SALIENT FEATURES OF THE SUPPLY LICENCE

The proposed distribution and supply infrastructure and the line route to be constructed by the Petitioner are fully explained in **Annexe F-1 to F-13** including the Load Flow Study, etc.

FINANCIAL STRENGTH

The Petitioner' primary sponsor, DHA Karachi, has demonstrably strong financial capabilities to fund the development of proposed distribution network. Evidence of the financial strength of the both the Petitioner and DHA Karachi is appended as **Annex C-1 to C-5**.

SYSTEM STUDIES & SPECIFICATION OF EQUIPMENT

The Petitioner has reviewed the relevant technical details of the distribution infrastructure to be established with necessary specifications including the control and protection system.

The distribution infrastructure established by the Petitioner will be compliant with the requirements of the applicable environmental laws and policy and the infrastructure and routing alternatives of the Petitioner will be based on such environmental considerations including construction activities, right-of-way clearing and impacts of construction and operation of towers, access roads, substations and related facilities.

BILLING AND COLLECTION

The details relating to metering, billing and collection are appended with this SL Petition as **Annex F-9**.

O&M, TRAINING & DEVELOPMENT

The Petitioner shall implement the operation & maintenance, training and development programmes that meet the Authority's approved specifications. These programmes shall be developed before the commencements of operations of the Petitioner. The Petitioner plans to employ, *inter alia*, experienced and trained personnel to carry out the operation and maintenance of the distribution system.

ADDITIONAL INFORMATION

The Petitioner shall provide NEPRA such further or additional information, clarification or explanation as it may require from time to time.

It is respectfully submitted that the Petitioner also requests the Authority to allow it to supplement and submit such information and supporting material that it may deem appropriate.

8 PRAYER

- 8.1 In light of the forgoing, the Petitioner respectfully prays that the learned Authority kindly:
- 8.1.a accept the instant SL Petition and grant the Supply Licence to the Petitioner for the purpose of undertaking supply activities;
- 8.1.b allow such other reliefs which is just, fair, proper, better and necessary in these circumstances.

Dated: 02.10.2024

PETITIONER

DHA Energy Supply Company (Private) Limited.

through

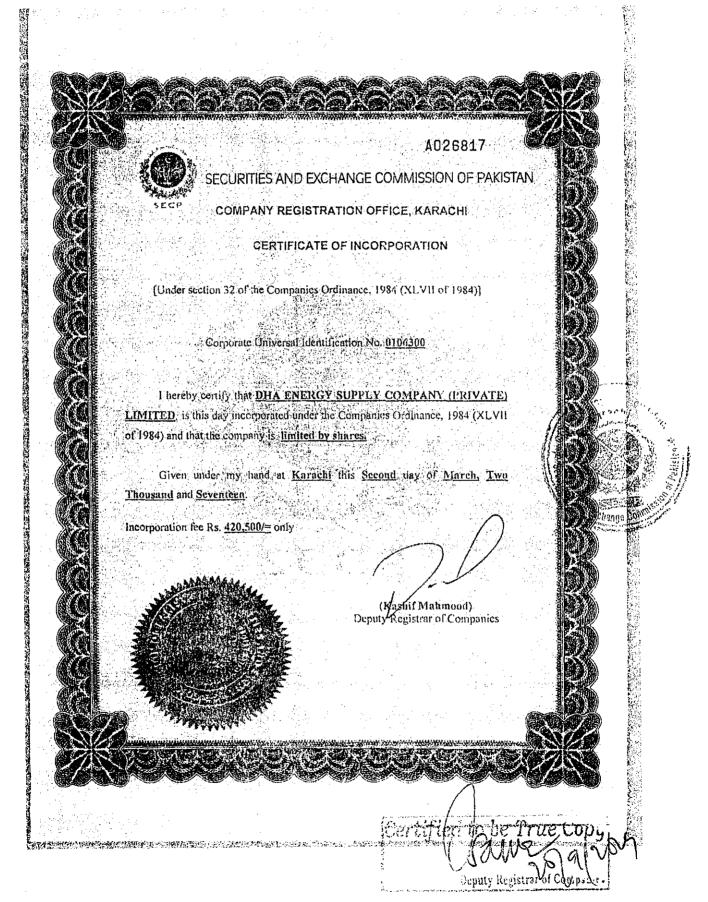
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ANNEX - A-1

CERTIFICATE OF INCORPORATION

DESCO's Certificate of Incorporation is appended herein below.



ANNEX - A-2

MEMORANDUM AND ARTICLES OF ASSOCIATION

DESCO's Memorandum and Articles of Association are appended herein below.

THE COMPANIES ORDINANCE, 1984

(COMPANY LIMITED BY SHARES)

MEMORANDUM OF ASSOCIATION

OF

DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

- I. The name of the company is 'DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED' (the "Company").
- II. The Registered Office of the Company will be situated in the Province of Sindh.
- III. The objects for which the Company is established are all or any of the following:
- 1. To carry on all or any of the businesses of generation, transmission, distribution, purchase and sale of electricity and to deal in all goods derived from or relating to such business including but without limitation to, steam, fuel, lignite, coal, ash, conversion of ash into bricks and any other products derived from or connected with any other form of energy, including, but without limitation to conventional sources such as heat, thermal, hydel and/or from nonconventional sources such as tidal wave, wind, solar, geothermal, biological, biogas and coal bed methane.
- To locate, finance, set-up, develop, own, acquire, establish, construct, design, equip, operate, use, manage, invest in and maintain power generation facilities / power plants (including power generation facilities / power plants utilizing wind, hydel, solar, thermal, tidal, coal, gas, diesel oil, and/or any other means of energy or fuel), jetties, power grid station, transforming, switching, conversion, and transmission facilities, distribution facilities, cables, overhead lines, sub-stations, switching stations, tunnels, cable bridges, link boxes, heat pumps, plant and equipment for combined heat and power schemes, offices, computer centers, shops, depots, factories, workshops, plants, warehouses and other storage facilities, together with all machinery, equipment, cables, wires, lines, accumulators, and works ancillary to the aforesaid anywhere in or outside Pakistan and to do all such acts, deeds and things, without limitation whatsoever, as may be necessary or desirable in that connection.
- 3. To buy, sell, hold, acquire or invest the capital and funds of the Company in securities and investments of every kind and description including but not limited to shares, stocks, fixed income securities, modaraba certificate, musharaka certificates, participation term certificates, term finance certificates, mutual fund certificates, units, certificates of investments, commercial papers, debentures, debenture stocks, bonds, obligations or securities issued or guaranteed in Pakistan or abroad by any company

incorporated or registered in Pakistan by the Government or public body or Authority both for short term or long term gains and to realize such gains.

- 4. To acquire or undertake the whole or any part of the business, goodwill, and assets of any person, firm, or company and as part of the consideration for such acquisition to undertake all or any of the liabilities of such person, firm or company, or to acquire an interest in, amalgamate with, or enter into partnership or into any arrangement for sharing profits, or for co-operation, or for mutual assistance with any such person, firm or company, and to give or accept, by way of consideration for any of the acts or things aforesaid or property acquired, any shares, debentures, debenture stock or securities that may be agreed upon.
- To carry out all types of services relating to development and operation of business of generation, purchase, sale, transmission and distribution of energy and to perform all other acts which are necessary or incidental to the business of electricity generation, supply, transmission, distribution and trading of energy.
- 6. To develop business plans, feasibility studies, carry out surveys, and do such other activities that are indepental and ancillary to the foregoing, pertaining to the business of power generation, transmission and distribution or such other business as considered appropriate by the directors of the Company from time to time.
- 7. To carry on all or any of the businesses of wholesalers, retailers, traders, importers, exporters, suppliers, distributors, designers, developers, manufacturer, installer, filters, testers, repairers, trainers, maintainers, contractors, constructors, operators, users, inspectors, re-conditioners, improvers, alterers, protectors, removers, hirers, replacers, importers and exporters of and dealers in, electrical appliances, systems, products and services used for energy conservation and generation, equipment, machinery, materials and installations, including but not limited to cables, wires, meters, tracks, rails, pipelines and any other plan, apparatus, equipment, systems and things incidental to the efficient generation, procurement, transformation, supply and distribution of electricity.
- 8. To construct, acquire and maintain roads, bridges, rail sidings, pipelines and storage facilities for water, petroleum products, natural gas, oil, coal and other substances, water desalination and treatment plants, and such other works as may be required for all or any of the above purposes.
- 9. To carry on the business of electrical engineers, electricians, engineers, consultants, agents, suppliers of services and manufacturers of electrical plant, machinery, and generally to install, acquire, execute, provide, operate and maintain all necessary plant, machinery, equipment, cables, wires, accumulators, lamps, exchanges, telephones, and apparatus and to provide any services related or incidental to the business of electricity generation, supply, transmission, distribution and trading of energy.

- 16. To pay for technical know-how, technical and engineering assistance and information and/or service rights or privileges acquired by the Company in a manner the Company deems appropriate, either by cash or through its shares.
- 17. To train personnel and workers both in Pakistan and abroad, to obtain technical proficiency in various specialties connected with the business of the Company.
- 18. To establish and support or aid in the establishment and support of associations, institutions, funds and conveniences calculated to benefit persons who are or have been directors of, or who have been employed by or who are serving or have served the Company or any other company which is a subsidiary or associate of the Company or the dependents of such persons and to grant pensions, gratuities, allowances, relief and payments in any other manner calculated to benefit the persons described herein.
- 19. To amalgamate, enter into partnership, or to make any arrangement for sharing profits, union of interests, co-operation, joint-venture, reciprocal concession or otherwise with any person, firm or company and to have foreign collaborations and to pay royalties/technical fees to collaborators subject to the applicable laws.
- 20. To purchase or otherwise acquire any patents, inventions, trademarks, licenses, concessions and the like conferring any exclusive or non-exclusive or limited right to use any invention which may seem capable of being used for any of the purposes of the Company or the acquisition of which may seem calculated directly or indirectly to benefit the Company, and to use, exercise, develop or grant licenses in respect of or otherwise turn to account, the property and rights so acquired.
- 21. To carry on any other trade or business whatever which, in the opinion of the directors of the Company, can be advantageously carried on independently or in connection with or ancillary to any of the above mentioned business or is calculated directly or indirectly to enhance the value of, or render profitable any of, the property or rights of the Company.
- 22. To purchase, take on lease, or in exchange, hire, apply for or otherwise acquire either solely or jointly and hold for any interest, any rights, privileges, lands, buildings, easements, machinery, plants, stock-in-trade and any movable and immovable property of any kind, necessary or convenient for the purposes of or in connection with the Company's business or any branch or department thereof and to use, exercise, develop, and grant licences in respect of or otherwise turn to account any property, rights and information so acquired, subject to any permission required under the law.
- 23. To establish, promote or assist in establishing or promoting, and subscribe to or become a member of any other company, association or club whose objects are similar or in part similar to the objects of this Company or the establishment or promotion of which may be beneficial to the Company as permissible under law.

- 10. To import, export, buy, sell, hire or deal in plant, machinery, equipment, cables, wires, accumulators, lamps, exchanges, telephones, fixtures and fittings and apparatus of every kind with special reference to plant, machinery, equipment or apparatus connected with the producing, storing, supplying, distribution, transmission, using, regulating or measuring the supply or facilitating the use of electricity or electrical currents or force.
- 11. To buy, sell, import, export, hire, manufacture, deal in and turn to account plant, machinery, implements, conveniences, provisions, articles and products capable of being used in connection with the operations of or required by workmen and other employer by the Company or incidentally or conveniently connected with any such business as aforesaid.
- 12. To conduct, promote and commission research of all kinds and research and development activities of all kinds, whether related to the generation, transmission, distribution and supply of electricity or other forms of energy or otherwise, and to exploit and turn to account the results of any such research or research and development carried out by or for the Company.
- 13. To establish laboratories and to employ and promote scientific research and invention, patronize such invention and enter into manufacture in collaboration with outside parties for transfer of technology from abroad and to promote transfer of technology from Pakistan abroad and to carryon business in all other allied fields permissible by law.
- 14. To enter into, make, and perform contracts and arrangements of every kind and description that may be conducive to the Company's object or objects and for any lawful purpose, with the government or authority (public, supreme, municipal or otherwise), and with any firm, person, corporation or company without any limit as to amount, and to obtain from such government, authority, firm, company or persons any rights, privileges, contracts, concessions, charters, subsidies, loans, indemnities, grants, contracts, rights, powers, concessions, privileges or immunities which the Company may think desirable to obtain and to carry out, exercise and comply with any such arrangements, rights, privileges and concessions.
- 15. To sell, lease, improve, manage, develop, mortgage, exchange, turn to account or otherwise deal with, dispose of absolutely, conditionally, or for any limited interest, and grant any leave or license in respect of all or any of the property, rights or privileges of the Company, to improve, manage, develop, grant rights or privileges in respect of, or otherwise deal with all or any part of the property and rights of the Company, and to distribute in specie as dividend or bonus any money, shares, debentures, or debenture stock that may be accepted as consideration for any such sale, lease, exchange or other disposition.

- 24. To open accounts with any bank or banks and to draw, make, accept, endorse, execute, issue, negotiate and discount cheques, promissory notes, bills of exchange, bills of lading, warrants, deposit notes, debentures, letters of credit and other negotiable instruments and securities.
- 25. To borrow or raise money by means of local and foreign currency loans, Islamic financing or other legal arrangements from local and foreign banks, or other financial and non-financial institutions, for such purpose or in such manner as the Company may think fit and in particular by issue of debentures, sukuks, or term finance certificates and to provide any type of security to the lenders or investors including by way of hypothecation, charge, lien, pledge, mortgage or assignment.
- 26. To sell or otherwise dispose of the whole or any part of the undertaking of the Company, either together or in portions for such consideration as the Company may think fit and in particular, for shares, debenture-stock or securities of any company purchasing the same.
- 27. To issue all or any part of the original or enhanced share capital of the Company at par or at a premium or discount subject to any permission required by law.
- 28. To pay all costs, charges, and expenses preliminary or incidental, incurred in the formation or about the promotion and establishment of the Company and to remunerate any person, firm or company for services rendered or to be rendered in or about the formation or promotion of the Company or the conduct of its business.
- 29. To apply for and obtain necessary consents, permissions and licenses from any Government, State, Local and other Authorities for enabling the Company to carry on any of its objects into effect as and when required by law.
- 30. To pay for any property, rights or benefits acquired by the Company either in cash or in shares with such rights, in respect of dividend or otherwise, as may be deemed fit by the Company or by any securities which the Company has power to issue or partly in one mode and partly in another and generally on such terms as the Company may approve.
- 31. To distribute any of the Company's property and assets among the members in specie or in any other manner in case of winding up of the Company.
- 32. To guarantee the performance of contracts and obligations of the Company or any other person.
- 33. To take out any insurances that the Company deems necessary or appropriate and to pay the premium thereof.
- 34. To constitute and regulate subsidiaries, separate branches or departments of the Company's business and to appropriate thereto respectively any of the assets of the

Company and any of the capital, issued or to be issued, of the Company and from time to time to vary the constitution or regulations of any such subsidiaries, branches or departments or any such appropriations and if thought fit to amalgamate all or any of the said subsidiaries, branches or departments.

- To procure the Company to be registered or recognized in any country or place outside Pakistan and to keep branch registers.
- 36. To institute and defend in any forum legal proceedings of every kind or description whatsoever, enter into arbitration agreements and refer disputes to arbitration, pay, satisfy or receive payments in respect thereof, or compound or compromise any claim, demand, action, suit or proceeding of any nature whatsoever made or brought by or against the Company.
- 37. To subscribe or guarantee money for any purpose which may be considered likely, directly or indirectly, to further the objects of the Company or for any national, charitable, benevolent, public, general or useful object or for any exhibition.
- 38. To draw, make, accept, discount, endorse and issue promissory notes, bills of exchange, bills of lading and other negotiable or transferrable securities and only in connection with the business of the Company, to advance, deposit with or lend money, securities or property to such governmental or other authority, person, firm or company and on such terms, with or without security, as the Company deems fit.
- 39. To do and perform all other acts as are incidental or conducive to the attainment of the above objects or any of them.
- 40. It is declared that notwithstanding anything contained in the foregoing object clauses of this Memorandum of Association, nothing contained therein shall be construed as empowering the Company to undertake or to indulge in the business of a banking company, forex, illegal brokerage, an investment company, a managing agency, an insurance business or a non-banking finance company, or in any unlawful business directly or indirectly, and the Company shall not launch multilevel marketing, pyramid and ponzi schemes.
- 41. Notwithstanding anything stated in any object clause, the Company shall obtain such other approval or licence from the competent authority as may be required under any law for the time being in force, to undertake a particular business.
- IV. The liability of the members is limited.
- V. The authorized share capital of the Company is Rs. 100,000,000 (Rupees One Hundred Million Only) divided into 10,000,000 (Ten Million) Ordinary shares of the nominal value of Rs. 10 (Ten) each with the rights, privileges and conditions attached thereto as are provided for the time being, with power to increase and reduce the capital of the Company and to divide the shares in the capital for the time being, into several classes.

"Register" means a Register of Members to be kept pursuant to Section 147 of the Ordinance.

"Registrar" means a Registrar, an Additional Registrar, a Joint Registrar a Deputy Registrar or an Assistant Registrar, responsible under the Ordinance for the registration of companies.

"SECP" means Securities and Exchange Commission of Pakistan.

"Special Resolution" means a special resolution of the Company as defined in Section 2(1)(36) of the Ordinance.

"Seal" means the common seal of the Company.

References to writing shall, unless the contrary intention appears, be construed as including reference to printing, lithography, photography & other modes of representing, transmitting or reproducing words in a legible & non-transitory form.

Words importing singular number only shall include the plural number and vice versa.

Save as aforesaid any words or expressions defined in the Ordinance shall if not inconsistent with the subject or context, bear the same meaning as in these Articles.

Any reference to statutory provision or enactment shall include any statutory modification or re-enactment thereof.

3. PRIVATE LIMITED COMPANY

The Company is a private limited company within the meaning of Clause (28) of Section 2(1) of the Ordinance.

- (1) No invitation shall be issued to the public to subscribe for any share of the Company.
- (2) The number of the members of the Company shall be limited to fifty, provided that for the purpose of this provision, where two or more persons hold one or more shares in the company jointly, they shall be treated as single member; and
- (3) The right to transfer shares of the Company is restricted in the manner and to the extent hereinafter appearing.

THE COMPANIES ORDINANCE, 1984

(COMPANY LIMITED BY SHARES)

ARTICLES OF ASSOCIATION

OF

DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

1. TABLE "A" NOT TO APPLY

The Regulations contained in the table marked 'A' of the First Schedule to the Companies Ordinance, 1984, shall not apply to the Company except in so far as the same are repeated or expressly made applicable in these Articles.

2. Interpretation

In these Articles (if not inconsistent with the subject or context or expressly provided to the contrary below) the following words and expressions shall have the following meanings:

"Board" means the Directors collectively or the Directors present at a duly convened meeting of Directors at which a quorum is present, as the context requires.

"Company" means DHA Energy Supply Company (Private) Limited.

"Directors" mean the directors or the alternate director for the time being of the Company, as the case maybe.

"month and year" means the calendar month and the calendar year respectively.

"Member" means the member of the Company as defined in Section 2(1) (21) of the Ordinance.

"Ordinance" means the Companies Ordinance, 1984 (XLVII of 1984).

"Ordinary Resolution" means a resolution passed at a general meeting when the votes cast (whether on a show of hands or on a poll, as the case may be) in favour of the resolution (including the casting vote, if any, of the Chairman) by members who, being entitled to vote in person or by proxy, do so vote, exceed the votes, if any, cast against the resolution by members entitled to vote and voting thereon.

MUHAM MAD RAFIQUE	MUHAMM AD YASIN KHAN	34101- 6241501- 5	PAKISTA NI	BUSINESS EXECUTIV E	HOUSE NO. SUH-443, STREET 5, ASKARI 5, MALIR CANTT, KARACHI		-H_,
						ONE MILLIO N (1,000,00	

Dated 24 February 2017

Witness to the above signatures:

Name: NIFT (Pvt.) Limited

Address: 5th Floor, AWT Plaza, I.I. Chundrigar Road

Karachi- 74200, Pakistan





We the several persons, whose names and addresses are subscribed, are desirous of being formed into a company, in pursuance of this Memorandum of Association and we respectively agree to take the number of shares in the capital of the Company set opposite to our names

Name and Surname (Present & Former) in full (in Block Letters)	Father's/Hu sband's Name in Full	CNIC/ Passport No.	Nationalit y with any former Nationalit y	Occupation	Address	Number of Shares taken by each Subscribe r	Signature
NAEEM AZHAR LONE	MUHAMM AD AZHAR LONE	35201- 9117920- 1	PAKISTA NI	BUSINESS EXECUTIV E	53/1-S, 7 TH COMMERCIA L STREET, PHASE 4, DHA, KARACHI	ONE (1)	
MUHAM MAD RAFIQUE	MUHAMM AD YASIN KHAN	34101- 6241501- 5	PAKISTA NI	BUSINESS EXECUTIV E	HOUSE NO. SUH-443, STREET 5, ASKARI 5, MALIR CANTT, KARACHI	ONE (I)	
SYED JAMAL ULLAH MACDI	SYED SANA ULLAH MACDI	42101- 1936245- 5	PAKISTA NI	BUSINESS EXECUTIV E	PLOT 6/B-3, D STREET, PHASE 5, DHA, KARACHI	ONE (1)	To the
DHA ENERGY AND SERVICE S (PRIVATE) LIMITED Through its authorized representative	N/A	N/A	PAKISTA NI	N/A	2/B, EAST STREET, PHASE-I, DHA, KARACHI, SINDH 75500	NINE HUNDR ED AND NINETY -NINE THOUS AND NINE HUNDR ED AND NINETY -SEVEN (999,997)	Silvings .

4. BUSINESS

The company is entitled to commence business from the date of its incorporation. The business of the company shall include all or any of the objects enumerated in the Memorandum of Association. The business of the company shall be carried out at such place or places anywhere in Pakistan or elsewhere as the Directors may deem proper or advisable from time to time.

PART II - CAPITAL AND SHARES

5. AUTHORISED SHARE CAPITAL

The authorized capital of the Company is Rs. 100,000,000 (Rupees One Hundred Million) divided into 10,000,000 (Ten Million) Ordinary shares of the nominal value of Rs. Ten (10), each set out in that Clause with power to increase the capital and to consolidate or sub-divide the shares, issue shares of different kinds or classes therein of higher or lower denominations and to vary, modify or abrogate any such rights or conditions in such a manner as may be authorized by the regulations of the Company and subject to applicable laws.

6. ALLOTMENT OF SHARES

- 6.1 The shares shall be under the control of the Board, who may subject to applicable law allot or dispose of the same to such persons, firms, cooperation on such terms and conditions and at any such times as the Board shall think fit. Shares may also be allotted in consideration other than cash.
- 6.2 Shares may be registered in the name of any limited company or other corporate body but not in the name of minor or a firm. Not more than four persons shall be registered as joint holders of any shares.
- 6.3 Subject to the provisions of the Ordinance, the Companies (Issue of Capital) Rules 1996 and these Articles, the Directors may allot and issue shares in the capital of the Company as payment or part payment of any property sold or transferred, land, machinery, goods supplied or any services rendered to the Company in the conduct of its business and any shares which may be so allotted may be issued as fully paid up shares and if so issued, shall be deemed to be fully paid up shares.
- 6.4 The share capital of the Company shall comprise of ordinary shares, and subject as aforesaid the Company may issue shares of a single class or of different classes, but where ordinary shares of more than one class are issued the rights as between the various classes of such shares shall be strictly proportionate to the paid up value of the shares as tegards voting, dividends and other benefits.

7. RESTRICTION ON ALLOTMENT

The Board shall as regard any allotments of shares duly comply with such of the provisions of Sections 68 to Section 73 of the Ordinance as may be applicable thereto.

8. COMMISSION AND BROKERAGE

Subject to Section 82 and 83 of the Ordinance, the Company may at any time pay a commission to any person for subscribing or agreeing to subscribe whether absolutely or conditionally for any shares in, or debentures or other securities of the Company or procuring or agreeing to procure subscriptions whether absolute or conditional for any shares or debentures or other securities of the Company, provided that the conditions and requirements set out in the Ordinance shall be observed and complied with. Such commission may be satisfied by the payment of cash or the allotment of fully paid shares, or the issuance of securities or by any combination thereof. The rate of commission and brokerage shall not exceed the rate, if any, from time to time fixed by the SECP.

9. SHARES AT DISCOUNT

The Company may under a Special Resolution and with the consent of SECP and upon otherwise, complying with Section 84 of the Ordinance, the Board may issue shares at a discount.

10. TRUST NOT RECOGNIZED

No notice of any Trust expressed, implied or constructive shall be entered on the Register. The Company shall not, save as ordered by a court of competent jurisdiction, or as by statute required, be bound to recognize any benami, equitable, contingent, future, or partial interest in any share, or any other right in respect of a share, except an absolute right thereto in the person or persons from time to time registered as the holder or holders thereof.

11. REGISTER

- 11.1 The Company shall keep a Register in accordance with Sections 147, 149 and 156 of the Ordinance.
- 11.2 The Register shall be prima facie evidence of any matters the Ordinance directs or authorizes to be inserted therein.

PART III - CERTIFICATES

12. CERTIFICATES



The certificates of title of shares shall be issued under the Seal and signed by at least two Directors. Every share certificate shall specify the number and class and the distinguishing number (if any) of the shares to which it relates. A Director's signature on such certificates may be affixed or printed by any mechanical or electronic method. No share certificate shall represent shares of more than one class.

13. MEMBERS RIGHTS TO CERTIFICATES

Every person whose name is entered as a Member in the Register of Members shall, unless the conditions of issue of the shares otherwise provide, be entered without payment to receive within sixty (60) days after the allotment or within forty five (45) days of the application for the registration of the transfer of any shares of the Company, a certificate under the Seal specifying the shares held by him/her and the amount paid up thereon. If any Member shall require additional certificates he/she shall pay for each such certificate, a sum not exceeding Rs.10/- or otherwise as the Board may determine, provided that in respect of any share held jointly by several persons the Company shall not be bound to issue more than one certificate, and delivery of the certificate for a shares to one of the several joint holders shall be sufficient delivery to all.

14. ISSUE OF NEW CERTIFICATES

- 14.1 Subject to the provisions of Section 75 of the Ordinance, if a share certificate is defaced, lost or destroyed, it may be renewed on payment of such fee (if any) not exceeding Rs.10/and on such terms (if any) as to evidence and indemnity and the payment of expenses incurred by the Company in investigating evidence, as the Board thinks fit.
- 14.2 Where some of the share comprised in a share certificate are transferred the old certificate shall be cancelled and a new certificate for the balance of such shares be issued without charge.
- 14.3 The shares are indivisible but more than one person may have a share in one share but shall be represented by one person towards the Company. The shares may not be represented by negotiable instruments.

PART IV - TRANSFER AND TRANSMISSION OF SHARES

15. TRANSFER OF SHARES

15.1 Every transfer of shares must be in writing in the form specified in Article 16.2 herein or in any other form that the Board may approve and must be left at the office accompanied by the certificate or, if no such certificate is in existence the letter of allotment of the shares to be transferred and such other evidence, if any, as the Board may require to prove the title of the intending transferor of his/her right to transfer the shares.

15.2	The shareholders and Directors of the Company have a right of priority in the event of one
	of the shareholders alienating some or all of his/her shares. But any transfer whether to the
	shareholders or to the Directors of the Company or to third parties must follow the
	provisions of the applicable law.

16. EXECUTION OF TRANSFER

Signature......
Full Address

- 16.1 The instrument of transfer of any share should be duly stamped and executed both by the transferor and the transferee and the transferor shall be deemed to remain the holder of such shares until the name of the transferee is entered in the Register of Members in respect thereof. Each signature of such transfer shall be duly attested by the signature of one witness who shall add his/her address and occupation.
- 16.2 Shares in the Company shall be transferred in the following form, or in any usual or common form which the Directors shall approve: I...... of...... In consideration of the sum of Rupees..... paid to me by..... of...... (hereinafter called "the transferee") do hereby transfer to the said transferee...... share(s) numbered..... to..... inclusive, in DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED to hold unto the said transferee, his/her executors, administrators and assigns, subject to the several conditions on which I held the same at the time of the execution hereof, and I, the said transferee, do hereby agree to take the said share(s) subject to the conditions aforesaid. As witness our hand this Day of Signature Transferor Signature Transferee Full Name Full Address Witness Fathers/Husband's name Nationality Occupation Signature Full Address

17. CASES IN WHICH THE DIRECTORS SHALL REFUSE TO REGISTER TRANSFER

The Directors may refuse to register any transfer of any fully paid shares if:

- (a) the transfer deed is for any reason defective or invalid, provided that the Company shall within thirty (30) days, from the date on which the instrument of transfer was lodged with it, notify the defect or invalidity to the transferee who shall after removal of such defect or invalidity be entitled to re-lodge the transfer deed with the Company; or
- (b) the transfer is in breach of the provisions of Article 16;

If the Company refuses to register the transfer of any share for the reason specified in Article 16, the Company shall within thirty (30) days after the date on which the instrument of transfer was lodged with it, send to the transferee notice of the refusal indicating the reason for such refusal.

18. NO TRANSFER TO AN INSOLVENT OR PERSON OF UNSOUND MIND

No transfer shall be made to an insolvent or person of unsound mind.

19. TRANSMISSION OF REGISTERED SHARES

The executors, administrators, heirs or nominees, appointed under Section 80 of the Ordinance as the case may be, of a deceased Member not being one of several joint holders shall be the only persons recognized by the Company having any title to the shares registered in the name of such Member. In case of death of any one or more of the joint holders of any shares the survivor or survivors shall be the only persons recognized by the Company as having any title to or interest in such share. Before recognizing any executor, or administrator the Board may request him/her to obtain a grant of Probate or Letters of Administration, Successions Certificates or other legal representation(s) as the case may be from a competent court provided nevertheless that where the Board in its absolute discretion thinks fit it shall be lawful for the Board to dispense with the production of Probate or Letters of Administrator or Succession Certificates or such other legal representation(s) upon such terms as to indemnity or otherwise as the Board in its absolute discretion may consider necessary.

20. RIGHT OF PERSONS ENTITLED TO SHARES UNDER ARTICLE 19

A person so becoming entitled under Article 19 shall subject to the right of the Board to retain such dividends or monies as hereinafter provided have the right to receive and give a discharge for any dividend or other monies payable or other advantages arising in respect of the shares but he/she shall have no right to attend or vote at meetings of the Company or save as aforesaid to any of the rights or privileges of a Member in respect of the shares unless and until he/she shall be registered as the holder thereof.

21. DIRECTOR MAY DECLINE TO REGISTER PERSONS ENTITLED BY TRANSMISSION

The Directors shall have the same right to refuse to register a person entitled by transmission to any shares or his/her nominee as if he/she were the transferee named in any ordinary transfer presented for registration.

22. CLOSURE OF REGISTER

The Company may on giving seven (7) days previous notice in the manner prescribed in the Ordinance, close the Register for any period not exceeding in the aggregate forty-five (45) days in each year but not exceeding thirty (30) days at any one time.

23. TRANSFER OF DEBENTURES

The provision relating to transfer of shares herein contained shall apply mutatis mutandis to transfer of debentures and other securities of the Company.

PART V - ALTERATION OF CAPITAL

24. POWER TO INCREASE CAPITAL

The Company may, from time to time, increase its share capital in accordance with the provisions of the Ordinance.

25. SHARES TO BE OFFERED TO EXISTING MEMBERS

- 25.1 All new shares shall be offered in the first instance to the Members in proportion as nearly as the circumstances admit to the existing shares held by each Member and such offer shall be made by notice specifying the number to which the Member is entitled and limiting a time within which the offer if not accepted will be deemed to be declined.
- 25.2 After expiration of the time for acceptance of an offer of new shares specified in paragraph 25.1 of this Article or on receipt of an intimation from the Member to whom such notice is given that he/she declines to accept the shares offered, the Board may, subject to the provisions of Section 86 of the Ordinance, dispose of the same in such manner as they think most beneficial to the Company.

26. RANKING OF NEW SHARES WITH THE ORIGINAL CAPITAL

The new shares shall be subject to the same provisions with reference to transfer, transmission, and otherwise as the shares in the original share capital.

27. REDUCTION OF SHARE CAPITAL

The Company may, by Special Resolution, reduce its share capital, in any manner subject to the provisions of the Ordinance.

28. CONSOLIDATION AND SUB-DIVISION

Subject to the provisions of Section 92 of the Ordinance, the Company may, by Ordinary Resolution:

- (a) Consolidate and divide the whole or any part of its share capital into shares of larger nominal value than its existing shares.
- (b) Sub-divide its existing shares or any of them into shares of smaller amount than is fixed by the Company's Memorandum of Association, subject nevertheless, to the provisions of clause (d) of sub-Section (1) of Section 92.
- (c) Cancel any shares which at the date of the passing of the Ordinary Resolution in that behalf have not been taken or agreed to be taken by any person.

PART VI - GENERAL MEETINGS

29. ANNUAL GENERAL MEETINGS

The Company shall hold in addition to any other general meeting, a general meeting as its annual general meeting, within eighteen months from the date of its incorporation and thereafter at least once in every calendar year within a period of four months following the close of its financial year and not more than fifteen months after the holding of its last preceding annual general meeting.

30. EXTRAORDINARY GENERAL MEETING

All general meetings of the Company other than the annual general meeting shall be called extraordinary general meetings ("EGM"). The Board may whenever it thinks fit convene an EGM and an EGM shall also be convened on such requisition, or, in default may be convened by such requisitions, as provided by Section 159 of the Ordinance. An EGM may be held in such places as the Board may determine.

32. NOTICE OF MEETINGS

All general meetings of the Company shall be called by not less than twenty-one clear days' notice in writing. The notice shall specify the place, the day and the hour of the meeting along with a statement of the business to be transacted at the general meeting and in case of special business, a the general nature of that business, shall be given in the manner provided by the Ordinance for the general meeting, to such persons as are, under the Ordinance or the regulations of the Company entitled to receive such notices from the Company; but the accidental omission to give notice to, or the non-receipt of notice by, any Member shall not invalidate the proceedings at any general meeting.

33. PROXIES

In every notice calling a meeting of the Company there shall appear with reasonable prominence a statement that a Member entitled to attend and vote is entitled to appoint a proxy to attend the vote in his/her stead and that a proxy need not be a Member.

34. ENTITLEMENT TO RECEIVE NOTICE AND ARRANGEMENT FOR MEETINGS

Subject to any restrictions contained in the Ordinance or in any of the Articles every Member shall be entitled to attend a general meeting in person or by proxy.

35. BUSINESS AT GENERAL MEETINGS

All business that is transacted at an EGM shall be deemed special, and also all that is transacted at an annual general meeting with the exception of declaring a dividend, the consideration of the accounts, balance sheet and the reports of the Directors and auditors, the election of Directors, the appointment of, and the fixing of the remuneration of the auditors.

36. QUORUM

No business shall be transacted at any general meeting unless quorum of Members is present at the time when the meeting proceeds to business, save as herein otherwise provided. At least 2 Members having not less than twenty-five percent (25%) of the voting power present in person or through proxy shall be the quorum at any general meeting of the Company.

37. EFFECT OF QUORUM NOT BEING PRESENT

If within half an hour from the time appointed for the meeting a quorum is not present, the meeting, if convened upon the requisition of Members, shall be dissolved, in any other case, it shall stand adjourned to the same day in the following week at the same time and place. The quorum for any such meeting shall remain as provided for in Article 36 above.

38. CHAIRMAN OF GENERAL MEETING

The Chairman, if any, elected under Article 58 shall preside as Chairman at every general meeting of the Company, but if there is no such Chairman or if at any general meeting the Chairman is not present within fifteen minutes after the time appointed for holding the meeting, or is unwilling to act as Chairman, the Members present whether in person or by the proxy shall choose one of their number to be Chairman of the meeting.

39. POWER TO ADJOURN GENERAL MEETING

- 39.1 The Chairman of a general meeting may at any time with the consent of the general meeting at which a quorum is present (and shall if so directed by the meeting) adjourn the meeting to another time or place. In addition the Chairman may at any time without the consent of the meeting adjourn the meeting to another time or indefinitely if it appears to the Chairman that:
 - (i) The number of persons wishing to attend cannot be conveniently accommodated in the place(s) appointed for the meeting; or
 - (ii) The unruly behavior of any person attending the meeting prevents or is likely to prevent the orderly conduct of the business of the meeting; or
 - (iii) An adjournment is otherwise necessary so that business of the meeting may be properly conducted.

No business shall be transacted at any adjourned meeting other than business left unfinished at the meeting from which the adjournment took place.

When a meeting is adjourned for an indefinite period, the date, time and place of the adjourned meeting shall be fixed by the Board. When a meeting is adjourned for 60 days or more, notice of the adjourned meeting shall be given as in the case of the original meeting. When a meeting is adjourned for more than 14 days but less than 60 days (or for 14 days or less if the date of the adjourned meeting is fixed by the Board), notice of the day, time and place of the adjourned meeting shall be given in the same manner as in the case of an original meeting and notice of the business to be transacted at such an adjourned meeting shall not be required. Where a meeting is adjourned for 14 days or less, and the date of the adjourned meeting is fixed by the Chairman of the meeting, it shall not be necessary to give any notice of the adjourned meeting or of the business to be transacted at an adjourned meeting whatever the reason for the adjournment.

40. MODE OF DECIDING QUESTIONS AT MEETINGS

At any general meeting, a resolution put to the vote of the meeting shall, unless a poll is demanded, be decided on a show of hands unless a poll is (before or on the declaration of the result of the show of hands) demanded. Unless a poll is so demanded, a declaration by the Chairman that a resolution has, on a show of hands, been carried, or carried unanimously, or by a particular majority, or lost, and an entry to that effect in the book of the proceedings of the Company shall be conclusive evidence of the fact, without proof of the number or proportion of the votes recorded in favour of, or against, that resolution.

41. POLL

- 41.1 A poll may be demanded only in accordance with the provisions of Section 167 of the Ordinance. If a poll is duly demanded, it shall be taken in accordance with the manner laid down in Section 168 of the Ordinance and the result of the poll shall be deemed to be the resolution of the meeting at which the poll was demanded.
- 41.2 A poll demanded on the election of the Chairman or on a question of adjournment shall be taken at once.

42. RIGHT OF DIRECTORS TO ATTEND GENERAL MEETINGS

Subject to Section 162 of the Ordinance every Director of the Company shall have the right to attend any general meeting of the Company and also to take part in the discussions thereat, but he/she shall not be entitled to cast a vote at a general meeting of the Company unless he/she is Member of the Company.

PART VII - VOTES OF MEMBERS

43. VOTES OF MEMBERS

Subject to any rights or restrictions attached to any shares and to the provisions of these Articles, on a show of hands every Member who is present in person shall have one vote and on a poll every Member present in person or by a representative or proxy shall have one vote for each share held by him/her. Provided that, in case of election of Directors, the provisions of Article 53 shall apply.

44. REPRESENTATION OF COMPANIES OR CORPORATIONS AT GENERAL MEETING

Any company or corporation which is a Member of the Company may by resolution of its Board of directors or in such manner as may be permitted or required by its constitution, authorize, in writing, any person or persons to act as its representative at any general meeting of the Company or any class of Members in respect of its entire holding or any part thereof. A person so authorized shall be entitled to exercise the same powers on behalf of the company or corporation he/she represents as that company or corporation could exercise if it were an individual Member of the Company. A representative so appointed shall not be deemed to be a proxy.

45. JOINT HOLDERS

In the case of joint holders of a share the vote of the senior who tenders a vote, whether in person or by proxy, shall be accepted to the exclusion of the votes of the other joint holders and for this purpose seniority shall be determined by the order in which the names stand in the Register in respect of the shares.

46. THE INSTRUMENT OF PROXY

The instrument appointing a proxy shall be in writing and be signed by the appointer or his/her attorney duly authorized in writing or if the appointer or his/her attorney duly authorized in writing or if the appointer is a body corporate be under its seal or be signed by an officer or any attorney duly authorized. A proxy need not be a Member. A proxy who is appointed for a specified meeting only shall be called a Special Proxy. A special proxy shall be valid only for the meeting to which it relates and it shall not be used for more than one meeting. An instrument appointing a proxy may be in the following form or a form near thereto as may be approved by the Directors:

DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

	ofof DHA	L
	ANY (PRIVATE) LIMITED hereby appoint	
of	as my proxy to vote for me and on my behalf at the	3
	al meeting of the Company to be held on the day at any adjournment thereof.	1
Dated:	Signed:	

47. INSTRUMENT APPOINTING A PROXY TO BE DEPOSITED AT THE OFFICE OF THE COMPANY

The instrument appointing a proxy and the power of attorney or other authority, if any under which it is signed or a notarized certified copy of that power or authority shall be deposited at the office of the Company not less than 48 hours before the time for holding the meeting or adjourned meeting at which the person named in the instrument proposed to vote and in default the instrument of proxy shall not be treated as valid. Delivery of an instrument appointing a proxy shall not preclude a Member from attending and voting in person at the meeting or poll concerned.

48. REVOCATION OF AUTHORITY

A vote given in accordance with the terms of an instrument appointing a proxy shall be valid notwithstanding the previous death or insanity of the Member or revocation of the proxy or of the authority under which the proxy was executed or the transfer of the shares

in respect of which the proxy is given unless intimation in writing of the death, insanity, revocation or transfer shall have been received by the Company at least forty eight (48) hours before the commencement of the meeting or adjourned meeting at which the proxy is used. Provided nevertheless that the Chairman of any meeting shall be entitled to require such evidence as he/she may in his/her discretion think fit of the due execution of an instrument of proxy and that the same has not been revoked.

49. EQUALITY OF VOTES

In case of an equality of votes, whether on a show of hands or on a poll, the Chairman of the meeting at which the show of hands takes place, or at which the poll is demanded, shall have and exercise a second or casting vote.

PART XIII - DIRECTORS

50. NUMBER OF DIRECTORS

- a) The following shall be the first Directors of the Company:-
- 1. Naeem Azhar Lone
- 2. Muhammad Rafique
- 3. Syed Jamal Ullah Macdi
- b) Save as provided in Section 187 of the Ordinance, no person shall be appointed as a Director unless he/she is a Member of the Company.

51. REMUNERATION OF DIRECTORS

The remuneration of the Directors shall from time to time be determined by the Company in general meeting subject to the provisions of the Ordinance.

52. DIRECTORS MAY CONTRACT WITH COMPANY

No Director or intending Director shall be disqualified by his/her office from entering into any contract, arrangement, transaction or proposal with the Company either acting in a professional capacity as a vendor, purchaser or otherwise, nor shall any contract, arrangement, transaction or proposal entered into by or on behalf of the Company in which any Director shall be so concerned or interested, be liable to account to the Company for any profit realized by any such contract, arrangement, transaction or proposal by reason of such Director holding that office or of the fiduciary relation thereby established provided that the nature of his/her interest has been disclosed by him/her at the time and in the manner specified in Section 214 of the Ordinance. Provided further that any such contract, arrangement, transaction or proposal as afore-mentioned shall not be entered into with the

Company by a Director or intending Director without the approval of the Board. In a Board meeting held for the purposes of granting such afore-said approval, the Director who is directly or indirectly interested or concerned in any way shall not take part in the discussion, nor vote in such meeting.

PART IX - APPOINTMENT, ELECTION AND REMOVAL OF DIRECTORS

53. ELECTION OF DIRECTORS

- 53.1 At the first annual general meeting of the Company, all the Directors shall stand retired from office, and directors shall be elected in their place in accordance with Section 178 for a term of three years.
- 53.2 A retiring Director shall be eligible for re-election.
- 53.3 The Directors shall comply with the provisions of Sections 174 to 178 and Sections 180 and 184 relating to the election of Directors and matters ancillary thereto.
- 53.4 Subject to the provisions of the Ordinance, the Company may from time to time increase or decrease the number of Directors.
- 53.5 Any casual vacancy occurring on the Board of Directors may be filled up by the Directors, but the person so appointed shall be subject to retirement at the same time as if he/she had become a Director on the day on which the Director in whose place he/she is chosen was last elected as Director.
- 53.6 The Company may remove a Director in accordance with the provisions of the Ordinance

54. VACATION OF OFFICE OF DIRECTOR

The office of a Director shall be vacated if:

- (a) He/she becomes ineligible to be appointed as a Director on any or more of the grounds enumerated in clause (a) to (h) of Section 187 of the Ordinance subject always to the proviso to such Section;
- (b) He/she absents himself/herself from three consecutive meetings of the Board or from all meetings of the Board for a continuous period of three months whichever is the longer without leave of absence from the Board and the Board resolve that his/her office be vacated;
- (c) He/she or any firm of which he/she is a partner or any private company of which he/she is a Director;

- (i) without the sanction of the Company in general meeting, accepts or holds any office of profit under the Company other than that of Chief Executive or a legal or technical advisor or a banker; or
- (ii) accepts a loan or guarantee from the Company in contravention of Section 195 of the Ordinance.
- (d) He/she fails to obtain the share qualification, if any necessary for his/her appointment, or ceases to hold share qualification necessary for his/her appointment.

55. ALTERNATE DIRECTORS

Subject to Section 192 of the Ordinance, a Director may with the approval of the Board, appoint any person to be his/her alternate Director during his/her absence, if not less than three months, from Pakistan and such appointment shall have effect and such appointee while he/ she holds office as an alternate director shall be entitled to notice of meetings of the Board and to attend and vote thereat accordingly and generally to exercise all the rights of such absent Director subject to any limitations in the instrument appointing him/her. Any appointment or removal under this Article shall be effected by notice in writing under the hand of the Director making the same.

PART X - PROCEEDINGS OF DIRECTORS

56. MEETING OF DIRECTORS

The Board may meet together for the dispatch of business, adjourn, and otherwise regulate their meetings, as they think fit. Such meetings may be held in such places in or outside Pakistan as the Board may determine. The Board may invite such persons as they may deem fit to attend the meetings of the Board of Directors as observers. Meetings of the Board may be held by teleconference, video conference or other electronic media facilities enabling Directors to participate in meetings without being in the same physical location.

57. POWER OF DIRECTOR TO SUMMON A MEETING; NOTICE OF MEETING

A meeting of the Board can be convened at any time on the requisition of a Director; provided that seven (7) clear days' notice of the meeting shall ordinarily be given to all Directors including those who were/are not for the time being resident in Pakistan. In case of urgent business a meeting of the Directors may be called at shorter notice provided that notice of such meeting is sent to all the Directors by facsimile at the facsimile numbers if any provided by the Directors or by any other expeditious means.





The Board may from time to time appoint one or more of their body to be the holder of the office of Chairman and determine the period for which he/she is to hold office. The Chairman so elected shall preside over meetings of the Board.

59. QUORUM

The quorum for a meeting of the Board shall be a minimum of two (2) Directors.

60. EFFECT OF QUORUM

A meeting of the Directors for the time being at which a quorum is present shall be competent to exercise all or any of the authorities, powers and discretions by or under Articles of the Company for the time being vested in or exercisable by the Directors generally.

61. RESOLUTION WITHOUT A MEETING OF THE DIRECTORS

A resolution in writing signed by all Directors for the time being in office shall be valid and effectual as if it had been passed at a meeting of the Board duly called and constituted. For this purpose, it shall be permissible to circulate the text of the proposed resolution duly signed by the Chief Executive and obtain signatures of all the other Directors thereon.

62. DIRECTOR MAY ACT NOTWITHSTANDING ANY VACANCY

The continuing Directors may act notwithstanding any vacancy in their body, but if their number falls below the minimum fixed by or under these Articles the Directors shall not, except for the purpose of filing vacancies on the Board or summoning a general meeting, act so long as the number is below the minimum.

PART XI - POWERS OF DIRECTORS

63. POWERS OF DIRECTORS

- 63.1 The business of the Company shall be managed by the Directors who may pay all expenses incurred in promoting and registering the Company and may exercise all such powers of the Company as are not by the Ordinance or these Articles required to be exercised by the Company in a general meeting, provided that no regulation made by the Company in general meeting shall invalidate any prior act of the Board which would have been valid if that regulation had not been made.
- 63.2 The Directors shall exercise all powers enumerated under Section 196 of the Ordinance, including issuance/execution of cheques, promissory notes, drafts, bills of exchange and other instruments whether negotiable or transferable or not, and all receipts for moneys paid to the Company, shall be signed, drawn, accepted, endorsed or otherwise executed as the case may be, in such manner as the Board shall from time to time by resolution determine.

- 63.3 The Board shall cause minutes to be made in books provided for the purpose:
 - (a) of all appointments of officers made by the Board;
 - (b) of the names of the Directors present at each meetings of the Directors and of any committee of the Board; and
 - (e) of all resolutions and proceedings at all meetings of the Company, and of the Directors, and of committees of the Board.

PART XII - CHIEF EXECUTIVE

64. APPOINTMENT OF CHIEF EXECUTIVE

The Company shall have a Chief Executive appointed in accordance with the provisions of Section 198 and 199 of the Ordinance.

65. CHIEF EXECUTIVE DEEMED TO BE A DIRECTOR

The Chief Executive shall if he/she is not already a Director elected under Article 53 be deemed to be one and be entitled to all the rights and privileges and subject to all the liabilities of that office. Subject as aforesaid the terms and conditions of appointment of the Chief Executive shall be determined by the Board.

66. REMOVAL OF CHIEF EXECUTIVE

The Board by resolution by not less than three-fourths of their total number for the time being or the Company by a Special Resolution may remove a Chief Executive before the expiration of his/her term of office.

PART XIII - THE SEAL

67. CUSTODY OF SEAL

- 67.1 The Board shall provide for the safe custody of the Seal and the Seal shall not be affixed to any instrument except by the authority of the Board or a committee authorized by the Board itself.
- 67.2 Every instrument to which the Seal shall be affixed shall be signed autographically in any of the following manners.
 - (i) By two Directors; or
 - By a person duly authorized by the Board either generally or in relation to specific instruments or instruments of specific descriptions.

Notwithstanding the provisions of paragraph 67.2 of the Articles the Board may resolve to dispense with autographic signatures of all or any person referred to in that paragraph in relation to specific instruments or instruments of specified descriptions, and in substitution therefore to authorize signatures to be affixed by some method or system of mechanical signature approved by the Board.

PART XIV - DIVIDENDS AND RESERVES

68. RESERVES

The Board may, before recommending any dividend, set aside out of the profits of the Company such sums as they think proper as a reserve or reserves which shall, at the discretion of the Board, be applicable for meeting contingencies or for equalizing dividends or for any other purpose to which the profits of the Company may be properly applied and pending such application may, at the like discretion, be employed in the business of the Company or be invested in such investments, as the Directors may, subject to the provisions of the Ordinance, think fit.

69. DECLARATION OF DIVIDENDS

The Company in general meeting may declare dividends, but no dividends shall exceed the amount recommended by the Board.

70. PAYMENT OF DIVIDENDS

No dividend shall be paid otherwise than out of the profits of the Company.

71. INTERIM DIVIDENDS

The Board may from time to time declare and pay to the Members such interim dividends as appear to the Board to be justified by the profits and position of the Company.

72. TIME FOR PAYMENT OF DIVIDEND

Any dividend declared pursuant to Article 69 shall be paid within the period laid down in Section 251 of the Ordinance.

73. DIVIDEND TO JOINT HOLDERS

Any one of several persons who are registered as the joint holders of any shares may give effectual receipt for any dividend payable in respect of such shares.

74. EFFECT OF TRANSFER

A transfer of shares shall not pass the right to any dividend declared thereon before the registration of the transfer.

75. RETENTION OF DIVIDEND

The Directors may retain the dividend payable upon shares in respect of which any person is under Article 20 entitled to become a Member or which any person under that Article is entitled to transfer until such person shall become a Member in respect thereof or shall duly transfer the same.

76. UNCLAIMED DIVIDENDS

Subject to the applicable provisions of the Ordinance, all dividends unclaimed after having been declared may be invested or otherwise made use of by the Board for the benefit of the Company until claimed.

77. DIVISION OF DIVIDEND

All dividends of the Company shall be apportioned and paid pro rata among the Members in proportion to the number of shares held by them respectively during any portion or portions of the period in respect of which the dividend is paid.

PART XV - MINUTES AND BOOKS

78. MINUTES TO BE RECORDED

The Company shall cause a fair and accurate summary of all proceedings of general meetings and meetings of its Board and committees along with the name of those participating in such meetings to be entered in properly maintained books.

79. BOOKS OF ACCOUNTS TO BE KEPT

The Board shall cause to be kept proper books of accounts with respect to all sums of money received and expenditures incurred all sales and purchases of goods by the Company and all assets and liabilities of the Company.

80. BOOKS OF ACCOUNTS TO BE KEPT AT OFFICE OF THE COMPANY

The books of accounts shall be kept at the office of the Company or at such other place in Pakistan as the Board may decide and when the Board so decides the Company shall within seven (7) days of the decision, file with the Registrar a notice in writing giving the full address of that other place.

81. ANNUAL ACCOUNTS AND BALANCE SHEET

The Directors shall as required by Section 233 and 236 of the Ordinance cause to be prepared and to be laid before the Company in general meeting such profit and loss

accounts and balance sheets duly audited and reports as referred to in the above referred Sections.

PART XVI - AUDIT

82. APPOINTMENT OF AUDITORS

Auditors shall be appointed and their duties regulated in accordance with Sections 252 to 255 of the Ordinance. The auditors shall be entitled to attend any general meeting of the Company and to receive all notices of and other communications relating to any general meeting which any Member is entitled to receive and be heard there at, on any part of the business of the meeting which concerns him/her as auditor.

PART XVII - NOTICES

83. PROCEDURE FOR GIVING NOTICES

A notice may be given by the Company to any Member either personally or by sending it by post to him/her at his/her registered address or if he/she has no registered address in Pakistan, to the address, if any within or outside Pakistan, supplied by him/her to the Company for the giving of notices to him/her.

84. NOTICE SENT BY POST

Where a notice is sent by post, service of the notice shall be deemed to be effected by properly addressing, preparing and posting a letter containing the notice and, unless the contrary is proved, to have been effected at the time at which the letter would have been delivered in the ordinary course of post.

85. NOTICE TO JOINT HOLDERS

A notice may be given by the Company to the joint holders of a share by giving the notice to the joint holder named first in the Register in respect of the shares.

86. NOTICE TO PERSON ENTITLED BY TRANSMISSION

A notice may be given by the Company to the person entitled to a share in consequence of the death or insolvency of a Member by sending it through the post in a prepaid letter addressed to them by name or by the title of representatives of the deceased or assignees of the insolvent of by any like description at the address if any in Pakistan, supplied for the purpose by the persons claiming to be so entitled or until such an address has been so supplied by giving the notice in any manner in which the same might have been given if the death or insolvency had not occurred.

PART XVIII - SECRECY

87. SECRECY

Every Director, manager, advisor, auditor, member of a committee of the Board, officer, servant, agent, accountant or other person employed in the business of the Company shall, if so required by the Board, before entering upon his/her duties, sign a declaration pledging himself/herself to observe a strict secrecy respecting all transactions of the Company with its customers and the state of accounts with individuals and in matters relating thereto, and shall by such declaration pledge himself/herself not to reveal any of the matters which may come to his/her knowledge in the discharge of his/her duties except when required to do so by the Directors or by any applicable law or by any general meeting or by any court of law and except so for as may be necessary in order to comply with any of the provisions of these Articles.

PART XIX - INDEMNITY

88. INDEMNITY

Every officer, Director or agent for the time being of the Company may be indemnified out of the assets of the Company against any liability incurred by him/her in defending any proceedings, whether civil or criminal arising out of his/her dealings in relation to the affairs of the Company whether the outcome of any such proceedings is in her/his favour or otherwise except those brought by the Company against him/her, or in connection with any application under Section 488 in which relief is granted to him/her by the Court.

PART XX - WINDING UP

89. DISTRIBUTION OF ASSETS

- 89.1 If the Company is wound up, the liquidator may, with the sanction of a Special Resolution of the Company and any other sanction required by the Ordinance, divide amongst the Members, in specie or in kind, the whole or any part of the assets of the Company, whether they consist of property of the same kind or not.
- 89.2 For the purpose aforesaid, the liquidator may set such value as he/she deems fair upon any property to be divided as aforesaid and may determine how such division shall be carried out as between the Members or different classes of Members.
- 89.3 The liquidator may, with the like sanction, vest the whole or any part of such assets in trustees upon such trusts-for the benefit of the contributories as the liquidator, with the like sanction, thinks fit, but so that no Member shall be compelled to accept any shares or other securities whereon there is any liability.

PART XXI - DISPUTE RESOLUTION

90. DISPUTE RESOLUTION

90.1 In the event that a dispute, claim or controversy arises between the Company, its management or its shareholders, or between the shareholders inter-se, or the directors inter-se, all steps shall be taken to settle the dispute and resolve the issue through mediation by an accredited mediator before taking recourse to formal dispute resolution such as arbitration or litigation. Notwithstanding the above, mediation shall not be a condition precedent for initiating proceedings before the court having jurisdiction to determine the dispute, claim or controversy.



We the several persons, whose names and addresses are subscribed, are desirous of being formed into a company, in pursuance of these Articles of Association and we respectively agree to take the number of shares in the capital of the Company set opposite to our names:

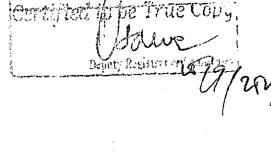
Name and Surname (Present & Former) in full (in Block Letters)	sband's	CNIC/ Passport No.	Nationalit y with any former Nationalit y	Occupation	Address	Number of Shares taken by each Subscribe r	Signature
NAEEM AZHAR LONE	MUHAMM AD AZHAR LONE	35201- 9117920- 1	PAKISTA NI	BUSINESS EXECUTIV E	53/1-S, 7 TH COMMERCIA L STREET, PHASE 4, DHA, KARACHI	ONE (1)	7
MUHAM MAD RAFIQUE	MUHAMM AD YASIN KHAN	34101- 6241501- 5	PAKISTA NI	BUSINESS EXECUTIV E	HOUSE NO. SUH-443, STREET 5, ASKARI 5, MALIR CANTT, KARACHI	ONE (1)	M
SYED JAMAL ULLAH MACDI	SYED SANA ULLAH MACDI	42101- 1936245- 5	PAKISTA NI	BUSINESS EXECUTIV E	PLOT 6/B-3, D STREET, PHASE 5, DHA, KARACHI	ONE (1)	
DHA ENERGY AND SERVICE S (PRIVATE) LIMITED	N/A	N/A	PAKISTA NI	N/A	2/B, EAST STREET, PHASE-I, DHA, KARACHI, SINDH 75500	NINE HUNDR ED AND NINETY -NINE THOUS AND NINE HUNDR	
Through its authorized representat ive						ED AND NINETY -SEVEN (999,997)	

MUHAM MAD RAFIQUE	MUHAMM AD YASIN KHAN	34101- 6241501- 5	PAKISTA NI	BUSINESS EXECUTIV E	HOUSE SUH-443, STREET ASKARI MALIR CANTT, KARACH	NO. 5, 5,		M-
							ONE MILLIO N (1,000,00	

Dated 24 February 2017

Witness to the above signatures:

Name: NIFT (Pvt.) Limited Address: 5th Floor, AWT Plaza, I.I. Chundrigar Road Karachi-74200, Pakistan





ANNEX - A-3

ANNUAL REPORTS

·解提升为 为实际。

DESCO's audited statements are appended herein below.

THE COMPANIES ACT, 2017 THE COMPANIES REGULATIONS, 2024

[Section 130(1), 130(2), 428(5) cond with Regulations 62 & 30]

ANNUAL RETURN OF A COMPANY

PART-1

(To be filled by All Companies)

Fee Payment Details	1.3.1 Challan No 24,577,26 1.3.2 Amount (6.7)
ree rayment Details	1.3.1 Challan No 24,577,76 1.3.2 Amount (6.7)
1.4 Particulars of-	Please tick the relevant hox
	eturn of a company other than inactive company
Part-III Annual R	eturn of Inactive Company
	PART-II
	(To be filled by an Active Company)
Annual General Med	ering held on 0 1 0 17 2 0 4 streams
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	nded during the year)
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AGM was held/conch Registered office ad Email Address	ddress 2/B, East Street, Phase-I, DHA Karachi, 75500 KARACHI Karachi South Sindh
AGM was held@onch Registered office ad Email Address Office Tel. No. Mobile No. (Prefer authorized officer;	ddress 2/B, East Street, Phase-I, DHA Karachi, 75500 KARACHI Karachi South Sindh dbakarachicorporate@gmail.com 021-111589589 ably WhatsApp cnabled number) of 03332212998 (Chief Executive: Director/ Company
AGM was held/conche Registered office ad Email Address Office Tel. No. Mobile No. (Prefer	ddress 2/B, East Street, Phase-I, DHA Karachi, 75500 KARACHI Karachi South Sindh dbakarachicorporate@gmail.com 021-111589589 ably WhatsApp cnabled number) of 03332212998 (Chief Executive: Director/ Company
AGM was held/conche Registered office ad Email Address Office Tel. No. Mobile No. (Prefer authorized officer;	ddress 2/B, East Street, Phase-I, DHA Karachi, 75500 KARACHI Karachi South Sindh (bukarachicorporate/d/genail.com) 021-111589589 ably WhatsApp enabled number) of 03332212998 (Chief Executive: Director/ Company nancial Officer)
AGM was held/conch Registered office ad Email Address Office Tel. No. Mobile No. (Prefer authorized officer;	ddress 2/B, East Street, Phase-I, DHA Karachi, 75500 KARACHI Karachi South Sindh (bukarachicorporate/d/genail.com) 021-111589589 ably WhatsApp enabled number) of 03332212998 (Chief Executive: Director/ Company nancial Officer)
AGM was held/conch Registered office ad Email Address Office Tel. No. Mobile No. (Prefer authorized officer;	ddress 2/B, East Street, Phase-I, DHA Karachi, 75500 KARACHI Karachi South Sindh (bukarachicorporate/d/genail.com) 021-111589589 ably WhatsApp enabled number) of 03332212998 (Chief Executive: Director/ Company nancial Officer)

		Mohalla Ganj Mughalpura, Lahoro	ang as a ma <mark>ng menunda</mark> , dan salah s			
	Asim Ali	House No. 5UH-82, Street No. 6 Sec.), Askan 5 Malir Cantt. Karachi	Pakistani	35202-6151822-3	20-42-2023	
3	Mehmood Ali Habri	Gulberg Green, Hruse No. 302, Street No. 17 Block A Islamabad	Pakistora	33464-3483131-4	45-04-2024	
4	Fatsal Imran Hussain Mulik	318 1, Kh e Shujiat Phase 8b DHA, Karachi	Pakistani	42201-0027582-0	(2014-10-01	:
5	Hasoch Hafeezuddeen	House No 10-B, 2 ³² Central Lane Phase II, DHA Kanadai South	Pakisteni	42301-4999692-9	2H-21-2022) } }

2.11 List of members/shareholders & debenture holders on the date up to which this Form is made

Ħ	Folio#	Name*	Address		No. of shares	Percentage of	CNIC No. for
					debentures	shareholding of	Pakistanis, or
	(li any)			:	lield	member having	NICOP No. for
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	İ	Services (Pvt) Ltd	Phase-I, DHA, Karachi			İ	
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3.4 Confirmation about inactive status of Company It is hereby stated and confirmed that the Company has

- (i) not carried out any operation since gram of status as an inactive company?
- (ii) no substantial assets or Accounting transactions;

Declaration:

- 3.5 I do hereby solemnly and sincerely declare that the information provided in the form and the enclosures is:
 - (i) true and correct to the best of my knowledge, in consonance with the record as maintained by the company and nothing has been concealed; and
 - (ii) hereby reported after complying with and halfilling all requirements under the relevant provisions of law, rules, regulations, directives, circulars and notifications whichever is applicable.

3.6	Name of Authorized Officer wi designation/Authorized Intermediary appointed)	Hereal Hogernoldsen Policetor
3.7	Signatures	Haml udden
3.8	Registration No of Authorized Intermedia	en en en en en en en en en en en en en e
3.9	Date	Day Month Year

INSTRUCTIONS FOR FILLING THIS FORM

- I his form shall be made up to the date of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last AGM of the Company or the last dute of last again and last again and last again and last again again and last again
- 2. If shares are of different classes the columns should be subdivided, so that the number of each class held, is shown separately against S. No. 2.7 and 2.8
- 3. If space provided is insufficient, the required information should be listed in a should also be signed.
- 4 This form is to be filed within 30 days of the date indicated in Sr. No. 2.1 or seaso may be). If the form is filed after 30 days, additional fee as per section 468 sign applicable.

THE COMPANIES ACT, 2017 THE COMPANIES REGULATIONS, 2024

[Section 14(1)(c),167 & 197 and Regulations 50,54 & 30]

PARTICULARS OF DIRECTORS AND OFFICERS, INCLUDING THE CHEIF EXECUTIVE, SECRETARY, CHIEF FINANCIAL OFFICER, AUDITORS, LEGAL ADVISER AND INCASE OF SINGLE MEMBER COMPANY, NOMINEE OF SOLE MEMBER OR OF ANY CHANGE THEREIN

PARTI

1.1. CUIN	l (Registratio	on Number)		0	1 0 {	3 0	0	
1.2. Name	e of the Con	pany	[DF	IA ENERGY	SUPPLY C	OMPANY (PRIVATE) I	IMITED
1.3 Fee Pa	yment Detai	lls 1.3.1 C	ihallan No		1.3	3.2 Amount	(Rs.)	
2. Partice	ılars*			PART-II				
Present Name in Full	NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner	Usual residential address	Designatio n	Nationality	Bussiness Occupatio n n*****(if any)	Date of present appointme nt or change	Mode of appointme nt / change /any other Remarks**	Nature of directorshi p (nominee other)
(a)	(b)	(c)	(d)	(e)	(5)	(g)	(h)	(i)
2.1 New	appointme	nt/election						
Usman Rafique	42501880 83027	House No. 21/2, Street No 45, Mohalla Sunnat Nagar	Director	Pakistan	Service	24-07- 2024 2870 ji ka	Appointed	Nominated
	<u> </u>	<u> </u>	<u> </u>	1	J		Coputy Registrar	P.Coly.ex

provisions of law, rules, regulations, directives, circulars and notifications whichever is applicable.

4.2.	Name of Authorized Officer with
	designation/Authorized Intermediary (if
	appointed)

	Muhammad Zubair	Secretary
į	Hakilm Khan	

4.3. Signatures

This is an electronically generated document and doesnt require a physical signature

4.4. Registration No of Authorized Intermediary, if applicable

	
Month	year

4.5. Date

v	***************************************	,			
0 9	0 8	2 0 2 4			

Enclosure

- Consent of each Director/Chief Executive upon their appointment/-reappointment/election on the pescribed appendix
- Copy of nomination letter from the appointing authority in case the person is nominated under any of the provisors of the Act.

Day

- 3. Copy of NOC/approval from concerned department (Ministries or Regulatory Authorities or SECP) is required for companies with licensing activities etc.
- 4. Consent of auditor, in case of appointment re-appointment of auditor
- 5. Copy of resignation letter (in case of resignation of a director or chief executive), duly signed by resigning director or chief executive, verified through an affidavit on stamp paper duly signed by the person who has signed this Form and attested by an oath commissioner and witnessed, be attached.
- If the person appointed is a foreigner, please provide 9 sets of Bio-Data & valid Passport for onward submission to Ministry of Interior (MOI) for clearance along with undertaking in original
- Sufficient evidence in case of removal/ death/disqualification of Director/ Chief Executive may be attached.
- 8. Any other documents, as required by the registrar.
- Original challan or other evidence of payment of fee specified in Seventh Schedule of the Act (not applicable in case of online filing)

Appendix to Form-9

THE COMPANIES ACT, 2017 THE COMPANIES REGULATIONS, 2024

[Section 167]

(Applicable in case of appointment or election of director(s) or Chief Executive)

CONSENT TO ACT AS DIRECTOR / CHIEF EXECUTIVE

THE COMPANIES ACT, 2017 THE COMPANIES REGULATIONS, 2024

(Section 14(1)(c), 167 & 197 and Regulations 50, 54 & 30)

PARTICULARS OF DIRECTORS AND OFFICERS, INCLUDING THE CHIEF EXECUTIVE, SECRETARY, CHIEF FINANCIAL OFFICER, AUDITORS, LEGAL ADVISER AND IN CASE OF SINGLE MEMBER COMPANY, NOMINEE OF SOLE MEMBER OR OF ANY CHANGE THEREIN

PART-I

(Please complete or hold capital letters)
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Enclosures:

- 1. Consent of each Director / Chief Executive upon their appointment reappointment/election on the prescribed appendix
- Copy of nomination letter from the appointing authority in case the person is nominated under any of the provisions of the Act
- Copy of NOC/approval from concerned department (Ministries or Regulatory Authorities or SECP) is required for companies with licensing activities etc.
- 4. Consent of auditor, in case of appointment/re-appointment of auditor
- Copy of resignation letter (in case of resignation of a director or chief executive), duly signed by resigning director or chief executive, verified through an affidavit on stamp paper duly signed by the person who has signed this Form and attested by an oath commissioner and witnessed, be attached.
- 6. If the person appointed is a foreigner, please provide 9 sets of Bio-Data & valid Passport for onward submission to Ministry of Interior (MOI) for clearance along with undertaking in original.
- Sufficient evidence in case of removal/ death / disqualification of Director/ Chieffixecutive may be attached.
- 8. Any other documents, as required by the registrar.
- Original challan or other evidence of payment of fee specified in Seventh Schedule of the Act (not applicable in case of online filing)



ANNEX - A-4

LAST ANNUAL RETURN UNDER SECTION 130 OF THE COMPANIES ACT

DESCO's last annual return is appended herein below.

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#### Section-8

#### 2.18 List of Directors on the date Annual return is made

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	Rai Asim Vustela	Aperiment No 1602 Black C Creek Vistos Ph VIII DriA Kerach	Par Nan	3120175432161	18/09/2021	
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#### Item No. 4

### The Authorized, Issued, Subscribed and Paid-up Share Capital of the Applicant.



# DHA Energy Supply Company (Pvt.) Ltd 2/B East Street, Phase-I, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

#### SHARE CAPITAL

DHA Energy Supply Company (Pvt) Ltd has the following Authorized & Paid-up share capital;

	Authorized Capital			Issued, Subscribed & Paid-Up Capital		
Sr	Number of Shares	Rs per Share	Total (PKR)	Number of Shares	Rs per Share	Total (PKR)
1	10,000,000	10/-	100,000,000	1,000,000	10/-	10,000,000

Bambuddun HASEEB HAFEEZUDDEEN DIRECTOR



# DHA Eriergy Supply Company (Pvt.) Ltd 2/B East Street, Phase-1, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

#### LIST OF SHAREHOLDERS

DHA Energy Supply Company (Pvt) Ltd has the following shareholding pattern;

Sr	Name of Shareholder	Authorized Representative	Number of Shares Held	Percentage of Holding
1.	DHA Energy & Services	Brig Sohail Imtiaz	999,999	99.99
2.	Brig Asim Ali (Retd)		1	0.01

HASEEBJIAFEEZUDDEEN DIRECTOR

Washed dun



# DHA Energy & Services (Pvt) Ltd 2/B East Street, Phase-I, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

#### SHARE CAPITAL

DHA Energy & Services (Pvt) Ltd has the following Authorized & Paid-up share capital;

C-		Authorized Ca	apital	Issued, Subscribed & Paid-Up Capital		
Sr	Number of Shares	Rs per Share	Total (PKR)	Number of Shares	Rs per Share	Total (PKR)
1	10,000,000	10/-	100,000,000	4,000,000	10/-	40,000,000

HASEEB UAFEEZUDDEEN DIRECTOR

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## DHA Energy & Services (Pvt) Ltd

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#### LIST OF SHARFHOLDERS

DHA Energy & Services (Pv.) Ltd has the following shareholding nature.

	Name of Shareholder	Authorized	Number of	Percentage of
; -	Kinagan m <del>tomatana gapanaganga</del>	Representative	Shares Held	Political
	DUA Karachi	Hing Schail Imitiaz	000 600	99,99
1.2.	Brig Asım Ali (Reid)	•	•	10,0

Bank ud dem HASEERHALEEZUDDEEN DIRECTOR

## POWER OFF-TAKE

### ANNEX - B

## **LUCKY CEMENT'S COMMITMENT TO SELL POWER**

Lucky Cement's letter dated 10 September 2024 is appended herein below.



Ref # LCL/KE/PG/240910

Date: 10th September 2024

Brig. Sohail Imtiaz
Chief Executive Officer
DHA Energy Supply Company (Pvt) Ltd
DHA City, M-9 Motorway
Karachi.

Dear Sir,

SUBJECT:

BI-LATERAL ARRANGEMENT FOR POWER SUPPLY - LUCKY CEMENT LIMITED AND DHA ENERGY SUPPLY COMPANY (Pvt) Ltd ("DESCO")

With reference to your letter dated [August 27, 2024], Lucky Cement Limited ("LCL") is hereby informing you of its consent to enter into a Power Acquisition Contract with DHA Energy Supply Company (Private) Limited ("DESCO") for supply of power to DHA City of up to 6.0MW, subject to all regulatory approvals.

Best regards,

Syed Hassan Mazhar

**General Manager-Power Generation** 

**Lucky Cement Limited-KP** 

C.C: Executive Director - Lucky Cement Limited

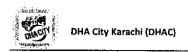
Mr. Faisal Jehangir, Advisor ADHA, DHA City Karachi, Karachi

# IV. FINANCIAL AND TECHNICAL CAPABILITIES

# ANNEX — C-1

# **CASH BALANCES HELD IN RESERVE ALONG WITH THE BANK CERTIFICATES**

Duly verified bank statement of DESCO, which shows the cash balance held by the company, is provided herein below.

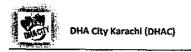


# Item No. 6

# Evidence of Cash Balances Held In Reserve By The Applicant, Along With Bank Certificates;

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# SILKBANK >

### CUSTOMERNAME

Datte Sep 4 2024

To: DHA ENERGY SUPPLY CO PVT LTD

2 8 EAST STREET PHASE I DHA ĶHI

Subjecti:

**Account Balance Confirmation** 

Dear Valued Customer

Thank you from being a Silkbank CustomerRefrerence your requestive hereby certify that your frollowing accountt is being mainttained witth Silkbank

> Accounti Titile Custiomer Name

DHA ENERGY SUPPLY CO PVT LTD DHA ENERGY SUPPLY CO PV

Account! Number Branch Name: Accounti Type

2007782977 26th Stt DHA-Phase V SUPER PROFIT (RES)

Currency:

PKR

The balance in your accountt as on Value Datteun 27 2023 is presentted hereunder

Accounti Balance

15,505,303.48(Fifteen Million Five Hundred Five Thousand Three

Hundred Three And 48 / 100 only)

We ttruly value your relationship and look frorward to serve you even better

Yes We Can

Silkbank Umitted

- 1. This is a Systiem generatied letter and does not require any signature or sticmp
- 2. This letter is issued on your specific requesti and does not imply any obligation, committiment or guaranties on tibe partitine Bank or any of itis employe(s).

Silkbank Limited STANDORN LITTERED
26th Street Branch:
Plol No. 23-C, Street-37,
Tauheed Commercial Area, Phase-V,
DHA, Karachi-Polustan
PABX: (021) 35871379, 35871378
Fax: (021) 35871540 Website: www.sikbank.com.pk

"Say No To Corruption"

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27 August 2024 14:20:40

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)1 CEP 22	PROFIT PAYMEN T		7007782977-2072 0831	31 AUG 22		160,956 90	14,199,013 60
15 GEP 22	Tes Dolet		2007/82977-2022 0831	31 AUG 22	24,143.54		14,174,870 08
19 EEP 72	Cosh Withdrawal		11777521P19W	02 SEP 27	50.000 00		14,124,870.08
	Cheque : 1/41269						
	Branch : PK00100 87						
H OCT 22	Profit Paymen T		2007/829/7-2022	30 SEP 22		156,875.95	14,281,748.01
01 OC1 22	Tex Data		2007702077-2072 0930	30 SEP 72	23,531.39		14,258,214 62
0 OCT 22	Inward Clearing De	•	FT222998289H4RQ	25 OCT 22	17,500 00		14,240,714.62
	17412695						
10 OCT 22	Inward Cleaning De tel	•	F 17275/00P3/0LURO	26 OCT 22	31,380 00		14,209,334-62
	17612094						
11 HOV 22	PROFET PAYMEN T		2007782977-2022 1031	31 OCT 22		163,372,70	14,372,707.32
11 HOV 22	Ter Dobs		7007762977-2022 1031	31 007 22	24,505 91		14,348,201,41
1 DEC 22	Profit Paywen T		2001782977-2022 1130	30 HOY 22		159,206 07	14,507,407.48
1 DEC 22	Tex Debit		2007/82977-2022 1130	30 HOV 33	23,580.91		14,463,526.57
11 144 23	profit paylien T		2007782977-2022 1231	31 OEC 53		178,365 62	14,651,892,19
11 JAN 23	Tax Date		2007782977-2022 1731	31 DEC 22	26,754.84		14,635,137.35
1 F E B 21	PHOFIT PAYMEN T		20077e2977-2023 0131	31 JAN 23		180,232.72	14,815,370.07
1 FEØ 23	Tax Date		7007782977-7023 0131	31 JAN 23	27,034.91		14,788,335.16
1 WAR 23	PHOFIT PAYIMEN		2007782977-2023 0228	20 FEB 23		175.839.38	14,984,174,54
נג זעש ו	Tas Oobs		2007182977-2023 0228	70 FEQ 23	26,375.91		14.937,798.63
1 APR 23	Profit Paymen T		20077#2977-2023 0331	CS RAM 16		196,646 91	15,134,445,54
H APPEZI	Tar Debr		20077&2877-2023 0331	31 MAR 23	29,497.04		15,107,948.50
H #/AY 23	PROFIT PAYMEN T		2007762977-2072 0430	79 APR 23		229,677 93	15,334,628,48
1 MAY 23	Tex Dote		2007762977-2023 0430	CS RGA 85	34,451.70		15,300,174.78
1 WAY 23	Account Transfer		F 123131755CK	11 MAY 23	250,000.00		15,050,174.78
	Branch : PK00190 87						
t JUNE 27	PHOFIT PAYMEN T		2007762977-2023 0531	31 MAY 23		250,172.06	15,300,346.84
1 JUN 27	Ter Orde		2007/82977-2073 0531	31 MAY 23	37,573 61		15,762,825,00
מי ווטע ז	Cash Dopout			27 JUH 23		34,490 60	15,297,311.03
1 JUL 23	PROFIT PAYMEN		200/18/9/7-2023	27 JUPA 23		244,697.00	15,542,008 03
1.A/L 23	Tax Debit		2007787977-2023	27 JUN 23	36,704.55		15,503,303,49
		TOTAL DEBIT / G			685 002:49	2,275,306.47	

This is a complete generated exercise beautiful action, dry aboration and does not require any reprebate

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STATEMENT OF ACCOUNT

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# ANNEX - C-2

### **DETAILS OF ANY CHARGES OR ENCUMBRANCES**

As of the date of this SL Petition, there are no charges or encumbrances on the assets of DESCO, as evidenced in its Search Report appended herein below.

### Item No. 7

# Details of Charges Or Encumbrances Attached To The Applicant's Assets, If Any



### SEARCH REPORT

FROM THE COMPANY'S RECORDS AT SECURITIES & EXCHANGE COMMISSION OF PAKE TAN SEARCH CONDUCTEO ON CHARGES FROM 22-02-1985 TO 27TH NOVEMBER, 2023 FOR COMPANY.

NAME OF COMPANY	DHA ENERGY & SE	DHA ENERGY & SERVICES (PV I) LIMITED.					
REGISTERED OFFICE	3/8. EAST STREET, PHA	J-B. EAST STREET, PHASE-L DHA, KARACHI					
NATURE OF BUSINESS	POWER GENERATION - ALLIED 10 OF R)						
INCORPORATION DATE	31-01-2017	REGISTRATION NUMBER 0165363					
LAST FORM-A MADE UPTO	; ;5-11-7922	DATE OF LATEST PORSI-29 21-01-21					
DETAILS OF CAPITAL	TYPE OF SHARES	NO. OF SHARES	PAR VALUE	AMOUNT			
AUTHORIZED CAPITAL	ORDINARY	245,000,000	200	800,690,c00			
PAID OF CAPITAS	ORDINARY	4,1830,000	1.0	41000,0000			

CHIEF EXECUTIVE	COMPANY SECRETARY	AUDITORS	LEGAL ADVISER
RALASIM MUSTAFA	MOHAMMADI ZUBAR	KAHMAN SARFARAZ KAHIM ROBAL KAFIQ	HUMA FAHAD

DIRECTORS	CNIC NOS.	APPOINTED	ADDRESS
Faisai Imun Hussuin Malik	42201-0527587-5	16/56/2023	318/1, Khagabao w Shajoni, Plusse-Vill-B, DHA, Kameht.
Hasseb Plateczinklin	42764+09996//2-9	28-11/2022	10-13 2 th Cerry of Lane, Phase-II DICA, Karudis.
Rai Asim Musiolii	32201-7545748-1	163/0/2921	Apartment No. 1602 Block-C Crock Vigtas, Prince-VIII PHAs, Karachi
Hafeezatlah Khan	17201-9263417-9	16/99/2021	House No. 125, America Colony, Amount
Aurangzan Anjum	\$51024967515245	16/09/2021	27B East Street Phase-t DHA, Karschi.

### CONTENTS OF SEPORT:

- tage wise summing of outstanding classes (85L charge)
- · Seconty was samularly of estimating charges (NR), charges
- Date wine vacuumry of charges (Nit, charge)

The preceding notice record data is information purposes unity and is not the official record

The public recent nems reported may have been paul, terrameted, vacated as released prior to today's date

tcil@live.com

+92 213 6681970 +92 333 0600692

# ANNEX - C-3

# **LATEST AUDITED FINANCIAL STATEMENTS**

The audited financial statements of DESCO are appended herein below.

### Item No. 8

# **Latest Audited Financial Statements of The Applicant**

AUDITED FINANCIAL STATEMENTS OF DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

> FOR THE YEAR ENDED JUNE 30, 2023



### Rahman Sarfaraz Rahim Iqbal Rafiq

CHARTERED ACCOUNTANTS

Plot No. 180, Block-A. S.M.C.H.S. Kerachi-74400, PAKISTAN. Tel. No. :(021) 34549345-7 E-Mail: :info@rsrir.com Website: www.rsrir.com Other Offices at Lahore - Rawalpindi / Islamabad

### INDEPENDENT AUDITORS' REPORT

To the members of DHA Energy Supply Company (Private) Limited

REPORT ON THE AUDIT OF THE FINANCIAL STATEMENTS

### Opinion

We have audited the annexed financial statements of M/s. DHA Energy Supply Company (Private) Limited ('the Company'), which comprise the statement of financial position as at June 30, 2023, and the statement of profit or loss, the statement of comprehensive income, the statement of changes in equity, the statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies and other explanatory information ('the financial statements'), and we state that we have obtained all the information and explanations which, to the best of our knowledge and belief, were necessary for the purposes of the audit.

In our opinion and to the best of our information and according to the explanations given to us, the statement of financial position, statement of profit or loss, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows together with the notes forming part thereof conform with the accounting and reporting standards as applicable in Pakistan and give the information required by the Companies Act, 2017 (XIX of 2017), in the manner so required and, respectively, give a true and fair view of the state of the Company's affairs as at June 30, 2023 and of the profit, total comprehensive income, the changes in equity and its cash flows for the year then ended.

### Basis for Opinion

We conducted our audit in accordance with International Standards on Auditing (ISAs) as applicable in Pakistan. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the International Ethics Standards Board for Accountants' Code of Ethics for Professional Accountants as adopted by the Institute of Chartered Accountants of Pakistan ('the Code') and we have fulfilled our other ethical responsibilities in accordance with the Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### Emphasis of matter

We draw attention to note 1.2 to the financial statements, which describes uncertainty about the grant of distribution license to the Company. Our opinion is not modified in respect of this matter.

### Responsibilities of Management and Board of Directors for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the accounting and reporting standards as applicable in Pakistan and the requirements of Companies Act, 2017 (XIX of 2017) and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Cont'd ... P/2

Russell Bedford International A global activities of independent accountancy firms business consultants and specialist legal advisors.

applicant



### Rahman Sarfaraz Rahim Ighal Rafig

CHARTERED ACCOUNTANTS

Por No. 120, Glassica S.M.C.H.S. Koroch-T44UC, PARISTAN Tel. No.: (021) 34549345-7 E-Mail: intographicom Vindallin; www.restr.com Office Offices at Lahare - Rawelpinoi / Islamehad

-12:-

### Responsibilities of Management and Board of Directors for the Financial Statements (continued)

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going conecta, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to dease operations, or has no realistic alternative but to do so.

Board of Directors are responsible for overseeing the Company's financial reporting process.

### Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material infestatement, whether due to fraud or error, and to issue an auditor's repret that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an sudit conducted in accordance with ISAs as applicable in Pakistan will always detect a material missistement when it exists. Misstatements can arise from fraud or error and are considered insterial if. individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

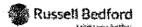
As part of an audit in accordance with ISAs as applicable in Pakistan, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

- identify and assess the risks of material misstatement of the financial statements, whether due to thand or error, design and perform audit processures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a moterial misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, incomional omissions, misrepresentations, or the override of internal control
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstatees, but not for the purpose of expressing an opinion on the effectiveness of the Company's insernal control.
- fivaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going contern basis of accounting and, based on the sadit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant coubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evoluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the Board of Directors regarding, among other matters, the planned scope and timing of the audit and significant matit findings, ticluding any significant deficiencies in internal control that we identify during our audit.

Com'd., P/3

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### Russell Bedford Rahman Sarfaraz Rahim Iqbal Rafiq

CHARTERED ACCOUNTANTS

Profession Teol Production, St. and The S. School Profession, Profession Teol Res. 1982(1) Section 18-15. Bender Landsgreiche Leien Wedner Landsgreich Leien Wedner Landsgreich Leien Corne Catholic und Landschaft Formatten in Leien Bender Landschaft Formatten in Leien Bender Landschaft Leien Leien Leien Bender Landschaft Leien Leien Leien Leien Bender Landschaft Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leien Leie

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### REPORT ON OTHER LEGAL AND REGULATORY REQUIREMENTS

Based on our madit, we further report that in our opinion:

- proper books of account have been kept by the Company as required by the Companies Act, 2017 (XIX of 2017);
- b) the statement of financial position, the statement of profit or loss, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows ingether with the notes thereon have been drawn up in conformity with the Companies Act, 2017 (XIX of 2017) and are in agreement with the books of account and returns;
- investments made, expenditure incurred and guarantees extended during the year were for the purpose of the Company's justicess; and
- d) up Zakat was deductible at source under the Zakat and Uebr Ordinance, 1980 (XVIII of 1980).

The engagement partner on the sadd resulting in this independent sudder's report is Mr. Muhammad Wassenn.

RAHMAN SARFARAZ RAHIM IQBAL RAFIQ Chartered Accountants

Karachi

Onte:

May 31, 2024

UDIN:

AR202310213mer#waxe2

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ight.				
464	DHA Energy Supply Company (Pr	rivate) Limited	•	
	Statement of Financial Position			
\$ <del>115</del>	An ar June 30, 2023			
÷ -	Company and and and and another statements		2023	2022
	ASSETS	Note		BEES
<b>教</b> 等		1004	2149	
	Current assets			
	Receivable from holding company	5	400,000	150,000
<del>ਅਰ</del>	Taxation - art	•	3,967,812	4,077,981
	Bank balances	б	17,652,189	15,801,415
<b>2)34</b>			* 1 t10000000000000000000000000000000000	Charles and Charles
	Total assets		22,620,001	20,029,396
****	EQUITY AND LIABILITIES			
***	Share capital and reserves			
988s	Amborized capital	7 ===	100,000,000	100,000,000
***	lessed, subscribed and paid up capital	7	10,000,000	10,000,000
	Revenue reserve	<b>(</b>	•	
柳	Unupprosprinted profits	a a spanner	3,815,406	3,846,381
970÷	Current liabilities		15,815,406	13,846,381
	Accreed liabilities	з Г	134,320	112,740
	Payabla to ultimate parent	<b>9</b>	6,070,275	6,070,275
	•	··· · · · · · · · · · · · · · · · · ·	6,204,595	6,183,015
P#S	Contingencies and commitments	10	₩.	
	Total equity and liabilities	6/21/ 6/21/	22,020,001	20,029,396
Diffs.	The annuned notes from 1 to 18 form an integral pa		ments.	
	Row Cimited Executive		Bunk no	ldun.
	£₩. _A			
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### Statement of Profit or Loss

For the year ended June 30, 2023

	Nove	2023 Ru	2022
Administrative expenses	B	(85,970)	(83,075)
Other income	12	2,547,252	1,229,386
Profit before taxation		2,461,282	1,146,311
Tuxation	1,3	(492,256)	(240,725)
Profit after fexation		1.969,426	1005,536

The annexed notes from 1 to 18 form on integral part of these financial statements.

Chief Exercise

_ Chief Executive

Bambuddu

Director

### Statement of Comprehensive Income

For the year ended June 30, 2023

	2023 ——— Ru	2022 pees
Profit after taxation	1,969,826	905,586
Other comprehensive income		•
Total comprehensive income	1,969,026	905,586

The annexed poses from 1 to 18 form an integral part of these financial statements.

Chipotexecutive

Director



<i>हरू</i> न :				
<b>HON</b>	DHA Energy Supply Company	(Private) Limited		
	Statement of Changes in Equity For the year ended done 30, 2023			
निहर		lssæd. subscribed and paid-up capital	Unappropriated profits	Total
e e e e e e e e e e e e e e e e e e e		ANTE ANTE 48 de de les de de de les réalities que enqueup son se pape		
<del>98</del>	Balance as at June III, INL	10,000,000	2,940,795	12,940,795
± 100 miles	Youd comprehensive income for the year ended June 30, 2022			
	- Profit after taxation - Other comprehensive income		905,586	905,586
	*	·-	905,386	903,386
<del>2749</del>	Bolance as at June 30, 2022	10,000,000	3,846,381	13,846,381
***	Total comprehensive income for the year ended June 30, 2023			
# <b>!</b>	- Profit after taxation - Other comprehensive income	per de Carolin constituire de resilie e respectation de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequencia de la consequenci	1,969,826	1,969,026
•	·	-	1,969,026	1,969,026
• • • • • • • • • • • • • • • • • • •	Balance as at June 30, 2023	10,000,000	3,815,406	15,815,406
1000 1000 1000 1000	The annexed notes from 1 to 12 form an integral	E part of these financial states	nents.	
ATTER.				
€29				
<b>***</b>		Wa	enskudden	
A F	Chief Executive	74.7 XX 200.00	Director	

### Statement of Cash Flows

For the year ended June 30, 2023

	2023	2022
Cash flows from Operating Activities	Кир	ers
Profit before taxation	2,461,282	115,341,1
Working Capital Changes:		
Increase in receivable from holding company Increase in accrued liabilities	(250,£66) 21,58h	(150,000) 62,580
	2,732,862	1,058,891
Income tax paid	(382,488)	(182,194)
Net cash from operating serivities	1,850,774	876,697
Net clumpe in cush and costs equivalents	1,850,374	876,697
Cash and cash equivalents at beginning of the year	15,801,415	14,924,718
Cush and cash equivalents at end of the year	17,652,189	15,801,415
	Profit before taxation  Working Capital Changes: Increase in receivable from holding company Increase in accrued liabilities  Income tax paid Net cash from operating activities  Net change in cash and coals equivalents  Cash and cosh equivalents at beginning of the year	Cash flows from Operating Activities  Profit before taxation 2.461,282  Working Capital Changes:  Increase in receivable from holding company (250,000) Increase in accrued liabilities 21,586  Income tax paid (382,088)  Net cash from operating activities 1,850,774  Net change in cash and cash equivalents 1,850,774  Cash and cash equivalents at beginning of the year 15,801,415

The annexed notes from 1 to 18 form an integral pure of these financial statements.

Baul jedden

Notes to the Financial Statements For the year ended June 30, 2073

### 1. LEGAL STATUS AND NATURE OF BUSINESS.

- DHA Energy Supply Company (Private) Limited (the Company) was incorporated in Pulsinan on March 92, 2017 as a private company limited by shares under the Companies Ordinance, 1984 (now Companies Act, 2017). The registered office of the Company is boated at 3-B. East Street, Phase-L DHA, Karachi, in the province of Sinck: The principal objectives of the Company are to early out the businesses of generating, purchasing, importing, transforming, converting, distributing, supplying, exporting and dealing to electricity and all other forms of energy and products or services associated therewith and of promoting the conservation and efficient use of electricity and to perform all other acts which are necessary or incidental to the hosiness of electricity generation, transmission, distribution and scopity.
- 1.2 The Company had applied for distribution license to supply electric power in DMA Karachi mess. K-Electric (KE) filed a soit in the Sindh High Coast (SHC) against the Company. Natured Electric Power Regulatory Authority (NEPRA) and others challenging the same as KE best been granted "exclusive right" to generate and distribute electric power in that area. However, effective July 2023, the exclusive right of KF has been revoked and other entities are also allowed to supply electric power in Karachi. Therefore, the Company intends to take up its application filed earlier with NEPRA and expects that distribution license will be granted to the Company.
- 1.3 The Company is a rebolly owned substitute of OHA Energy and Services (Private) Limited. The ultimate parant of the Company is Pakistan Defense Officers Housing Austrary.
- 1.4 These financial statements are presented as stand above financial statements.
- I. BASIS OF PREPARATION
- 2.1 Statement of compliance

These financial statements have been prepared in accordance with the accounting and reporting standards as applicable in Pakistan. The occusating and reporting standards applicable in Pokistan comprise of:

- International Financial Reporting Standard (IFRS) issued by the international Accounting Standards Board (IASB) as notified entire the Companies Act, 2017; and
- Provisions of and directives inseed under the Companies Act, 2017.

Where provisions of seal directives issued under the Companies Act, 2017 differ from the IFRS, the provisions of and directives issued under the Companies Act, 2017 have been followed

2.2 Bash of measurement

These financial attenuents have been prepared under the historical cost convention.

2.3 Functional and presentation currency

These financial statements are presented in Pakistant Ropers, which is the Company's functional and presentation currency.

Experie

### 2.4 Critical accomming estimates and judgments

The preparation of the financial statements in conformity with approved accounting standards, as applicable in Publisher, requires management to make entireates, assumptions and use judgment that affect the application of accounting policies and the reported amount of accounting policies and the reported amount of accounting to historical experience. Estimates, assumptions and judgments are continually evaluated and my based on historical experience and other factors that are believed to be reasonable under the circumstances.

Revisions to accomming estimates are reveguized in the period in which the estimates are revised. There are no mean where judgetteen and estimates have been used in these financial statements.

### 3. NEW ACCOUNTING PRONOUNCEMENTS

### 3.1 Amendments to published accounting and reporting standards which became effective during the year:

There were certain unerediments to the occurating and reporting standards which became mandatory for the Company during the year. However, the unindepents did not have any significant impact on the floracial reporting of the Company and, therefore, have not been disclosed in these financial statements.

### 3.2 Amendments to published accounsing and reporting standards that are not yet effective:

There are certain amendments to the accounting and reporting standards that will be mandment for the Company's around accounting periods beguining on or after July 1, 2023. However, these amendments will not have any significant impact on the famincial reporting of the Company and, therefore, have not been disclosed in these famincial summerces.

### 4. SIGNIFICANT ACCOUNTING POLICIES

The significant accounting policies applied in the preparation of these funnicial statements have been consistently applied to all the periods presented.

### 4.1 Provisions

Provisions are recognized when the Company lats a present, legal or constructive obligation as a result of past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and a reliable estimate of the amount can be made. However, provisions are reviewed at each reporting date and adjusted to reflect the current best estimate.

### A2 Financial usuels

### 4.2.1 Initial recognition, classification and measurement

The Company recognizes a fixereial asset when and only when it becomes a party to the contractual provisions of the instrument evidencing investment. The Company classifies its financial assets into either of following three entegories:

- (a) Respecial assets measured at americal cost:
- (b) Ilmancial assets at fair value through other comprehensive income (PVOCI); and
- (c) Immedial assets or fair value through profit or loss IFVTPL.
- (a) Financial away measured in amortical cost

A financial asset is measured in amortized over if it is held within business model whose objective is to hold resets to collect contracted cash flows, and its contractual terms give the on specified dates to each flows that are suitely payments of practical and interest on principal amounts outstanding.

Depterson

Such financial essent are withilly necessical at fan vidue this transaction costs that are directly autibanable to the acquisition or issue mercof

### the Financial agrees at FVOC!

A financial asset is Charlified as at fair value through other comprehensive income when it is held within a business needed whose objective is achieved by both collecting constactual cash flows and selling financial assets and its constantial terms give rise on specified dates to cash flows that are safely payments of principal and interest on the principal amount extraording.

Sends the model useds are ministly measured at this value plus transmissin costs that are directly satribunable to the acquisition or issue thereof.

### (c) Financial ousets in FFTP1

A fluorisal asset shall be measured at fair value through profit or loss unless it is measured at amortised cent or in thir value through other comprehensive income, as aforesaid. However, for an investment in equity instrument which is not held for tricing, the Company may make an irrespendit election to protein in other comprehensive income subsequent changes in the fair value of the investment.

Such financial assets are initially measured at thir value.

### 4.2.2 Subsequent measurement

fal. Financial assets measured at americal cost

These assets are subsequently created at uncertified east (desermined using the effective interest method) less accumulated impairment losses.

interest i markup tecome. Account exchange guids and insues and importantly losses arising from such financial assets are recognized in profit or loss

### (b) Financial assets at FVOCT

These are subsequently incomed as fair value less accomplished impairment forces.

A gain or loss on a financial asset measured at falt value through other comprehensive income in accordance is recognised in other comprehensive income, except for impairment gains or losses and foreign eachange gains and losses, until the financial asset is derecognised or reclassified. When the Respected states is descengated the cumulative pain or loss previously recognised in other comprehensive income is reclassified from equity to profit or loss as a reclassification adjustment, buterest is calculated using the effective interest method and is recognized in profit or lass.

### les. Phametol assets in FFTPL

These assets are subsequently measured at fair value.

Net gains or losses arising from remonstrances of such financial assets as well as any interest income accraing thereon are recognized in the statement of profit or loss. However, for an investment in equity instrument which is not held for truding and for which the Company has made an irrespeable election to present in other comprehensive income subsequent changes in the fair value of the investment, such gains or leaves are recognized in other comprehensive income. Further, when each inventment is disposed off, the cumulative gain or loss previously recognized in other comprehensive income is not reclusified from equity to provid on less.

### 423 Impairment

The Company recognises a loss officement for expected could lasses in respect of financial assets measured at amorised cost

For trade receivables, the Company applies the IFRS 9 'Siropitied Approach' to measuring expected credit losses which uses a lifetime expected has allowance.

For other financial assets, the Company applies the IFRS 9 Tonneral Approach' to measuring expected credit losses whereby the Company measures the less offmance for a financial traitmenent at an entought equal to the lifetime expected credit losses if the credit risk on that financial instrument has increased significantly since initial recognition. However, if, at the repertury date, the credit risk on a famocial instrument has not increased significantly since initial acceptition, the Company measures the loss allowance for that finincial instrument at an amount equal to 12-month expected credit losses.

The Company measures expected credit losses on financial assets in a way that reflects an unbiased and probability-weighted amount, time value of modey and reasonable and suggestable information at the reporting date about the gast events, current conditions and forecast of future economic conditions. The Company recognises in profit or loss, as an impassment less, the amount of expected credit losses (or reversal) that is required to adjust the loss allowance as the reporting date.

Less offerances for financial more messured at amerised cost are deducted from the gress carrying meaning of the assets.

### 4.2.4 De-recognition

Financial assets are derecognized when the rights to receive cash flows from the financial assets bave expired at have been transferred, and the Company has transferred substantially all risks and rewards of expensiols.

### Plumprint limitalisties

Financial Bobilities are classified as measured at amortized cost or 'at last value through profit or loss' (FV IPL). A financial liability is charified as an FVTPL if it is classified as beld for trading, it is a derivative or it is designated as such on initial recognition. Financial habitines at FVTPL are recogned at fair value and act gains and tosses, including any interest expense, are recognized in the statement of profit or loss and other community income.

Other financial liabilities are subsequently measured at amortized cost using the effective interest method. Interest expense and foreign exchange gains and lances are recognized in the statement of profit or loss. Any gain or loss on de-recognition is also recognized in the statement of profit or loss and other comprehensive

Financial liabilities are developaised when obligation under the liability is discharged, cancelled or expired.

### Cash and eash equivalents

For the purpose of statement of each flows, cath and cash equivalents congrises balances with banks.

### Taxasbab

Provision for current resistion is bound on the taxable incurse for the period determined in accordance with the prevailing law for taxolism on income. The charge for current tox is calculated using opplicable tax rates, based on the laws enacted or substantively enacted at the and of the reporting period.

林莊		
	Actived expenses	
	Those are curried at rose which is the fair value of the consideration to be services received, whether or out billion to the Company.	paid in the litters for goods and
4.7	Interest income	
	interest mounts is account on a time proportionate basis, by reference to the applicable effective interest rate	e pesseipal nutrinading and at the
4.8	Foreign currency translation	-
	Transportions in foreign currencies are translated in Pakiston Rupees using the dates of minisoction. Monetary assets and habilities in foreign currencies are uning the rates of exchange to the reporting date. Exchange gains and loss	e imnskiled into Pakistan Rupees
	currency transactions and translation of monetary pasers and habilities denom reporting date are included to statement of profit or loss account.	
4.9	Offsetting finorecist assets and financial that littles	
	A firencial asset sed a financial limbility is office and the act amount is required, if the Company has a legally enforceable right to set off, sed also its or to realize the asset and settle the liability sitesites remarkly	
4.10	Borrowings and borrowing rosts	
	Borrowings are recognised mittally at fair value net of transaction costs, an using the effective interest method. Borrowings payable within east twelve liability. Borrowing costs are recognized as an expense in the period in which such costs are directly surfamilile to the acquisition, construction or product such costs are capitalized as part of the cost of that asset.	moreths are classified as current in they are incurred except where
5.	RECEIVABLE FROM HOLDING COMPANY	
	This represents amount due from DHA Energy and Services (Privace) the respect of fluids transforred to them.	nited (the Holding Company) in
		nited (the Holding Company) in
6.		*
6.	रस्डक्रम भी फिल्लीड स्टब्स्स्टियांच्ये कि किया.	2023 2022
6. 6.1	BANK BALANCES Sixte	2023 2022 
	Propert of flands transferred to them.  BANK BALANCES Sinte  Cash at bank - saving account ###	2023 2022 
á.i	Propert of flands transferred to them.  BANK BALANCES Ainte Coats at bank - saving account ### // It curries sources at on average rate of 14,5% (2022; 9,75%) per somum.	2023 2022 
á.i	Pank Balances Some Source A 1  It curries sources as on average one of 14.5% (2022; 9.75%) per somum.  SHARE CAPITAL  2023 2022 Number of shares	2023 2022 Rupres 15.801.415
á.i	Propert of flands transferred to them.  BANK BALANCES Some Cash at bank - saving screens & 1  It carries assertest at on average true of 14.5% (2022; 9.75%) per semum.  SHARE CAPITAL  2023 2022	2023 2022 Rupres 15.801.415 2023 3622
á.i	BANK BALANCES Since Cash at bank - saving account A 1 It centies solerest at on average true of 14.5% (2022; 9.75%) per somum.  SHARE CAPITAL  2023 2022 Number of shares Authorized capital 10.600.600 10.600.600 Ordinay shares of 8s.10 each	2023 2022  Rupres 15.801.415  17.452.180 15.801.415
á.i	Pank Balances Since  Cash at bank - saving success  It carries sources at on average rate of 14.5% (2022; 9.75%) per somum.  SHARE CAPITAL  2023 2022 Number of shares  Authorized capital	2023 2022



Print Print					
	7.1	The Company has one cless of orderery shares which e	nerins was einbet to Mr.	at Incheso The st	purabuldare wa
•	***	ensited is one was per stone at usertings of the Corpany			
***		residual usacis		mos man extended an	ener, avoidalbrentale a
e <b>nt</b>	7.2	As at June 30, 2023, all shares of the Company were bed Holding Company).	kl by DHA Energy ze	nd Services (Privat	e) Limited (the
				2023	3033
, mar	8.	4 (************ * * *******************	Nate	Rujxes	
	94	ACCRUED LIABILITIES			
-		Andit fors		106,200	82,600
		Professional fee		25,000	27,500
		Withholding sales are payable		3,120	3,640
aglisp.				134,320	112,740
		The same of the court is a minimum of the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the court in the co			
	9.	Payable to ultimate parent			
<del>***</del> :		Expenses incurred on behalf of the Company	9.1	6,070,375	6,070,275
	9.1	These amounts were paid by the attienate parent to the ver-	aders to support work	ine tagital.	
. prets.	4.2h	· · · · · · · · · · · · · · · · · · ·	**	<del>23</del> E	
	10.	CONTINUENCIES AND COMMITMENTS			
<del>⊘</del>	•	Their were no continguistes and extranisments entrandi-	ig as at Jone 31k, 2023	i (2022: as disclose	ed in note 3.2)
<del>(11)</del>				2023	2622
			Nesa	Rupe	
	П.	ADMINISTRATIVE EXPENSES	77474	1,00,000	•
øw.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		Professional charges		15,000	27,500
		Anditors' remineration	11.3	59,000	47,200
490		Fees and subscription		11,970	8,375
				85,970	83,075
		4 94. 4 .ue			
94 ⁴⁰ 0	11.1	Auditors' remuneration			
		Audit fens		\$4,000	43,200
_		Out of packet expenses		5,0 <b>0</b> 0	4,009
•		water and barrers and agreement	^	59,000	47,279
			•	material de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la c	
97%	12.	OTHER INCOME			
					2 MLD : M.A
		Inopen on savings account		2,547,252	1,214,626
<del>ijirji</del>		Other income	-	2 547 252	14,760
			4	in in the same	11117-340
_	13.	TAXATION			
<i>3</i> 74				400 W W C	m to be seen a
		Current		492,256	240,335
		,	*		
	grav.		3		
**************************************	Per		•		
	fer	in	•	en en en en en en en en en en en en en e	

14.	TRANSAC	TIONS WITH	RELATED	PARTIES
-----	---------	------------	---------	---------

Related parties of the Company comprise of parent entity, companies under common control, key management personnel and directors (as well as their close family members). Details of transactions and balances with refused parties, except as disclosed elsewhere in the financial statements are given below:

	Name of Related Party	Relationaldy with the Company	Norme aftensaction		
				2023	3033
				Rug	E\$#
	DHA Energy and Services (Private) Limited	Holding company	Funds transformed	400,000	150,000
				2/023	2022
15.	FINANCIAL INSTRUMEN	¥13		Яир	PES
15.1	Financial lastouments by ca	itegory			
	Financial assets measured a	anumized con			
	Receivable from holding com	speny speny		400,000	150,008
	Bank balances	* -		17,652,189	15,801,415
				18,052,189	15,951,415
	Financial liabilities measure	d at americae cost			
	Accraed liabilities			131,200	100,100
	Payable to ultimate parent			6,070,275	6,070,275
				6,291,475	6,180,375

The Company has exposure to the following risks from financial instruments:

Market risă;

15.2 Financial risk analysis

- Credit risk
- Liquidity risk

This note presents information about the nature and extent of risk to which the Company is exposed, arising from financial instruments and the risk management framework of the Company.

### 15.2.1 Market risk

Market risk is the risk that the value of the financial instrument may fluctuate as a result of changes in market inserest rates, foreign exchange rates or the equity prices due to a change in credit rating of the issuer or the instrument, change in market sentiments, speculative activities, supply and demand of securities and liquidity in the market. Market risk comprises of three types of risk: currency risk, interest rate risk and other price risk.

### (i) Currency risk

Currecey tisk is the risk that the fair value or funne cash flows of a financial instrument will fluctuate because of changes in foreign exchange rates. The Company's exposure to the risk of changes in foreign exchange rates relates primarily to the Company's operating activities (when revenue or expense are denominated in a different currency from the Company's functional currency). As at June 30, 2023 the Company is not exposed to currency tisk.

White the same

### (ii) Interest rate risk

Interest rate risk is the risk that the tair value or flavor cash flows of a financial instrument will fluctuate because of changes in market interest rates. The Company's interest rate risk arises from saving account with bank amounting to Ra.17.65 million. The effect of changes in interest rates is not considered to have a material effect on the financial statements.

### (iii) Other price risk

Price visk is the rick that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market prices (other than those arising from interest rate risk or currency risk), whether those changes are caused by factors specific to the individual financial instrument or its issuer, or factors affecting all similar financial instruments traded in the market. As at June 30, 2023, the Company is not exposed to price risk.

### 15.2.2 Credit risk and concentration of credit risk

Crodit risk is the risk that one party to a firer-rial instrument will fail to discharge an obligation and cause the other party to incur a firer-rial loss, without taking into account the fair value of any collateral. Concentration of credit risk arises when a number of counter parties are engaged in similar business activities or have similar economic features that would cause their ability to meet contractual obligations to be similarly affected by changes in economic, political or other conditions. Concentration of credit risk indicates the relative sensitivity of the Company's performance to developments affecting a particular industry. As at June 30, 2023, the financial assets which are subject to credit risk amounted to Ra. 17.65 million which constitute bank balances.

The Company is exposed to credit risk on deposits with bank. The credit risk on liquid funds is limited because the counter party is bank with reasonably high credit ratings i.e. A-2 in short term and A- for long term.

### 15.2.3 Liquidity risk

Liquidity risk represents the risk that the Company will encounter difficulties in meeting obligations associated with financial kinbilities that are settled by delivering only or another financial uses.

The table below summarizes the materity profile of the Company's financial liabilities based on contractual undiscounted payments.

	Within ope year	3 to 5 years	Tomi
	· · · · · · · · · · · · · · · · · · ·		
June 30, 2023			
Payable to ultimate parent	6.070.275	s#-	4,070,275
Acceptance binds theirs	131.200	**	131,200
	6,201,475		6.201,475
June 30, 2022			
Payable to ultimate purent	6,070,275		6,070,275
Aggrage that Diriga	110,100		110,100
	6,180,373		6,180,375

### 15.2.4 Risk management policies

Since the Company has not commerced its operations, it has not yet formulated its formal risk management policies.

### 15.2.5 Capital management

The Company's objectives when managing capital are to sufeguard the Company's ability to continue as a going concern in order to provide adequate returns to shareholders, benefit to other stakeholders and to maintain an optimal capital structure to reduce the cost of capital. The Company is not subject to any externally impused capital requirements.

Description

### 16. FAIR VALUE OF SINANCIAL ASSETS AND FINANCIAL LIABILITIES

Fair value is the same the which an even cause in exchanged, or a lightly settled, between knowledgeable willing parties in an unit's length transportion other than in a forced or liquidation sale,

The carrying values of all flumecial assets and habilities reflected in the flumecial statements approximate their fair values.

### Fals value bierarchy

The following table provides an analysis of financial instruments that are measured subsequent to initial recognition at fair value, grouped into Levels 1 to 3 board on the degree to which the fair value is observable.

- Level 1: fair value increasessments see those derived from quoted prices (unadjusted) in series markets for identical assets or liabilities.
- Level 2: fair value measurements are three derived from inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices).
- Level 3: fair value measurements are those durined from vulnation techniques that include inputs for the
  uses or liability that are not based on observable market data (unconvents) inputs).

As at reporting thate, the Company does not hold any fisancial instruments which have been carried at fair values.

### 17. DATE OF AUTHORISATION FOR ISSUE

These financial statements were numerised for issue by the Board of Directors of the Company on 16 who of 2026

- 18. GENERAL
- 18.1 Figures larve been reanded all to the reasons Rapes.
- 18.2 There was no person in the employment of the Company. The affairs of the Company are managed through the truff of ultimate resent.

Chief Liscutive

Vand udden

# ANNEX - C-4

# EXPRESSIONS OF INTEREST TO PROVIDE CREDIT OR FINANCING ALONG WITH SOURCES AND DETAILS THEREOF

The expressions of interest to provide credit or financing along with the sources and details thereof are appended herein below.

### Item No. 9

# **Expressions of Interest To Provide Credit or Financing Along With** Sources And Details Thereof



29 August 2024

DHA Energy Supply Company (Private) Limited ("DESCO") 2-B East Street, Phase 1 DHA Karachi

**Expression of Interest for financing DESCO** 

This is with reference to our various discussions with respect to above captioned subject, based on which we are given to understand that:

- DHA Karachi has established two energy companies namely DHA Energy and Services (Pvt) Ltd which serves as the parent organization for the DHA City energy project and will provide management expertise and financial support for the success of its project, while DHA Energy Supply Co. (Pvt) Ltd (DESCO) is responsible for the operational aspects, i.e. energy procurement, metering, billing, maintenance & customer support for DHA City project residents.
- It is our understanding that DESCO company's scope includes responsibility for distribution, purchase, sale and supply of electricity to consumers and will manage energy procurement, metering, billing, maintenance and customer support while adhering to relevant regulations.
- Further work is currently being done in order to finalize the DESCO structure and it is envisaged that potentially financing of up to PKR 4 billion will be required for the purposes of its future development, construction and commission of the DESCO.
- The subject project is anticipated be funded in a debt to equity structure of 70:30

In this connection, we would like to inform you that United Bank Limited ("UBL") would be interested in assuming a participation and arrangement role in relation to debt arrangement subject to our satisfactory due diligence of the DESCO's project.

Please note that this expression of interest ("Eot") is based on our best assessment of the transaction, given the currently available information and may not be construed as a commitment on the part of UBL or any of its subsidiarles or affillates, to either advise or arrange the required financing at this time. Our final decision to advise on and/or arrange the required debt will, among other things, be subject to: a) satisfactory due-diligence of your requirements, including but not limited to financial and legal/documentary due-diligence, b) satisfactory feasibility and bankability of the transaction, including without limitation compliance with the financial covenants that may be imposed on the Transaction, c) final security structure, sponsor support, and coverage ratios, and d) formal internal credit approvals of the participating institutions.

We look forward to working with you on this interesting venture

Sincerely,

Mishal Quadri Head DCM & Syndications

Nadia Tahassum GE - Corporate & Investment Banking Group

United Bank Limited UPL Head Office, U. Createdrater Buard, Karanthi, Pakistan, 🔄 11 1-805-889 🖾 www.ngidigital.com 🖺 DBLLLostedbande.com





October 10th, 2024

402 Progressive Center Sharah-e-Faisal, Karachi, Pakistan

Phone +92 21 34322551-3 Web +92 www.uhy-hnco.com

The Client,

Barrister Faisal Malik Chief Strategy and Finance Officer Defense Housing Authority (DHA) Karachi.

Limited Assurance Report Relating to Electrification charges

This is with reference to our engagement on verification of electrification charges, as agreed, I enclosed our report based on the summary expenditure report provided by the management of DHA City.

Regards,

Imran'Iqbal
Senior Partner



402 Progressive Center Sharah-e-Faisal. Karachi, Pakistan.

Phone

+92 21 34322551-3 Web www.uhv-hnco.com

# LIMITED ASSURANCE REPORT TO THE

### Introduction and scope

We have been engaged to perform a limited assurance engagement on verification of Rs.3.497 billion electrical infrastructure expenditure incurred by Defence Housing Authority, Karachi at its DHA City Project premises from year 2015 to year 2024.

### Management's responsibility

Management is responsible for the preparation of summarized expenditure report of Rs.3.497 billion incurred on development of electrical infrastructure within DHA City Project premises during 2015 to 2024 (expenditure report). The responsibility of the management includes selection and application of appropriate methods to prepare the report and use of assumptions and estimates which are reasonable under given circumstances. Furthermore, this responsibility includes designing, implementing and maintaining systems and process relevant for preparation of the expenditure report in a manner that is free from material misstatements.

### Auditor's responsibility and assurance standards

'Our responsibility is to carry out an assurance engagement on summarized expenditure report and to express an opinion with limited assurance based on the assurance procedures performed.

We conducted our engagement in accordance with the International Standard for Assurance Engagements (ISAE) 3000: "Assurance Engagements other than Audits or Reviews of Historical Financial Information", issued by the International Auditing and Assurance Standards Board. Amongst others, this standard requires that the members of our assurance team have appropriate knowledge, skills and professional qualifications to understand and evaluate the key performance indicators, and that we comply with the requirements of IFAC Code of Ethics for Professional Accountants to ensure our independence.

According to ISAE 3000 we have to plan and perform the assurance engagement to obtain limited assurance of whether any matters have come to our attention that cause us to believe that the Summarized Expenditure Report has not been prepared in all material respects and in accordance with acceptable reporting framework.

The procedure performed in a limited assurance engagement vary in nature and timing from and are less in extent than for a reasonable assurance engagement; and consequently the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

This assurance engagement is limited primarily to review the occurrence, accuracy, completeness and existence of the expenditure incurred by the Defence Housing Authority Karachi with respect to electrification works carried out within the DHA City Project Premises Karachi.



Within the scope of our engagement, we performed amongst others the following procedures:

- Inspecting the contractor's agreement;
- Review of supporting documents;
- · Review of approvals of payments
- · Tracing the payments through bank statement.

### Conclusion

Based on the procedures performed and evidences obtained, nothing has come to our attention that causes us to believe that the summarized expenditure réport is not prepared, in all material respects, in accordance with acceptable reporting framework.

### Restriction of Use

This limited assurance report is issued for the purposes of National Electric Power Regulatory Authority (NEPRA) and should not be utilized for any other purpose.

Date: 10th October, 2024

Karachi

Chartered Accountant Engagement Partner: Imran Iqbal

# Electrification Charges Defence Housing Authority Karachi at its DHA CITY Premises From 2015 to date

	SUMMARY EXPENDITURE REPORT		
S.No.	Description	Amount	Details
1	Summary of Payments -A	3,014,363,152	W1
2	Summary of Payables - B	483,438,092	W2
3	Summary of Expenditure Incurred A+8	3,497,801,244	eW
WI			
	SUMMARY OF PAYMENTS	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	· · · · · · · · · · · · · · · · · · ·
S.No.	Description	Amount	Details
	Payments		
វ	Contract Agreement Concluded by D&C Dte (Electrical Works)	1,642,317,355	Annex-A
	Contract Agreement Concluded by DHAC (Electrical Works)	248,968,546	Annex-B
3	Procurement Purchase Orders	1,109,291,934	Annex-C
4	Remaining Contract Agreement Contracts	13,785,317	Annez-D
	Total Payment till to date	3,014,363,152	
W2			
	SUMMARY OF PAYABLE	* Williams on the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the	
S.No.	Description	Amount	Details
	Payables		
1	CA concluded by D&C Dte (Electrical Works)	391,055,018	Annex-A
2	CA concluded by DHAC (Electrical Works)	84,201,824	Annex-8
3	Procurement Purchase Orders		-
4	Remaining Contract Agreement Contracts	8,181,250	Annex-D
	Total Payable till to date	483,438,092	
W3			
	EXPENDITURE REPORT		<del></del>
S.No.	Description	Amount	Details
1	Contract Agreement Concluded by D&C Dte (Electrical Works)	2,033,372,373	Annex-A
2	Contract Agreement Concluded by DHAC (Electrical Works)	333,170,370	Аппех-В
3	Procurement Purchase Orders	1,109,291,934	Annex-C
	Remaining Contract Agreement Contracts	21,966,567	Annex-D
	Total Value of Contracts	3,497,801,244	

Prepared by the Management of Defence Housing Authority Karachi.

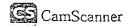
Approved By

Haseeb Hafeezuddeen

Chief FinanceOfficer

Defence Housing Authority City (DHAC)

Barriates
Faisel Imean Husson Maliz, PCA
Chief Strategy & Feature Officer
OHA Korochi





# Pakistan Defence Officers Housing Authority

2/B East Street, Phase-1, DHA, Karachi-75500 (Pakistan) Phones: 02135886401-5 UAN - 111 589 589 Fax: 02135886406

*In reply, please quote:* DHA/S&F/2024

Date: 12 Sep 2024

To:

**National Electric Power Regulatory Authority** 

NEPRA Tower

Opposite to Federal Flood Commission

East, Ataturk Ave, G-5 /1 G-5,

Islamabad

Subject:

Supply and Distribution License for DHA City's Energy Project

1. We are pleased to provide you with an overview of the ongoing initiatives by Defense Housing Authority Karachi (DHAK) and DHA City (DHAC) concerning the development of energy infrastructure for DHA City, located on M9 in Karachi.

### 2. Background

- a. <u>Defense Housing Authority Karachi (DHAK)</u>. Established under Presidential Order No. 7 of 1980, DHAK is one of the three Real Estate entities tasked with overseeing real estate and infrastructure development in Karachi.
- b. **DHA City (DHAC)**. As a prominent project under DHAK, DHAC focuses on the development of infrastructure and essential services for DHA City, which is strategically situated on M9 in Karachi.
- 3. **Energy Infrastructure Development**. To support the growth and development of DHA City, DESCO shall submit an application to the National Electric Power Regulatory Authority (NEPRA) for a supply and distribution license. This license will facilitate the provision of electricity to residents of DHA City.

### 4. Energy Companies

- a. **DHA Energy and Services (Pvt) Ltd (HOLDCO)**. HOLDCO serves as the parent organization for the DHA City energy project, providing essential management expertise and financial support to ensure the project's success.
- b. **DHA Energy Supply Co. (Pvt) Ltd (DESCO)**. DESCO is responsible for the distribution and supply of electricity as a supplier of last resort in DHA City.
- 5. **Strategic Importance**. The establishment of these energy companies reflects our commitment to delivering reliable and efficient electricity services, which are critical to the development and appeal of DHA City. By seeking the necessary regulatory approvals and implementing a robust operational framework, DHAK and DHAC aim to enhance the quality of living for our residents and DHAK will provide management expertise and financial support to DHAC and DESCO for the success of its project.

Asim Ali, SKM (Retd)
Secretary
Pakistan Defence Officers Housing Authority

# ANNEX - C-5

# **DOCUMENTS DESCRIBING THE NET WORTH AND THE EQUITY AND DEBT RATIOS**

Document describing the net worth and the equity and debt ratio of DESCO is appended herein below.

Furthermore, please refer to DESCO's audited financial statements appended herewith as **Annex** A-3.



#### Item No. 10

## Documents Describing The Net Worth And The Equity And Debt Ratios of The Applicant, As on The Date Of The Audited Balance **Sheet Accompanying The Application**



Rahman Sarfaraz Rahim Iqbal Rafiq

CHARTERED ACCOUNTANTS

Pict No. 185, Blockus, S.M.C.H.S. Karechi-74400, PAKISTAN, Tot. No. 1021) 34549345-7 E-Mail philipmentan Wabarat wawaratingom Other Offices at Landra - Rawaratin Hammahad

December 11, 2023

DHA finergy Supply Company (Private) Limited 2-B. East Street. Phase-I, DHA Karachi

#### DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

We refer to your entail dated November 29, 2023 wherein you have requested us to provide us with certain ratios in respect of financial statements of the captioned Company for the year ended June 30, 2022. In this connection, we are pleased to present these ratios based on the financial information for the year then ended:

Net worth / Tangible Not worth Rs. 13,346,381 69% > Shareholder equity ratio 7% Return on equity

> Debt ratio
> Delta - equity ratio

This letter has been issued only at the request of Company's management without any risk and responsibility on our part, for their internal purpose, and is not to be used for any other purpose.

Yours truly,

Reliner Charles 2 RAHMAN SARFARAZ RAHIM IQHAL RAFIQ Chartered Accountants

A guidan at Ruse poil Bedford International A Edde Starck of adoptors, accounting from, buseon quantitate and growner against our

### ANNEX -C-6

# PROFILE OF COMPANY, ITS MANAGEMENT STAFF AND ITS MEMBERS IN THE ELECTRICITY INDUSTRY

DHA Karachi is the primary sponsor of DESCO and is taking the lead in this project. DHA Karachi's profile is appended herein below along with the teaser of the DHA City project.

#### Item No. 1

#### **Prospectus**

## INTRODUCTION TO DEFENCE HOUSING AUTHORITY CITY (DHAC) KARACHI

Defence Officers' Housing Authority intends to develop its mega housing scheme DHAC Karachi on national and international standards, which would be a smart, resident friendly and have a mixed use energy resources along with development of all amenities / public facilities required for a sustainable city.

DHAC, Karachi is towards the North East of Karachi and is accessed by Karachi - Hyderabad Super Highway M-9. DHAC Karachi is situated about 55 km from the Karachi city centre, 26 km from the Karachi Toll Plaza and about 112 km from Hyderabad.

DHAC Karachi spreads over an area of 22,446 acres with categorized DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC South Extension (902 acres). It has an uneven rocky terrain in the Northeast (NE) and Southeast (SE) region whereas Southwest (SW) and Northwest (NW) are mostly plain and even regions. The DHAC South is planned and is divided into 16 sectors as residential/commercial and a Central Business District (CBD) as a main commercial hub. The sectors are generally further sub-divided into four residential subsectors. Planning of DHAC (South Extension) and DHAC (North) is under planning being done by consultants.

#### INFRASTRUCTURE & AMENITIES

DHAC Karachi is planned to have world class amenities commensurate to the need of modern living. Special areas are earmarked for universities, schools, hospitals, market, banks, community centers, leisure clubs, playground and Golf Course etc. Freedom of religious actives by various religion/sects/cultures have been judiciously planned by allocating land as Place of worship for different communities residing in DHAC.

Amusement parks, theme parks in the area will become land mark for recognition of DHAC. These parks are planned and being developed by dovetailing profile of the area, high grounds mountainous range in the north-east to give scenic view.

DHAC stands out as a housing scheme that is unparalleled in many respects, offering a wide array of amenities to its residents. The infrastructure is meticulously planned, featuring an extensive network of major and minor roads complemented by well-maintained footpaths, ornamental plants, and aesthetically pleasing streetlights. This thoughtful design extends to beautifully landscaped playgrounds and parks, as well as a comprehensive range of sports facilities, including an international standard golf course, all of which contribute to the scheme's appeal.

#### ALTERNATE/RENEWABLE ENERGY

Alternate energy arrangements solar energy in addition to conventional energy source etc is placed, in addition has excellent wind corridor and accordingly this is being utilized in planning of wind mills to cater for electricity requirement. Prospective residents will be encouraged to place solar energy system to have energy conservation and greenhouse effect.

#### **BUSINESS OPPORTUNITY**

Like other DHA Projects, DHAC has an enormous business environment that will improve the livability with economic opportunities and activities. This takes strength as ARY Laguna a massive business project is launched at DHAC, with more other projects to come.

DHAC is located on Super Highway and can be easily approached by different directions.

DHAC will have all facilities of a modern city of present and future era.

#### SALIENT FEATURES OF THE FACILITY

#### **OVERVIEW OF DHAC ELECTRICAL DISTRIBUTION DESIGN:**

Design of the Electrical Distribution Network for DHAC is a very important task of the project. Analysis of the latest technologies, current industry standards, local field practices and availability of skilled Human Resource have been done with a view of current and future requirements of DHAC residential and commercial users. Electrical network design layout of DHAC is based on n-1 contingency employing state of art equipment and corresponding to NEPRA standards for safe and reliable system.

The DHAC has a vision to build an urban city with adaption of new technologies. Distinctly it has to be a part of global smart cities family, which integrates various technical trends into a single place to facilitate best options to the local residents as well as business community.



#### **Utility Services**

In alignment with global best practices, all utility services are installed underground, ensuring a clean and organized environment. The housing scheme is planned to be equipped with its own grid stations, a dedicated telephone exchange, ICT availability/options and a reliable natural gas network, water supply, providing uninterrupted services to the community.

#### Generation & Distribution

DHAC being developed over a long term strategy, hence to meet the short term power demand, power dispersal in DHAC is planned to be through medium voltage distribution system built inside DHAC. It is an 11kV Integrated Distribution System (IDS) with solar and wind power and small generating sets. With the DHAC own existing generation capacity of 1.5 MW solar and 1.6 MW diesel-sets, DHAC has acquired 5 MW, 2 x 11kV dedicated feeders sponsored by DHAC from Lucky Cement through KE, thus making a total capacity of approx. 8 MW.

The mid-term and ultimate load requirement of power within DHAC is proposed through 132/11kV grid stations spread over area as per load centers, and shall be established in different sectors of DHAC, the development of 132/11kV grid stations shall be carried out as per actual load growth.

#### Social and Recreational Facilities

DHAC also prioritizes the social and recreational needs of its residents by offering a variety of facilities such as a community center, wedding halls, clubs, and comprehensive educational and healthcare services. These amenities collectively enhance the quality of life and living standards within the community.

#### **Environmental Sustainability**

Environmental sustainability is another key focus, managed by a dedicated horticulture department that ensures the green spaces are well-preserved. The scheme also incorporates advanced wastewater treatment plants and has implemented modern methods for the collection and disposal of solid waste, reflecting a commitment to environmental responsibility and the well-being of its residents.

#### **Corporate Social Responsibility**

In addition to its residential and environmental features, DHAC demonstrates a strong commitment to corporate social responsibility (CSR). Within DHAC, significant efforts are made to uplift surrounding rural areas, including initiatives to improve educational opportunities. These life-changing efforts aim to empower local communities through education and skills development, creating a positive impact beyond the housing scheme itself.

#### **Expansion and Manpower Development**

As part of its expansion and modernization efforts, after establishing a distribution company, which would not only enhance service delivery but also would contribute to local economic growth. The current manpower strength of DHAC stands at [current manpower number], and with ongoing projects and future developments, it is projected that approximately [future manpower number] additional personnel will be required to meet the growing demands of this dynamic community.

#### K-4 Project and Business Opportunities

The ongoing K-4 project, aimed at addressing Karachi's water supply issues, will not only provide vital resources to DHAC but also create significant business opportunities. Upon completion, it is expected to spur commercial growth and attract investments, benefiting the entire region.

#### Improved Accessibility via Malir Expressway

The completion of the Malir Expressway is set to revolutionize connectivity to DHAC. This major infrastructure development will significantly reduce travel time, making DHAC more accessible and, in turn, boosting its attractiveness for both residents and investors. The enhanced access is anticipated to drive further economic activity, making DHAC a central hub for future growth.

#### Community and Social Impact

These combined efforts underline DHAC's dedication to creating a self-sustaining, vibrant community that not only offers a high standard of living but also contributes positively to the broader society.

OSMAIVI RIAA Barker Gillete EY Ford Rhodes 100m # **1** 

#### PROPOSED INVESTMENT

DHAC will arrange the entire financing requirement of the Project for developing the power distribution and supply infrastructure. Furthermore, the following strategic investments avenues can be explored:

- i. Equity from DHAC: The significant source of capital for distribution and supply infrastructure will be through equity injection by the parent company DHA Karachi. The funds will be utilized in procuring the power distribution and supply assets.
- ii. **Bank Loans**: The other source of funding the distribution and supply infrastructure will be through bank financing. These loans will be obtained to acquire the distribution and supply assets
- iii. Revenue from the Sale of Plots: One of the keystone streams of funding comes through sales of plots. The resulting capital shall be allocated for power distribution and supply infrastructure along with sustenance of these assets.
- iv. Revenue from Power Supply Operations: Once the power distribution and supply network are functional, the resultant income from supplying electricity to residents and commercial entities within the DHAC can be reinvested into the system. This may cover maintenance and further expansion or upgrading of the existing infrastructure.

## SOCIAL AND ENVIRONMENTAL IMPACT OF THE PROPOSED FACILITY OR SYSTEM

The Pakistan environmental protection Act, 1997 requires proponents of all projects involving any change in the environment, to submit an environmental impact assessment (EIA) report to the **Sindh Environmental Protection Agency (SEPA)**. According to the environmental assessment procedure, Oct 1997, Schedule-II, Section H (1), Land use studies and urban plans (Large cities) projects require an EIA. Therefore an EIA was prepared for the proposed DHAC Karachi Housing project and approved by SEPA.

The sociological and demographic distinctiveness of the residence and the present city dynamics of Karachi urges for a city with the elements which fulfill the needs of the people and fits on the expectations of the buyers. As depicted in **Table 1-1** both sociological needs and international students are well taken care of in the DHAC planning. More specifically, it is based on the following principles: i.e. the quality of infrastructure, safety, proximity and accessibility, quality environment and sustainability.

Table 1-1: Residential Needs and Aspirations based on Sociological Needs.

Residential Needs and Aspirations	Vision for Master Planning
Quality Infrastructure	Planning design and implementation of infrastructure on the international Standards. Emphasis on Energy and water needs of the city.
Safety and Peace of Mind	All safety features have been incorporated through planning and information technology interventions.
Proximity	Integrated facilities of work, schooling, shopping, and recreation and community activities in close proximity.  This has been planned following a hierarchical structure.
Environment	Using international vision plus local experience to provide a beautiful living environment and highest quality of life in Pakistan.
Efficiency and Sustainability	The most energy efficient and sustainable superb of Pakistan with efficient Pedestrian, Cycling, Road Waste system and Alternate energy Solutions.

DHAC as an ecologically green city, which offers its buyers an opportunity for housing, commerce and leisure. These amenities are planned by keeping a vision of the buyers and by adopting international standards.

DHAC spans over a large area. There are some pre-existing communities/goths of local living on the land.

Besides these goths few isolated hamlets of nomads were also found. The biggest settlement found in DHAC is Goth Allah Dad Jokhio, located in the north-east of DHAC having population of about 800 people, established in the 1860's.Most of the population speaks Sindhi and Balochi languages as mother tongue and have comprehension of Urdu Language as well. Major occupations in the village are shepherds, agricultural laborers (haari) and industrial workers. Almost 90% of the population is illiterate with considerable higher male literacy. As obvious from the entire village is a cluster of nuclear housing units connected with small unmetaled tracks. Most of residents are relatives of each other and belong to Jokhio tribe.

Most of the houses are permanent (pakka) or semi-permanent (semi-pukka) with few temporary (katcha) houses. The main source of drinking water is a tube-well and 3-4 small reservoirs (earthen dams) which harvest rain water during monsoon rainfall. A major portion of this water is utilized for the cultivation of the main crops, such as Lobia, Moong, Jawar and Gawar. The routine environmental issues the locals are concerned with are the accumulation of fugitive smoke from the Lucky Cement factories in winter and dynamic sand blasting at the cement factory.

The second village is Goth Karim Dad Jokhio, established in the 1820's and having a population of 300 persons of Jokhio tribe. They speak Sindhi and Punjabi and are located at the eastern bank of the Sukkan River. This small village is quite unique in terms of location as Jamshoro and Thatta districts are just a few meters away from the Goth, on the other side of Sukkan stream. The area is ecologically quite rich and has good agricultural fields or sesame (til), moong, Jawar and Gawar FOR THE SMALL local ECONOMY. The major economy of this Goth is grazing animals and farming. About thirty percent people are literate with very little female literacy. The area is quite disturbed environmentally for the few months of summer because of the Pak Land cement factory located in the South West of DHAC.



These villages and Goths are being taken care off in the overall planning of DHAC maintaining their originality and the same time keeping in view their water, power and energy requirements.

This will improve their quality of life and environmental conditions and will provide better education/ schooling recreation and work/Job Opportunities.

One of the main goals of DHAC is to adopt a holistic and sustainable design and planning approach. In order to achieve reduction of CO₂ emissions, it is essential that energy demands are optimized and energy losses are kept at minimum level. The part of energy generated at site shall be from low Carbon and renewable energy sources like solar, wind and biomass, which has least negative impact on environmental conditions.

### **ANNEX - C-7**

# EMPLOYMENT RECORDS (CVs) OF ENGINEERING AND TECHNICAL STAFF OF THE PETITIONER PROPOSED TO BE EMPLOYED

Curriculum vitae(s) of the engineering and technical staff of DESCO are appended herein below.



#### Item No. 12

### **Employment Records of Engineering and Technical Staff of the Applicant** Proposed to be Employed

All technical staff that will be employed shall be preferably having background of serving in any DISCO with engineering background.

All fresh Engineers/DAE qualified person shall undergo training before putting on the job.

Criteria/qualification for selection in different departments of the DISCO shall be in accordance with the procedures followed by other DISCO(s) under NEPRA.



#### Item No. 11

# A Reasonable Detailed Profile of The Applicant Senior Management, <u>Technical and Professional Staff</u>

Detailed Profile of Technical and Professional Staff at present are as attached.

#### Lt Col MUHAMMAD MAZHAR UDDIN AHMED (Retd)

House # 106/3, Zahidan Lane, Mater Corett, Karochi (192)-3322616809, (092)-3003903805. E-mail: mmahasuddin@gmail.com

After concluding more than 25 years of meticulous, chaffenging and inspiring services in Pakistan Army (Corps of Electrical and

Mechanical Engineering). I am pursuing similar professional apportunities towards my goals for a successful career path by joining hands together to an organization with whom my existence, worth and result oriented proficiency can reach to the top of line that to depends upon to whom I associates with.

#### Skills & Abilities

- Project Management
- Human Resource Management
- Team Building and Leadership
- Quality Control Management
- Occupational health and Safety Management
- Supply Chain Management
- Troubleshooting Testing and Diagnostics
- Inspection and Performance Evaluation
- Modeling and Simulation Techniques
- Computer Software
  - ✓ MS Office.
  - MS Project

#### Highlights of Career History (Duration Sep, 1993 - To date)

Company	Designation	Charles Transfer (Charles	<u>Duration</u>	
DHA City Karachi	A City Karachi Dir (E&M Dte)		2921 to date	
Inst of Business Manageme	nt Senior Manager	201	2018 to Jul 2021	
Army Regional Workshop	Deputy Commandant/ Director Production		years 16-2018)	
Directorate of Design and consultant (E-in C Br, GHQ)	Principal Engineer		years 14-2016)	
Army Spares Depot	Head of Depot		years 12-2014)	
College of Electrical & Mechanical Engineers	Senior Instructor / Assistant Professor	7	years 09-2011)	
Mil Dairy Factory Okara	Project Officer		e than two years 12-2005)	
Army Electronics Base Workshop	Officer in-charge Therr Imager Lab		e than 5 years 28-2002)	
Army Repair & Maintenance Workshops / Units	In-charge for repair, maintenance & Quality Assurance Department	/100	e than 5 years 13-1998)	
Personal Details				
• Father's Name:	Muhammad Hussain Khan	Nationality:	Pakistani	
Date of Birth:	8 th Jun, 1967	N.I.C No:	42101-1673034-7	
<ul> <li>Domicile:</li> </ul>	Karachi	Religion:	Islam	

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MERCHANICAL AND THE REPART OF SHIPPING AND ADDRESS OF STREET	· · · · · · · · · · · · · · · · · · ·	COST (CS-Spring on Fortige and Costs)	*
MS (Electrical)	NUST	2009	
BE (Electrical)	NED DET	1993	
Cources / Skill Davelone			,

#### Courses / Skill Developments

- > Harris communication setrepair and maintenance course 2011 502 Base Workshop Electrical And Mechanical Engineers
- > Supply Chain Management Course | 2010 | College of Electrical and Mechanical Engineering
- Advance Management Course | 2002 | College of Electrical and Mechanical Engineering
- Repair and Maintenance Course of Thermal Imagers | 2000 | Thomson CSF,
- Office Automation Course | 2000 | Institute of Information Technology, Islamabad
- Night Vision Devices Specialist Course (1999) College of Electrical and Mechanical Engineering
- Java course | 1999 | Institute Of Information Technology, Islamabad
- Electro-medical Equipment Specialized Course | 1996 | College of Electrical and Mechanical Engineering
- > Post Graduate Diploma (1995) College of Electrical and Mechanical Engineering

#### Achievements (Hi-lights)

- Energization of Sec-14 through KE feeder by laying of MV/LV UG cables and other infra.
- Successful operation and maintenance electrical network of DHAC since last 2 years.
- Load Assessments of DHA Sectors as per NEPRA CSM and signed them off with KE.
- Logistic Support Projects, during 2016-17 and 2017-18 were carried out very efficiently, with in due timeline and provided budgets.
- Occupational health, Safety and Environment Management System of Base Level Workshop was formulated and executed at Army Regional Workshop.
- Successfully evaluated and vetted HVAC and Electrical system Design of forensic Laboratory of Afghanistan Asm Forces Jalaiabao.
- Established process performance metrics to track, analyze, and report performance in terms of quality, safety, cost and customer satisfaction.
- Served as technical member of Army Clinical Audit Team of South region's Combined Military Hospitals.
- Supervised the executed vehicle maintenance program including the direct supervision of 15 to 25 production supervisors overseeing anywhere from 400 to 950 personnel.
- Planned and executed technical evaluation and inspection program of vehicles weapons, equipment held with the Units of Army formation in order to ensure operational fitness and readiness of the formation.
- Developed plans in support of contingency operations such as civil emergencies / disturbances, civil defense, disaster relief and operational programs, and combat readiness and deployment plans.

(References can be provided if required.)



	LT COL MEHRO BEAHA (Reid)
Personal Information	<ul> <li>Date of Birth: 17 Aug 1963</li> <li>Ce I Number: 0321-6014216</li> <li>Address; 11 - E, Askari V, Malir Cantt, Karachi.</li> <li>Email: mahboob1963@holmas.com</li> <li>Married with four children</li> </ul>
Career Objective	<ul> <li>To work in a dynamic and challenging environment with the aim to ensure optimum utilization of humanitechnical resources and administrative excellence for an efficient productive activity.</li> </ul>
Summary	<ul> <li>A highly qualified, results-driven and dependable professional with a broad-based experience of human resource management, administration, security, training and information technology.</li> <li>Technical Evaluation of vehicles, weapons &amp; equipment for inspection, repair and maintenance.</li> <li>Inspections &amp; supervision of workshop for production / quality.</li> <li>Has served for 26 years in the army and retired as LI Col in 2011.</li> </ul>
Skils	<ul> <li>Excellent oral and written communication skills in English,</li> <li>Effective administrative, managerial and leadership skills.</li> <li>Analytical and problem-solving skills.</li> <li>Management, raining, planning &amp; quality control in military engineering production.</li> <li>Management &amp; planning of HR for employment on various projects.</li> <li>Expert in the use of computers and internet.</li> </ul>
Experience	<ul> <li>Karachi Corps Headquarters: Worked as Project Officer from Sep 2006 till Nev 2013 and looked after technical, Commercial and agricultural projects; administrative affairs and security matters including procurement.</li> <li>Pakistan Army: Served in the army from 1983 - 2011 and performed various assignments related to administration, security, and technical and information technology.</li> <li>Versetile experience in serving with reputed organization including National Logistic Cell, Pakistan Ordinance Factories, Pakistan Ranger and Central/Base workshops.</li> <li>Baluchistan Wheels Limited: GM Maintenance/GM Technical as well as (Factory, Head) having approx 500 workforce for nine years. The factory is located at Hub (Baluchistan).</li> </ul>

Education	PGD (Production Engineering): NUST Islameted, 2000-2001 BSc in Mechanical Engineering: UET Labore, 1991 BSc: Pakistan Military Academy, 1986		
Professional Training	<ul> <li>Qualified in different Technical, Engineering &amp; HR Management, Administration, security and teadership courses from army/crvil.  List of major courses completed are as under:  Unit Commander Course.</li> <li>Young Officer Technical Course.</li> <li>Proof and Experimental officer course.</li> <li>Testing and proofing of bulle; proof jackets.</li> </ul>		
(Balanca in Matter State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park and Art State Park an	South Africa:     Taiwen:	Testing and proofing of bullet proof jackets Procurement and inspection of heavy-duty wheels manufacturing equipment, 1000 Ten Hydraulic Press and Test Equipment.	
Foreign Visits	<ul><li>Kores:</li><li>UAE:</li><li>Saudi Ambiá:</li></ul>	Visit to verious auto industry for recommending and finalizing equipment for modernization and suggradation of Baluchistan Wheels Ltd.	
Working with Foreign Engineers and Delegations	Worked with Chinese, Taiwanese, Korean, Japanese and German Engineers / Delegations for installation and commissioning of heavy equipment, its repair and maintenance with administrative and security support to the foreign delegations.  Negotiation and finalization of terms and condition for refurbishment of heavy-duty vintage equipment and machinery.		



#### CURRICULUM VITAE

#### MAJ (R) ALI ASGHAR, TI (M)

#### PERSONAL DETAILS

Nationality : Fakistani
 Date of Birth : 15 February 1971
 Cell No : 03337501050

• E-mail ati_90me89@yahoo.com

Married

Adoress: : Village Muhammad Chattel Channo Teh

Shahdad Kot & Disti Kamber Shahdad Kot

Language : Proficient in English, Sindhi, Urdu

#### **EDUCATIONAL QUALIFICATION! MAJOR COURSES**

BE (Mechanical Engineering) - Mehran UET Jamshoro : 1995
 Basic Technical/ Administration Course (Mechanical)-24
 College of EME : 1998
 Special Equipment (B-Vehicles) College of EME NUST : 2003
 Mid Carrier Course-40 (Vehicles) - College of EME : 2005
 Fabrication and Machining of Hull / Turret - Batou China : 2008
 Defense Procurement Course (O)-38 - Ord Schopl : 2011

#### **SHORT COURSES**

- Project Management
- Production/ Vehicle Assembly Line Management
- Quality Control Assurance
- Procurement procedures
- Communication/ interaction Skill Development
- Accounts Handling
- Security of men and material

#### PRACTICAL HAND/ EXPERTISE

- Electrical Network Infra Structure and Operation and Maintenance:
   3 Years experience of Laying of Infrastructure, Energization & Operation and Maintenance Electrical Network at DHA City Karachi as Deputy Director Electrical & Mechanical Branch from 2021 to 2023.
- Spares Procurement Management: 4 x years' experience in procurement of spares of all type of Vehicles: Equipment.

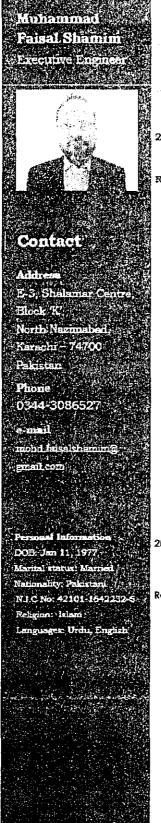
- Humañ Resources Management: 20 x years' experience in sorting out skill of under command manpower, segregation and assigning of tasks according to technical, administrative skill of an individual so as to get optimum and results.
- Production (Engine(Vehicle) Assembly Line Management: 4 x years' experience as Assistant Director Production of Engine as well as Vehicle Assembly line. Forecasting and scheduling to meet out lined production schedules. Coordination and supervision of various sections involved in production line so as to feed ascembly line stages well in time.
- Security/ Accounts Management: A hast experience in the field of man and malarial security.
- Industrial Plant Inspection/ Maintenance: 5 x years of experience in the field of industrial plant inspection and maintenance.
- Production Assembly line Management: 2 x years' experience in vehicle/ engine assembly line.
- Quality Control/ Assurance: A vast experience in the quality control department.
- Repair/ Maintenance of Vehicles / Equipment: A vast experience in the field of repair/ maintenance of heavy as well as light vehicles and mechanical machinery.

#### **AREA OF INTEREST**

- Administration / Assembly Line management
- Repair/ maintenance/ inspection of industrial plant/ vehicles/ machinery
- Human Resources Management
- Project Management

#### PROFESSIONAL EXPERIENCE

- 3 Years experience of laying electroal Infrastructure i.e. MV/LV cables, Ring main units. Kicsks, transformers, street lights, Operation and Maintenance of faid Electrical Network at DHA City Karachi as Deputy Director E&M Dte DHAC from 2021 to 2023.
- Menager Plant Maintenance Inspection in Aircraft Manufacturing Factory Pakistan Aeronautical Complex Kamra
- Assistant Director Quality Control Heavy Industries Taxila
- Officer Commanding ex an independent body of troops
- Second in Command of an Army Unit.
- Spares Management/procurement Officer
- Assistant Director Production (Vehicles Assembly & Engine Assembly Line)



#### Career Objective

To effectively apply my skill and knowledge in a professionally motivating environment where career growth opportunities exist in a way that positively benefits the organization.

#### Work History

2021 till date Executive Engineer, Design & Contract Directorate

Defence Housing Authority, Karachi

Responsibilities

Presently dealing with following in light of FIDIC/FFRA Rules/FEC Regulations:-

- Pre-qualification of vendors/contractors/consultants for procurement of goods & services.
- Tech evaluation of BOQs/Cost estimate for Elect Works (individual projects, area electrification schemes, Alternate Energy Projects).
- Floating of Tender Documents, Issuance of RFPs & relevant correspondence with Contractor/ Consultant/relevant agency.
- Evaluation of bids/proposals, issuance of Letter of Award & finalization of Contract Agreements.
- Assessment of Time Extension / Variation Orders/deviation/amendments/termination.
- Obtaining administrative & financial approvals from the management.

#### DHA Electric Supply Company (DESCO)

Assisting the Advisor Office responsible for Revival of DHA Distribution Company w.r.t. Filing of Supply & Distribution License Applications in NEPRA in light of recently introduced CTBCM Model & Licensing Regulators to undertake distribution business & sale of electric power to the consumer in DHA City, Karachi.

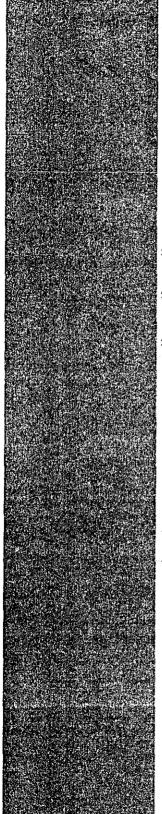
2013-2021

Executive Engineer, E&M Sec, Development Directorate Defence Housing Authority, Karachi

Responsibilities

Member of the team responsible for Flanning and Construction of 132/11 kV Grid Stations, 132 kV Underground Transmission Line for Electrification of Phase-VIR, DHA Karachi involving:

- Issuance of Tenders, Eval of Bids and Award of Contract in accordance with FIDIC/PPRA/IEC Standards
- Relevant technical correspondence with confractors, consultant and end user
- Site inspections, preparation and verification of bills and assuring compliance with notified specification
- Dealing with areas of deviation from specifications and variation orders, extension in time etc



Asst Executive Engineer, E&M Section 2006-2013

Defence Housing Authority, Karachi

Responsibilities

Active participation in preparation of feasibility, preparation of contract documents, issuance of Work Order and billing for Supply, Installation, Testing & Commissioning of Soler Energy Projects in DHA Part of Team responsible for preparation of area of electrification scheme of DHA Fh-VIII involving load assessment, selection of equipment and cabling work Witnessed Type/ Routine Tests on HT/LT Cables, Power/Distribution Transformers

- M/s Pakistan Cables Ltd, Karachi, M/s PEL, Lahore.
- M/s Universal Cables, Karachi M/s Newage Cables, Labore.

Internee Electric Engineer 2005-2006

Defence Housing Authority, Karachi

Trainee Electric Engineer 2004-2005

GATRON Industries Ltd, Hub, Beluchistan

Trainee Engineer 2003-2004

Pak Aviation Engineering Services

#### Academics

2002 B.E. (ELECTRICAL), First Division, 2002

NED University of Engineering & Technology, Karechi

1005 Higher Secondary School Certificate, Grade 'A'.

Gort. Dehli Inter College, Kerachi

1993 Secondary School Certificate, Grade "A-1",

Progressive Children's Academy Sec School, Karachi

#### Certifications & Affiliations

- Profession Engineer Reg No. ELECT/18621 Pekistan Engineering Council, Islamabad Pakistan
- Certified Contract Management Professional NED University of Engg & Tech (Batch 8 - 2021)
- Governor Sind Program for Gan AI, Web 3.0 & Metaverse (Batch-1) commenced from Feb 2024.



Possessing an extensive background encompassing 20 years, I am a highly accomplished Electrical Engineer and Project Manager with expertise in project planning, management, monitoring, controlling, and commissioning, predominantly within the Utility sector. Actively seeking a dynamic professional setting that esteems effective communication skills and capitalizes on my intrinsic technical acumen, my objective is to contribute substantively to a progressive organization aspiring to attain industry leadership in their respective disciplines.

#### CONTACT

🖂 engr.naveedzaffar@gmail.com,

M naveed.z.memon@outlock.com,

( +92-333-2281236

🕰 Karachi, Sindh, Pakistan

www.Linkedin.com/in/naveedzaffar/

#### EDUCATION

N.E.D University of Engineering & Technology, Karachi, Pakistan, 2023-2025
Master of Engineering Management Energy Management MEM GPA 3.7 (in progress)
N.E.D University of Engineering & Technology, Karachi, Pakistan, 2019
Post Graduate Certificate Course (Renewable Energy)
Mehran University of Engineering & Technology, Hyderabad, Pakistan, 2003
Bachelor of Engineering Electrical (Power)

#### PROFSSIONAL EXPERIENCE

Pakistan Defence Officers Housing Authority, Karachi, Pakistan Executive Engineer May 2021 to till date

Supervision of site works as per Contract Agreements, Preparation of Contract Agreements, Witnessing FATs for electrical equipment, Preparation of Terms of References for Consultants for the projects, reviewing of final design submitted by consultants, Design Calculations review, ensuring execution is carried out according to standards and specifications.

ANK Engineering & Construction Company, Karachi, Pakistan Senior Electrical Engineer February 2018 to May 2021

Supervision of MEP works (Incl. Fire Fighting Alarms, CCTV Installations, HVAC Systems etc.) of newly Constructed Buildings (Hospitals, Malls, Public Buildings), Ensuring smooth execution of Site Works with team of Engineers.

#### CEPCO, Jeddah, Kingdom of Saudi Arabia

Site Manager, EHV Cable Projects

March 2016 to November 2017

Initial Survey, Finalizing Approved Drawing, Crew Handling, Execution of Approved Site Work, and Jointing of 380 KV Power Cables, Acquiring Permissions from different Departments and Testing of DTS, Fiber Optic & Power Cables 2500 mm2.

#### K-Electric, Karachi, Pakistan

Manager Bulk Business Department & Distribution Projects

September 2004 to February 2016

Providing Facilitation to Corporate Customera (above 04 Megawatts). Optimization of Substations by coordinating with Substation & Operation Departments, Proper Documentations, Initiation, Planning Execution and Completion of different distribution projects, implementation of HSEQ policies and parameters to site execution activities,

#### Electrix Traders, Karachi, Pakistan

Site Engineer, Electrical Distribution Projects

September 2003 to September 2004

Reviewing Tender Documents, Preparing BOQs, Site Execution, Team Management, Liaison with other Government Departments for acquiring Right of Ways.

#### PROFESSIONAL TRAININGS

Attended "Certified Contract Management Professional" Certification Course facilitated by NED University of Engineering and Technology Oct 2021 to Dec 2021 (03 Months Course)

Attended "Wind Energy" Course facilitated by, Technical University of Denmark (five Weeks Session), and Completed in May, 2020 (Online). Grade "84,7%".

Attended "Six Sigma Green Belt Level" facilitated by NED University of Engineering & Technology, Karachi (four Days Secaion), Intended to appear in Six Sigma Green Belt Certification Exam in Coming Months, 2024.

Attended "PMP Exam Preparation aligned with PMI Standards" facilitated by Wayne Management Institute, Karachi (four Days/35 Credit Hours Session.

Attended "Managerial Skills for Budding Managers" Karachi, facilitated by NAVITUS Pakistan for KESC Ltd. (Two Days Session).

#### MANAGEMENT SKILLS

- Project Management
- Excellent Business Communication
- Organizational Skills
- Time Management
- · Effective Leadership Ability

#### COMPUTER & SOFT WARE SKILLS

- · Minitab
- Primavera Oracle P6
- MS Project
- MS Office (Word, Excel. PowerPoint)
- AutoCAD 2017

#### TECHNICAL SKILLS

- · Critical Thinking & Analytical Skills
- Understanding Creativity of Project
- · Engineering Drawings & Technical Submittals
- · Quality Assurance & Quality Control
- · Bill of Quantities
- · Work Inspection, Supervision & Snagging

#### LANGUAGE SKILLS

- English
- Urdu
- Sindhi
- Arabic

#### **MEMBERSHIPS**

- · Professional Engineer of Pakistan Engineering Council Registration No. Elect/19520.
- Member of Saudi Council of Engineering Registration No. 290077

#### PERSONAL INFORMATION

Date of Birth:

25th December, 1979

Religion:

Islam

Marital Status:

Married

Passport No:

AD0206734

Driving License.

K\$A Driving License

(Expired in April 2021)

#### REFERENCES

- 1. Engr. Bassam Kabbara, Project Manager AL-WAHA 380 KV UG Cable Project, CEPCO, KSA. Contact: +966 503696082
- 2. Engr. Nagash Arif, Sales Engineer, CEPCO, KSA Contact: +966 500342804
- 3. Engr. Faisal Saleh Memon, Executive Engineer DHA, Katachi, Pakistan Contact: +92 333 3212578

Current When

HUMBER AND SERVICE



#### HAIDER ALI SERIWAL



MCQ Building CHA City, Karashi, Sindh, Pakistan.

# +82 323 3525219

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ff tops//www.linkedin.com/ind/aiden-ai-0102bCall

Sec Male | Date of Ers. 20-03-1947 (**Compley: Paveriarily for Lie 44203-66677306-)

Passoor No YO1793353 (PEC a Electro : 4258) Fision Halani

Dedicated and results-criven Engineer with 8 years of exemplary experience in the dynamic field of solar energy, specializing in sustainable solutions within the presegious DHA City. Proven track record of conceptualizing, implementing, and optimizing solar projects that harness renewable energy sources to meet environmental goals white maintaining cost-efficiency. Seeking to leverage my expertise in solar engineering and project management to contribute to innovative solar midatives, advance sustainability goals, and enhance the energy landscape in DHA City and beyond.

WORK EXPERIENCE

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27/01/2018 - TH Osto

AXEN (Electrosis Renewable Energy)

DHA City Karachi, Pakistan



Bright Horizon of Solar Energy

DHA City Karachi, a forward-trinking urban development project is not just shaping the future of living but also embraong sustainable energy solutions. At the heart of this commitment has the harnessing of solar power—a clean and renewable energy source abundant in the vibrant city of Karachi, With a vision focused on a greener, more sustainable tomorrow, DHA City Karachi is ituminating its path to progress with the power of the sun.

Business: Army Projects, Website: dnakarach.org/, Email: dha@dhakarach.org

Head office: 2-8, East Street, Phase-I, DHA, Karachi-76500 Pakistan

DHA City Karnetii (DCR)

Electrical and Solar Project Works

#### Scope of Project:

DHA City Karactii (DCK) spread over an area of 20,000 acres of land is expediatorally being developed as a planned. Sustainable. Green and Smart City of Pakistan. The project involves in the execution of Solar Electric Power Generation and Distribution Networks for the very first Smart City in Pakistan. This is the first sustainable city, in which Renewable Energy (Solar & Wind) is one of the essential sources of Power Generation. 20% of the total Power Generation socraiss of Solar & Wind based generation, while rest of the 70% power generation is conventional electric power. I MW Solar Tree like structures and be quit that will efficiently using the partially its space for a dual purpose i.e. providing shade for parked cars and also to generate energy.

59,500

Carriculum Vitae

Hauter Al. Seningl

#### PROJECT EXPERIENCE





#### Projects:

- 1.124 MW Solar Energy Project Solar Park and Roof top systems at DHA City Karachi.
- 133kw latand solar system vish Battery management system DHA Casis Karachi.
- 104 kw Solar system for UG water task at Health Care District DHA City Karachi.
- 230 kw On Grid solar system at Water Channel Sector 3 DHA Coy Karachi.
- 750 kwn Batery Management system for 1.5MMV GN-Grd Solar system at Campaile.
- 1.5MW on-grid solar FV system in combination with dieset generators, fuel save controller and 750kWh battery backup in order to implement micro-grid facility for DCK campaigs.
- 5MW On-Grid & Hybrid spisar FV system at various reofices of residential, commercial and utility buildings. (The capacity of each system is varied from 5WW to (COW)).
- Small wind power systems 30 kilowatta
- LVS.IIV electrical power distribution network.
- d30 Street Light Poles 120 watts General Electric LED Light East & West Boulevard DCK.
- Integrated LEO Street Lights 50 waits to 100 waits.
- 200 Conventional LED lights at DCK M-9 Highway Interchange.

994

#### Project Sallent features:

- On-Grid Solar Power System.
- Hybrid/Off-Grid Solar Povver.
- Energy Storage
- Power Supply For ict Wocks.
- Galar & Conventional Street Lighting.
- Solar Water Fump.
- Solar Water Heating Geysers.
- Small Wind Power Systems
- Lv & Mv Electrical Fower Distribution Network.

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#### Responsibilities

- Site Supervision & Inspection.
- Verify the conductor sizes for these supplying multiple units.
- Make sure orougherakers and the correct size current rating for their orough.
- Check for adequate lighting in the area,
- Inspect capies installed in contact with territoal installation.
- Cables assembles are suitable for the residential condition.
- Write down overall notes regarding inscension.
- Operation & Maintenance of instaked systems.
- Site Supervision & Inspection of Electrical / Solar works.
- Leading Operation & Maxitenance team for 1.5MW on-god system.
- Supervised and leading Q&M team for 30kW wind turbines with battery backup.
- LV power newark execution in various buildings.
- Leading Operation & Maintenance team for 480kW on-grid system
- Punonist for final billing of complete project with at related data

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Симожен Уван

Hander All Senvel

30/01/2018 -- 71/12/2018

Propiti Engineer (Exchicul & Resewable Energy)

Client DHA City Kanachi (DCK)

#### Spinstoch Pakistan



Solarisch Pakistan is a pioneering organization at the forefront of Pakistan's renewable energy landscape. With a commitment to homessing the power of the sun. Solution is dedicated to providing outling-edge solar energy solutions for residential, commercial, and entiretial claims across the cation. Through innovation, sustainability, and a referitiese pursus of clean energy, Solarech Pakistan is leading the charge soward a brighter and more sustainable energy future in the region

Head office: Solar Tech House, Pion Avenue, Valencia Main Equievant, Lahore

Websits, solutech.com pil/

Contact 0423-6226063

#### Key Responsibilities & Expense

- Solar permit installation and alignment
- DC and AC electrical aveium dealor.
- necellatin but noticelle where
- Connector to the grid or off-grid systems
- Solar жизу разболтилов жимуза
- Montpeling and troubleshooting solar systems
- Compliance with safety standards
- Project oper wearnance
- Quality control and expections
- Enveronmental impact assessments
- Renewable energy project planning
- Solar technology research and evaluation киродивроп об вывлай этолгов такирока
- Callaborating with cross-functional fearing
- Solar energy project management

9102/2011 - 01/09/2015

Alman's Collection

#### M/S Alman Colton Citaring Freeding Factory & Ok Mile

#### Key Responsibilities & Expertise

- Strategin planning for process ocomication.
- Team leadership and management.
- Production oversight and paget achievement.
- Quietry control and complanyou
- Maintenance scheduling and equipment upkeep.
- Budget management and resource alrocation.
- Safety protocol implementation.
- Continuous process optimization.
- Environmental supplicability indutives Efficient problem-solving and troubleshooting.
- Reporting on performance and activities.
- Vandor and supplier coordination.
- Staff training and development.
- Project management for expunsions and uppractes
- interdecentmental communication.
- Resource allocation and efficient unitation,

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Item # 11

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EDUCATION AND TRAINING	ent hanne and desire. Disc communication of Nation 1, which is surrounded and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and instrument and ins
2006 - 2010	
	Bechelor of Engineering In Stationics Engineering
	Dawnod Collage of Engineering & Technology, Karachi, Pakistan.
	Semiconductor Mararial Devices and Circuits, Power System & Network Analysis, Olymp Logic
	Design. Electrical Medicario Analysis. Electronic Devices and Circuits, Marchine Cestion &
	Equipment Training, Power & Industrial Electronics, Control Systems, AC/DC Machines &
2004 - 2006	Drives, Project Management
	H.S.S.C - Higher Secondary School Certificate (Pre-Engineering)
	Cadet Cureou Saryotys: Pakistan
2001 - 2003	Physics, Chamistry, Math's, English.
	S.S.C - Secretalary School Certificate (Science)
	Cadet College Sanghar, Pakistan
	Physics, Chemistry, Mathib. English, Computer Science.
TECHNICAL SKILLS	and the second control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contro
	MS Office: For Making Raports, Presentation, Formulae Sheets, Etc.
	AutoCAD: Creating Technical Drawings and Layouts,
	Distust: For the Designing of Lightning Systems for Roads and Building
DEDECAMA EVILLO	
PERSONAL SKILLS	446.44
Communication skills	Excellent communication and interpersonal skills, facilitating effective collaboration with citients, stakeholders, and regulatory bodies. Skills gained from extensive experience in
	the state with a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

complex ideas in simple terms.

Plage 42 f

Curriculum Vitue

Hador All Senwal

#### Cinganisational / managerial skills

- Preven track record of achieving energy savings and reducing carbon footprints through the adoption of solar energy solutions in DHA City, contributing to its sustainability objectives.
- Committed to ongoing professional development and staying updated on the latest advancements in solar technology and sustainable energy practices.
- Strong knowledge of industry standards, regulations, and best practices related to solar energy, ensuring compliance and safety in all projects..
- 4. Demonstrated ability to lead cross-functional teams manage budgets, and oversee project timelines, resulting in the successful completion of numerous sofar projects on time and within budget.

#### Job-related skills

Over 8 years of hands-on experience in solar energy engineering, encompassing the design, installation, and maintenance of solar power systems in residential, commercial, and industrial settings.

Adept at conducting site assessments, feasibility studies, and energy audits to determine the optimal solar solutions for specific projects, ensuring maximum energy concration.

Cover skills

I love travelling and Photography. I would love to travel anywhere in Pakistan and rest of the world

ADDITIONAL INFORMATION

Pakistan Engineering Council Certified KACO certified Self-Maintainer of KACO Germany Inverters

Certifications

Note: Reference Documents / Certificates / Experience Letters can be provided on Request

919عوجة



#### **CURRICULUM VITAE**

Engr. Saqib R-43 block-F Gulshan-e-Jamal main Rashid Minhas Road. Mob: +92-333-2533002

Email: engrsaqib06@hotmail.com

13 YEARS



**Objective:** To acquire career oriented employment in a reputable organization with an aim to be an asset for the company by utilizing my potentials to the maximum and achieve ultimate career goals.

EXPERIENCE

#### **KEY QUALIFICATION:**

Qualified and professional BE Engineer with a multipurpose/designations and multinational professional experience of more than 04 yrs. I have practically performed all the concerned jobs and been deeply involved in their commencement weather at site or in office with hard work, concentration and dedication.

Employer

DHA Karachi

Tenure

August 2015 - Present

Designation

A/XEN (Electrical)

The largest and leading residential estate in the country. Providing a world class environment and well guarded community with amentias of quality life.

#### RESPONSIBILITY:

- Supervising the execution of electrical infra structure and building's electrical systems in different sectors
  of DHA City. Provide co-ordination between consultants and contractor for smooth completion of work.
- Factory inspection for transformers, RMUs and feeder Pillar.
- Installation of step-up transformers for provision of backup supply system through generator for residential of DHA City.
- Operation and maintenance of existing electrical system.
- Supervising buildings electrical system i.e HVAC, elevators, fire alarm system, distribution boards etc.
- Preparing BOQ and execution of electrical works directly assigned by higher authorities.

Employer

M/s. Osmani & Company (Pvt.) Ltd.

Tenure

January 2013 - August 2015

Designation

Design Engineer (Electrical)

**Major Projects** 

Project

Development of DHA City (11,640 Acres)

Client

Defence housing Authority

Location

Karachi

Project

Infrastructure Development of DHA Phase-8

Client

Defence housing Authority

Location

Karachi

#### **DESCRIPTION OF DUTIES / ACTIVITIES PERFORMED:**

#### Electrical Infrastructure

- Situation Analysis of Electric Power and communication infrastructure.
- Detailed analysis of existing system, demand and supply situation of electric power.
- > Assist Team Leader in preparation of immediate action plan for development works.
- Develop the short term & long term development plans regarding utility services considering economical & technical viabilities.
- Report of New SITE
- > Load Assessment Criteria
- Load Calculation & Distribution
- Layout & Distribution of MIV / LV Network
- MV / tV Cable sizing & Voltage drop
- Single Line Diagram
- Specifications for LV/MV Switchgear/MCC
- BOQs & Engineer's Estimates

#### Buildings

- Illumination calculation on DIALUX
- Lighting layout & circuiting
- Small Power layout & circuiting
- Selection of material for lighting works
- Single line diagram for distribution board

:

- Extra low voltage network (Firealarm, Sound system, CCTV, IT networking, etc)
- Substation layout with Earthing
- Selection of equipments (MV Panel, Transformers, LV Panels).
- Generator sets with accessories as per load requirement
- BOQs & Engineer's Estimates

**Employer** 

Sapphire Textile Mills Ltd

Tenure

From March 2011 - Jan 2013

Designation

Trainee Engineer

#### Responsibilities:

- Manage and look after operation and maintenance of power house
- Troubleshooting in the control system of Gensets (Cater Pillar, Waukesha and Jen Bacher) and electric LT and HT distribution systems.
- Working on energy optimization techniques for better and efficient use of energy and cost optimization in fuel consumption.
- Prepare cable and bus bars layout plan for the installation of new machinery / Gensets.

#### **EDUCATIONAL QUALIFICATION:**

- > P.G.D, Electrical Power Engineering, Mehran University of Engineering and Technology Jamshoro, 2012
- B.E in Electrical Engineering, Mehran University of Engineering and Technology Jamshoro. 2010.



Computer Proficiency :

MS Office, MS-Windows, Auto Cad

Languages Known

English, Urdu and Sindhi

Other Details :

Father Name Date of Birth Nationality Abdul Razzaque

09-April-1987 Pakistani

Sex Marital Status Male Single

:

CNIC No.

44101-4741657-7

#### References

Najam-ul-Hassan Burney

Job Title: Senior General Manager

Company Name: Osmani & Company (Pvt.) (td.

Phone Number: 0300-2843298

#### Mr. Afsar Hussain

Job Title: Manager

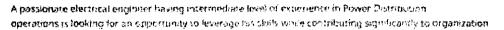
Company Name: Sapphire Textile Mills (Pvt.) Ltd.

Phone Number: 0321-3009206



### SYED SAAD AZIM

ELECTRICAL ENGINEER





<b>25</b> 53	zim364@gmail.com	<b>\$ +923362009487</b>	Q Karachi Pakist	au
WORK EX	(PERIENCE		PERSONAL AT	TRIBUTES
May 2020 - Assistant Engineer (Ele		(Electrical)	Leadership	
Present	Pakistan Defence Office	ers Housing Authority - Karachi		
	<ul> <li>Responsible for the m power distribution netw</li> </ul>	ianagement and supervision of witk which involves:	Iniciative	
	Underground MV/LV     Method as per authoriz	Cable Laying Using Unect Laying ed Standards.	Team Working	
		STING (SAT) of equipment to ensure ration under various conditions. F:	Communication	
	using SARWA HOSETH I	ion Resistance Test on power cables insulation resistance Lester, in power cables using a little TEV-	Presentation	
	15KV high voltage surge	•	SKILLS	
	Mounted Unit transform	nec	AutoCnd	•
	prevision of electrical co	वागतु a residential sector which includes onuectivny to domestic and	C/C++	<b>**</b>
	commercial ands includ	am external maintegance.	MS Office	
	<ul> <li>Maintaining record of visits to maintacturing</li> </ul>	work execution and quality inspection facilities.	MS Project	🐞 🕆 ေန 🤞 🤻
Aug-19+	INTERN (Site Opera	tions)	Project Management	• • • ·
Dec-19	Fatima Technologies (Pv	a) Ltd	······································	
	three TO KW ON GRID S	ger in planning and installation of olar Systems are selential) having	LANGUAGES	
P)	Mono-crystaliane Photo- Phase inverter	Mono-crystalline Photo Voltais Stockies with 10 KW Three  Phase invertes:	English	<b>***</b>
	aTrained with basic com and installation.	ceats of Sasar System planding testing	Urdu	•••
EDUCATION	ON			
Oct 2023 -	Masters of Enginee	ring (Electrical Power Systems)		
Ongoing	NED University CY Engin	egering & Testanology - Ranashi		

Aug 2015 -

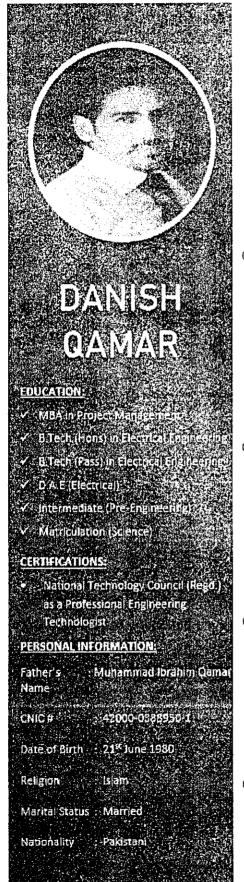
Dec 2019

Enrolled in a two year Masters program with current courses of Power Systems Analyses and Advance Power Distribution

National University Of Computer & Emerging Sciences - Karachi Graduated with a four year bacheins dearns in Power stream

**Bachelor of Science (Electrical Engineering)** 





#### CONTACT DETAILS

(P)

-92 593 5189**510** 

danishqamar80.dq@gmail.com

O

A-60, Indus Mehran Society, Model Town, Karachi - Pakistan.

#### OBJECTIVE:

A career in reputed organization that provides me best opportunities to gain quality work experience to develop managerial a technical skills in a competitive and professional environment for a good career.

#### EMPLOYMENT HISTORY:

Sub Divisional Officer

Defense Housing Authority

2007 - Present

#### **Grid Station:**

Testing, commissioning of 2 × Gnd Station with consultant M/s Nespak, Contractors M/s Siemens (Pvt.) and M/s SE Power

Performed / conducting inspection, testing and commissioning of 132 KVA Grid Stations

- Electro Mechanical, Micro Processor and numerical relays
- FAT and SAT of 40 MVA Transformer.
- FAT and SAT of 500 KVA Station Transformer.
- SAT of DTS Panel.
- FAT and SAT of MV Panel.
- SAT of SF, Circuit Breaker, CT, PT, Isolator, Surge Arrester, Busbar and Line Bay Panels, Bus Couplers
- Testing and Commissioning of Distance Relay, OC over current and earth Fault 132 KV line Pane. Relay Transformer Control Panel Relay.

#### Transmission and Distribution MV and LV Networks:

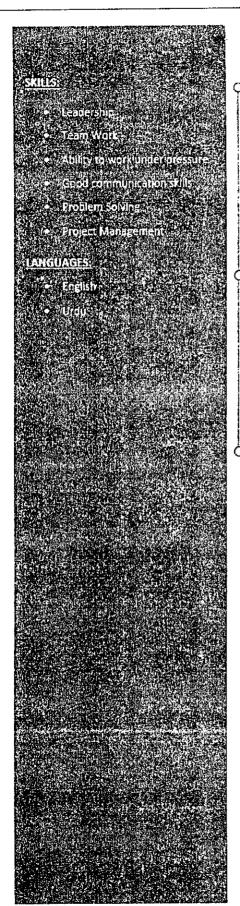
- Laying of 132 KV, 800mm underground Feeder cables.
- Laying of 11 KV Feeder, 400mm and 300mm Feeder cables.
- Laying of 240mm, 120mm, 70mm and control cables
- Supervision of excavation, taying, jointing and termination.

## Street Light Projects - Planning and Implementation of Conventional, Integrated and Solar Lights

- Street I goting for Roadway residential and Walkway
- Review and field inspection of new and old existing Street light system
- Prepare Correspondences, Board Reports, Cost Estimation, Specification.
- Conduct Investigation including Night time Field checking Reports.
- Street light design system for conventional light control by SLCP.

#### Solar Tube well Planning and Installation

- Installation testing and commissioning and Solar Tube Wells.
- Checking and inspection of Solar Panel, Motor, Pump, Electrical Winner DBs and DC Panels.



## Solar Energy projects, Solar Park and Roof top system and DHA City Karachi.

- 1.124 MW. Soler Energy Project Soler Park and Roof top systems at DHAIQ by Karachi
- 133kw island solar system with Battery management system DHA Casis Karachi 104 kw Solar system for US water tank at Health Care District DHA City Karach
- 220 kW On Grid solar system at Water Channel Sector SIDHA City Karach
- 750 kWh Bettery Management system for 1.5MW ON-Grid Solar system at Campaite
- 1.5MW on-grid solar FV system in combination with diesel generators, fuel save controller and 750kWh battery backup in order to implement micro-grid fee Ltv for DCK campsite.
- SMW On-Grid & Hyorid sciar PV system at various rooftops of residential, commercial and utility buildings. (The capacity of each system is varied from SkW to 100kW). Small wind power systems 30 kilowatts.
- EV & MV electrical gower distribution network.
- 630 Street Light Poles 120 watts General Electric LED Light Sest & West Boulevard DCK Integrated LED Street Lights 50 watts to 100 watts.
- 200 Conventional LED lights at DCK M-9 Highway Interchange.

#### Project Salient features:

- On-Grid Solar Power System.
- Hybrid/Off-Grip Scian Power.
- Energy Storage.
- Power Supply For Ist Works.
- Solar & Conventional Street Lighting
- * Sofar Water Pump.
- Splan Water Heating Geysers
- Small Wind Power Systems.
- Lo & My Electrical Fower Distribution Network.

#### Assistant Engineer

#### K-Electric

2004 - 2007

#### O/H and U/G Networks:

- Implementation of HV / EV Network Schemes including Installation of Poles, conductors and their accessories.
- installation of PMTs with complete structure.
- Installation of VCB Panels.
- Supervise / maniforing the cable termination, jointing and laying of HT / LV both underground and overhead.

#### Assistant Engineer

#### Electrix Trader

- Controlling, Tasking, Reporting and Maintain daily progress report of Projects.
- Purchasing Controlling of Tools, Equipment and accessories.
- Implementation of EV and HV Network Schemes including installation of Foles, PMTs, VOB Panels, Electrical Wiring DBs, conductors and their accessories.
- Laying of underground feeders with complete terminations and cointing.
- Design and develop the building wiring projects.
- Monitoring of projects reports progress, coordinating activities regarding the installation.
- Monitoring a clear workable relationship among a web people (Client, Consultant, Supplier and Authority / Regular body).

### NISAR AHMED

ADDRESS: A-1109 Gulthan Hadid Phase-I Hin Quiam Town, P.O. Steel Town Malir Karachi. 03132194088 - 03232804570 Email: 19141 abmodis Corpanicoun



#### Objective

To work with a progressive organization that offer a competitive and Challenging environment and fully Utilize my professional and academic Skills to pursue a challenging and rewarding career, which mutually beneficial.

#### Experience:

- . Sub Divinional Officer Elect, at DHA city Karachi M9 project from Oct 2018 to date... DHA city Karachi project known first ever green sustainable cry of Pakistan under Pak Army First corps
- Assistant Engineer at K-PLECTRIC from July 2015 October 2015
- Associate Engineer at AMRELI STEPLS Ltd from February 2015 to July 2015.
- Supervisor Electrical at SEPCO project Jan 2011 to February 2015

#### Academic Qualifications

B-Tech Honor Electronics	CGPA	DIHE Karachi (2018) result IP
B-Tech Para Electronics	3 CGPA	DIHE Karachi (2014)
D.A.E. Electronics	I* dr	S.B.T.E. Karachi (2011)
Metric Science	В	B.S.E. Karschi (2005)

#### Certification & Skills:

- · Short course four month electrical technicians from Pakland vocational training center Karachi (2012)
- Short course four month electrical technicians from SBBYDP Karachi (2011)
- One year diploma in computer sciences skill development council Faisalshad (2012)

#### Responsibilities

- Deal Distribution, planning, complaints, project curvey and electricity network team, supervise
  upon maintenance staff, look forward KE customers problems
- . Testing & commissioning of PANUES MV LV cables, new project tendering.
- · All concerned work with first earlity implementation (safety is top priority)
- Trafe / VCB OCB switches inspection & installation.
- Inspection of underground EHT, HT, LT transmission cables, reporting through computer thills including Microsoft Office &. Official Emails, Tele communication
- Supervision, checking of electrical work at side
- Supervision of concerned areas, operation, maintenance and matallations of instrumentation electrical accessories, awitchgours, motors, controllers
- · Maintenance of the plant as well as planned unplanned shut downs
- Team player, solution provider and a team leader, strategy and planning of his section, with strong
  maintenance and troubleshooting background in Switch-gears, Power & Distribution Transformers,
  MV/LV Motors, Starters, Protection Relays, VFDs, UPS, Hazardous Asea equipment
- Generation distributions plans and power machinery maintenance
- familiar with safety, Root Cause Analysis, Assets Life Expectancy and similar Reliability concepts
- Good knowledge of grid station operation Maxw load. (Grid executive)
- · Substition, LT, HT, LV Distribution complains solution plansing
- · Slag processing plant, induction furnaces etc.
- Electromechanical instruments and good knowledge about hydraulics system.
- Complete operation and electrical, instruments maintenance of <u>Verzaui</u> (Italian) plant at Amreli
  steel
- · Shift supervisor in plant.
- Maintain all record of field maintenance as per routine
- Prepare the estimated cost & budget on maintenance activities.
- Responsible for carryout breakdown and shutdown maintenance.
- Provide (technical) guidance to the team members for execution of maintenance activity
- · Set-up preventive maintenan de plans (planning & scheduling)
- * Provided solutions, system faults and used root-cause-failure techniques, conective actions, modifications and performed replacements and/or sea actellation.
- * Rectify major faults through UGM, SSM, GSM, Operation & CM team with K.E.
- Inspection of Elect eqpt, LV MV cables, Trafo/PMUS/S, SMUFATs,...
- · Official Inspection Experience detail
  - o 12 Trafos inspected (FAT) all protocols at PEL Factory Labore
  - o MV LV cables inspected (FAT) at Fast Cables Lahore
  - o MV LV cables inspected (FAT)

#### Personal Information:

w.	Father's Name	:	Muhammad Rahir
J**	Date of Birth		15-12/1989

✓ CNIC # 42301-6903809-7

✓ Domicile PRC : Karachi (Sindh)

✓ Religion Islam

✓ Elationality Pakistam
✓ Marrial status Bachelor

✓ Language Urdu, Sindhi, English



NAME

Syed Shaukat Hussain

ADDRESS

N-4147, Block I, Metroville-III, Guishan-e-Iqbal Karachi

TELEPHONE

021-34640061

**MOBILE** 

0333-3475-166

EMAIL ADD.

shaukatiit@gmail.com

#### SPECIAL SKILLS

• Proven ability to work with minimum direction.

- Self-motivated, Adaptable, with the ability to maintain performance and meet the challenges of changing climate.
- · Excellent customer services and people management skills.
- Team player with the ability to encourage confidence building and self motivation of team members.
- Demonstrated ability to communicate with and relate to people at all levels.

#### ATTITUDE AND ATTRIBUTES

- Certificate and innovative approach to all obligations.
- Ability to work under pressure in a demanding situation with professionalism.
- Ensure all organizational objectives and Goals are achieved.
- High work ethics and professional approach to all obligations and commitment.

#### ORGANIZATIONAL AND ADMINISTRATIVE SKILLS

- · Able to understand and interpret guidelines and policies.
- Able to operate autonomously and as part of a team.
- · Ability to assess situations and implement appropriate measures.
- Able to negotiate and listen to the needs of others.

#### TECHNICAL KNOWLEDGE

#### ELEVATORS

 Comprehensive knowledge of electrical and mechanical system of elevators specialization in Gold star (Korea) and Thyson(Germany).

#### **GENERATORS**

 Adequate knowledge of Diesel and Petrol Generators (All Type) specially 300,400 & 500 KVA Generators.

#### MISC

 Sufficient knowledge in Fabrication, welding (arc & Gas). Pumps (single Stage, double stage.)

#### **EDUCATION**

- Higher Diploma in Mechanical Engineering (HDME) from Dhaka Bangladesh at ICTVTR with automotive technology. (On GOVT of Pakistan scholarship.) Year 1992.
- HSSC from Aisha Bawani College" B" in years 1988.
- · SSC from Little Angle's Secondary School In years 1985.

#### **Employment History**

- QUICK Auto workshop as "Asst Supervisor" Dealing in repair and Maintenance of Diesel and Petrol Vehicles from December 1992 to July 1993.
- POWER LINE COMPANY as "Mechanical Technician" for Supervision of Diesel Generators up to 500 KVA from Aug 1993 to Aug 1994.
- ORIENTAL GENERAL ENGINERING COMPANY as "Mechanical Supervisor "for Generator, Welding Plants and Pumps etc. From Sep 1994 to Feb 1996.
- BUSINESS communications as" Service Engineer" on installation and maintenance of local and imported Elevators from Aug 1998 to June 2009.
- DHA Services as a" Senior Technical Supervisor" at Creek Vistas Appts providing all technical supports from June 2009 to July 2020.
- DHAC as CHIEF MECH at E & M Dte. Providing technical support regarding elevators and HVAC systems in buildings from Aug 2020 to till date

#### MOHAMMAD SALEEM

£ +92 333-7841435

🔞 saleemdhakhi@gmail.com

👺 B-32 phase 2. Guishan-e-Hadee5d, Karachi Pakistan



#### OBJECTIVE

Seeking a challenging position in a progressive organization effering opportunities for professional growth and development that may prove to be very effective for corporate wealth as well.

#### ACADEMIC QUALIFICATIONS

8.Tech Pass (Electrical)

2014

New Port Institute of Technology Karachi.

CGPA: 2.98

D.A.E (Electrical)

2009

Swedish College of Technology Karach.

Division: First

SAFETY TRAINING: Indus Motor Company Ltd. Karachi.

#### Working Experience: 06 years 10 months

DESIGNATION	EMPLOYER NAME	FROM	10
Technical Supervisor	D.H.A Karachi	17 June 2013	Still To Date
(Electrical)			
Electrician	Indus Motor Company	1 Feb 2011	30 May 2013

#### > RESPONSIBILITIES

#### > SOLAR ENERGY SYSTEM

Operating of 01 Mega watt Solar energy system (Renewable Energy)

#### > WIRING

- Site Supervision
- Site Inspection
- Monitoring of Projects as per Specification / Drawing
- Inspection of Conduting, Wiring, Lighting Circuits, Power Circuits, Distribution
   Boards, Three Phase, Distribution and Underground Cables.
- Inspection of Accessories (Inventory) as per BOQ and Approvals.

#### > 3 PHASE GENERATORS

- Operation of Generators
- ь Maintenance and Record of Generators
- Fuel record of Generators
- Wiring LV panel to generators
- Wiring Main DB to LV panels
- Manage Generator Operators and Electricians Duties



#### COMPUTER SETUS

- > Ms Office
- > Internet Surfing

#### PERSONAL DATA CONTOURS OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S

Father's Name i

Gulshan Soomro

Date of Birth

02-10-1985

CNIC

42501-2414006-3

Religion : Marital Status : Islam Married

#### LANGUAGE CAPACITATY TO SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE

English

Spoken-Fluent: Written-Fluent: reading-Fluent

Urdu

Spoken-Fluent: Written-Fluent: reading-Fluent

#### 

Reference will be furnished on request.

Page: I of 2



1800年 1900年 1900年 1000年 
#### Mubashir Ali Shah

+92 300-2323615

22 mubashir.1ahmed@gmail.com

House No 3, Street No 27, Area "B" Qayyumabad Korangi Road Karachi Pakistao

#### **OBJECTIVE**

Seeking a challenging position in a progressive organization offering opportunities for professional growth and development that may prove to be very effective for corporate wealth as well.

#### ACADEMIC QUALIFICATIONS

B.Tech Pass (Electrical)

2012

New Port Institute of Technology Karachi.

CGPA : 3.02

D.A.E (Electrical)

2007

YMCA Poly Technic Institute Karachi

Divisions First

Working Experience: 18 years months

DESIGNATION	EMPLOYER NAME	FROM	TO
Electrician	D.H.A Karachi	14 Dec 2006	td) To Date

#### > RESPONSIBILITIES

#### > SOLAR ENERGY SYSTEM

o Operating of 01 Mega watt Solar energy system (Renewable Energy)

#### > WIRING

- Site Supervision
- Site Inspection
- Monitoring of Projects as per Specification / Drawing
- Inspection of Conduting, Wiring, Lighting Circuits, Power Circuits, Distribution
   Boards, Three Phase, Distribution and Underground Cables.
- Inspection of Accessories (inventory) as per BOQ and Approvals

#### > 3 PHASE GENERATORS

- Wiring LV panel to generators
- Wiring Main DB to LV panels
- Manage Generator Operators and Electricians Duties



#### COMPUTER SKILLS

- > Ms Office
- > Internet Surfing

#### PERSONAL DATA LANGE SELECTE LA LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE LA FORMACIÓN DE

Father's Name :

Syed Muslim Shah

Date of Birth :

09-08-1985

CNIC

42501-2414006-3

Religion :

Islam

Marital Status :

Married

#### CLANGUAGE CAPABILITY CLASSICAL PROPERTY OF THE PARTY OF THE PROPERTY OF THE PARTY O

English

Spoken-Fluent: Written-Fluent: reading-Fluent

Urdu

Spoken-Fluent: Written-Fluent: reading-fluent

#### を**保護制度性を制定的**は多いによって対象を発表される場合というできょう。 アンガー・フェル・ストランド 1784 と、 スタスト 数数数数 研究を持ち込みできる

Reference will be furnished on request.

Page: 2 of 2

#### Dilshad Ahmed

Cell: 0331-3787327, 0346-2235145.

#### Objectives:

Looking for an environment twhere! can contribute my Services, Knowledge& Experience+ Enhance my skills for exponential careergrowth.

#### Education:

- Metric Science with 1"div from Karachi Board (2015).
- > DAE (Electrical Technology) from St. Patrick's Institute (2019).

#### Experiences:

- 2 Year Experience as a Site Supervisor at Yazir Engineering Works.
  - ▶ June 2016 To June 2018
- > 3 Year Experience as a Site Supervisor at Muhammad Samad & Co.
  - July 2018 to July 2021
- > 3 Month Internship at Pakistan Defence Housing Authority.
  - Aug 9 2021 till Nov 9 2021

#### Other Related Skills/ Works:

- Work place & Human Safety management.
- > Office work flow management.
- > Computer based office System & Emailingetc.

#### Personal Bio-Data:

Domicile

>	Father'sName:	IrshadAhmed
>	Date of Birth	01-03-1999
>	Nationality	Pakistan
>	CNIC No.	42301-9106650-5

Sindh



#### AHSAN RAZA

Mobile: 03498550025

E-mail: areeh/108@gmail.com

PEC #: Elect/56035

Mailing Address: D&C Dte, DHA head office, 2-B East Street, Phase-1, DHA

Karachi

#### **OBJECTIVE**

To work in an organization where I can use my skills and knowledge to deliver value added results as well as further enhance my learning and develop my career in the field of Electrical Engineering.

#### **EXPERIENCE**

#### <u>Defence Housing Authority (DHA), Karachi.</u>

Duration: From May 2021 till Now (more than 1 year)

Designation: A/QS (E/M)

Department: Design & Contract Directorate

Key Responsibilities:

Vetting of Electrical Design of all major power projects. Including multi stories building projects. Contracts management like Reviewing of bidding documents, tenders, BoQs & Proposals etc. Evaluation of technical bids. Variation Orders, Rate Analysis and Measurement Books. Enlistment and Pre-Qualification of Contractors, Suppliers and Consultants

#### NO-Electric

Duration: From Oct 2017 to May 2021 (3 Years and 8 Months)

Designation: Site Engineer (Electrical)

Kev responsibilities:

Management of E/M work at the site and Coordination with consultant and project Manager.

Installation and Maintenance of Electrical & Telecommunication systems in multi stories Building projects.

Installation, connections and commissioning of Distribution Panels (DBs)

Connections of CCTV Cameras, WIFI devices and fire alarms Systems

Installation and Maintenance of ATS Panels, UPS Units and generators etc.

Preparation of electrical "As build" drawings.

Preparation of Cost estimation, measurement sheets and final Bills.

#### Hyderabad Electric Supply Company (HESCO)

Duration: From Aug 2016 to July 2017 (1 Years)

Designation: Trainee Engineer

Field of work

Worked as trainee under PM Youth Training Scheme at HESCO in the department of distribution & maintenance at subdivision. Observed the procedure of repairing and maintenance of transformer and correction of 11KV & 400/230V line faults.

Jamshoro Power Company Limited

Duration: From April 2016 to July 2016 [3 Month]

Designation: Internee Engineer

Field of Work

Internship in Generation and Administration Department

#### **EDUCATION**

#### **EE ELECTRICAL**

NED University of Engineering & Technology, Karachi

Jan 2012 to Jan 2016

Percentage: [69.92%]

1st Division

Major: Power

#### Higher Secondary School Certificate (Pre-Engineering)

Read Foundation College, Bhimber (AJK BISE Mirpur) 2009-2011

Percentage: 87.5%.

A-1 Grade Major: Mathematics

Secondary School Certificate (matriculation)

2007-2009

Read Foundation School Pindi (AJK BISE Mirpur) Percentage: 90.2%, A-1 Grade

#### FINAL YEAR PROIECT

#### Modeling, Analysis and Protection Coordination of NED University Network.

ETAP was used in this project to perform load flow analysis and short circuit analysis on NED network then protection coordination was done by using different relays and Protection scheme.

#### **ACHIEVEMENTS**

#### Scholarship

Got Merit base Kashmir Council scholarship for 4 Years of University education.

#### Talent Awards

Got Gold Medal from PM of the State because of brilliant performance in matriculation examination

#### SOFTWARE SKILLS

MS Office

ETAP AutoCAD



#### Shakaib Najam

Electrical & Electronic Engineer

an organized individual with a substantial training and knowledge in the field of Electrical & Electronic Engineering evident with the courses there taken and the degree that I have achieved with good grades overall. Looking for a position in a future oriented company with a professional environment and an aim for growth and development both personally and professionally.

💯 shakalbrajam@gmail.com

Q Bahrla Town Karachi, 75340, Karachi Pakistan

#### WORK EXPERIENCE

#### Application Engineer BRITLITE ENGINEERING COMPANY

09/2019 - 10/2027 - Kinachi Pesisten Authorized Schriftstat v. and Eppinium Salation Provider I. is consist as Range of artificial for the interesting and Lie Frank as increase

Actievaments/foots

- Dealing in various Electrical & Electronic products and representing world renowned brands. For instance, Earthing Systems (Furse-UK, Lightning Protection Systems (LPI-Australia), Automatic Voltage Regulators (Ortea-Italy), UPS (APC-USA), Generators (ARKEN-Turkey), etc.
- Seeking new opportunities and joint ventures and approaching potential organizations on Domestic as well as international level.
- Corresponding with reliable local and international dealers for acquiring products that best matches with client's specifications in extremely competitive rates thus coming up with cost-effective proposals for existing as well as potential clients.
- Liaising with customers on regular interval to ensure timely closing of projects within agreed budget and maintaining contacts with them to ensure high levels of customer satisfaction.
- Managing projects from initiation, pre-production all the way to completion and providing hassle-free after sales support by forming Service-Level Agreement with clients.
- Carrying out inspections and troubleshooting of electrical/electronic products with a team of trained technicians at various sites for swift and effective resolution of issues to minimize the critical downtime faced by clients.

#### Estimation Engineer AHMED ELECTRICAL SERVICES

11/2016 - 02/00s7

Karo M. Pelratur

Mission Electronis Contractive with appelointy in industrial Contributions, Missioning & historistical Renation.

Achievements/Tests

- Evaluating Deison Layout of project work scope.
- Conducting feasibility studies of various projects to estimate the time, material and labor costs.
- Preparing tenders & contracts of different scales, i.e. Emaar Residential Towers, Navy Housing Scheme and Sindh Engro Coal Mining Company Ltd., etc.
- Multi-task effectively prioritized independently and met bloht deadlines

+92-331-2310358

its linkedin.com/in/shakaib-najam-086762b7

#### **FOUCATION**

B.Engg. (Hons.) Electrical & Electronic Asia Pacific University of Technology and Innovation, Malaysia and Staffordshire University, UK

2010-2015

Healettenour, Meleysle

HSC Certificate from FBISE Board, Pakistan. Model Pakistan Academy Kuwait

2908-2016

Africall Rosasif

SSC Certificate from FBISE Board, Pakistan Model Pakistan Academy Kuwait

2001-201

AGINTH, KINGER

#### SKILLS



#### CERTIFICATES

Theory, Maintenance, Commissioning of Digital - Static Voltage Stabilizer, Power Factor Correction Systems by ORTEA, Italy, (2019)

GOETHE-ZERTIFIKAT A1 - START DEUTSCH 1 by GOETHE INSTITUT (2018)

Membership of Institution of Engineers, Pakistan (IEP)

Registered Engineer, Pakistan Engineering Council (PEC) (2017 ~ Present)

Electrical Design for Hi-Rise Buildings by Skill Development Council (SDC) - Pakistan (2016)

Electrical Power Distribution Systems & Planning (11kV/440V) by Skill Development Council (SDC) - Pakistan (2016)

Page 1 of 2



#### **WORK EXPERIENCE**

#### Assistant Engineer - Hyperstar Project | Lucky One Mall AHMED ELECTRICAL SERVICES

01/2011 - 11/2016 Armshir Pokkto Major Caestina Caestinate widh upo sing to Industrial (Corollo Silve) Planeng Caestina Caestinate Sevenus.

Achievements/Tour

- Performed detailed study of project drawings and reviewed BOQ items accordingly,
- Highlighted the points that are discussed in the meetings.
- Supervised a team of 6 bechnicians to create pathways for installation of Power, Lighting, Fire Alarm, CCTV, Access Control & Public Address Systems in compliance with engineering work ethics and international standards and safety codes.
- Prepared as-built drawings & punch list against the actual work scope executed at project site.
- Verified the electrification works of 3 Sub-Contractors deployed on different sites of the project against mutually agreed scope of work for billing purpose.
- Active learner and effective communicator-practices good judgment and discretion while working closely with all type of clients
- Promoted to the designation of Estimation Engineer after working for only 10 months on the job.

#### **Intern**CONTROL EASY TECHNOLOGY SDN. BHD

07/2013 - 1070013 Khala Lumpus, Malagaia Landing grammer uning community reviding blesse and Control Automotion & Education Control Training Equipment. Actions ments Tarin.

- Gained knowledge about general problem solving and troubleshooting of electronic products.
- Gained an insight into problem solving as well as, numerical and analytical skills
- Built collaborative rapport with associate Engineers to effectively accomplish the assigned tasks
- Successfully performed data gathering and image processing for the detection of defects in PCB flux using MATROX vision software.
- Commended for productively completing the toesis on detection of PCB flux defects.
- Worked on daily report writing

#### LANGUAGES

URQU Natural Binguni Preferency - Fo

english

Full Professional Proficiency

CERMAN

Chi history historicy

CHINESE Elementary Proficiency

ARABIC

Elebanistics Proficiency

#### REFERENCES

Will be furnished upon request

#### ANNEX -C-8

## PROFILE OF SUB-CONTRACTORS, IF ANY, ALONG WITH EXPRESSIONS OF INTEREST OF SUCH SUB-CONTRACTORS

Please see the document appended herein below.

#### Item No. 13

#### Profile of Sub-Contractors, If Any, Along With Expressions of Interest of **Such Sub-Contractors**

DHA is presently involved in Electrical Infrastructure Development in Phase VII-Extension, Phase VIII and DHA City, where all planning and design of Electrical network and tender documents are prepared and issued by M/s Osmani & Company Pvt (OCL).

Work is being performed through various pre-approved and well known National Contractors, like M/s Frontier Works Organization (FWO), M/s National Logistic Cell (NLC), M/s Badar Engineering Works (BEW), M/s Zaffar Enterprises (ZE), M/s Qaiser Electric, M/s PEL etc under the supervision of Consultant M/s Osmani & Company Pvt. Ltd.

## VERIFIABLE REFERENCES IN RESPECT OF THE EXPERIENCE OF THE APPLICANT AND ITS PROPOSED SUB-CONTRACTORS

The document containing the verifiable references is appended herein below.

Furthermore, please refer to the listed experience of DHA Karachi in its company profile appended as **Annex C-6**.



#### Item No. 14

### Verifiable References in Respect of The Experience of The Applicant And its Proposed Sub-Contractors

The **Defense Officers Housing Authority (DHA)** is one of the most organized real estate managers and developers in Public Sector, operating in the metropolitan area of Karachi as well as other big cities of Pakistan like Islamabad, Lahore, Gujranwala, Multan, Quetta etc. It has expanded its expertise and acquired new land for development of state of the art project known as **DHA City Karachi (DHAC)** comprising of DAHC North, DHAC South and DHAC South Extension, located on Superhighway, which will have facilities comparable to developed countries, filling a large gap in development.

Presently *DHAC* is carrying out Electrical Infrastructure works in *DHAC South Sector 1, 3,* 14 and *Gateway District* with limited work in other sector(s) to extend electrical network through different certified national contractors, which include *M/s Frontier Works Organization* (FWO), *M/s National Logistic Cell (NLC)*, M/S Schneider, M/S Qaiser Electric, M/S M/S Zafar Enterprise (ZE), M/s PEL, M/s Badar Engineering Works (BEW), M/S Expert Contracting, and others. The said contractors have already started work on site under supervision of M/s Osmani & Company Pvt. Ltd. (OCL). M/s OCL have vast experience as leading Consultant in Integrated Planning, Engineering and Infrastructure Design and Development for various National and International Projects.

A number of reputed Contractors and vendors have shown zeal in electrical infrastructure works in DHAC.

EY Ford Rhodes

# V. FINANCIAL AND TECHNICAL PROPOSAL

#### ANNEX - D

## TECHNICAL AND FINANCIAL PROPOSALS FOR THE OPERATION, MAINTENANCE, PLANNING AND DEVELOPMENT OF THE PROJECT

The technical and financial proposals for the operation, maintenance, planning and development of the DHA City project are appended herein below.

#### Item No. 15

## Technical and Finical Proposals in Reasonable detail for the Operation, Maintenance, Planning and Development of the Facility or System in respect of Distribution Service

#### **TECHNICAL PROPOSAL**

#### 1. FUNCTIONAL DEPARTMENTS OF DISCO

A typical Distribution Company has following departments for its Technical operation, maintenance, planning and development of the facility, for the ease in working as per its task and scope:-

- TECHNICAL DEPARTMENT
- OPERATIONS DEPARTMENT
- METER TESTING DEPARTMENT
- POWER DISTRIBUTION CONTROL (PDC) DEPARTMENT
- BILLING AND METER READING DEPARTMENT
- CUSTOMER SERVICE DEPARTMENT
- SAFETY DEPARTMENT
- FINANCE / LEGAL DEPARTMENT
- ADMIN DEPARTMENT
- HR DEPARTMENT

#### 2. TECHNICAL DEPARTMENT

#### TASKS:

- Technical specification of the equipment/material.
- Standards/codes to be followed for design parameters.
- Planning of Power distribution as per NEPRA codes/Regulations (primary, secondary and tertiary).
- Performance test/evaluation of supplier's equipment.
- Procurement Plan for infrastructure material, accessories and others.
- Execution/Construction of the proposed plan and undertaking of Expansion Plans.

The Department shall comprise of:-

- Planning & Design Dept.
- Standards/Specification Dept.
- Material Management Dept.
- · Project Execution/Construction Dept.

#### 3. OPERATIONS DEPARTMENT

#### TASKS:

- Operation and maintenance of distribution system.
- Operation and maintenance of Sub-Transmission and Grid.

#### The Department consists of the following:-

#### Operation and Maintenance (Distribution System)

The Operation and Maintenance (Distribution) is responsible for smooth operation and maintenance of the electrical distribution system at 11 kV and 400/220V i.e upto end consumer. Policy guidelines, schedules and authorization for maintenance of feeders are issued to the operating centers in the field and followed by frequent inspections carried out to ensure complete compliance.

The department shall also have a civil engineering team for design, construction and maintenance of all civil works including buildings /Cable Tranches/ Electrical Equipment Foundations/ Switch Rooms etc. The department will carry out below operation and maintenance activities:-

- Day to Day Operation
- System shut downs operation in case of Work/Fault
- Back feeding and restoration operation at Feeder/Distribution transformer.
- Corrective Maintenance
- Preventive Maintenance
- Annual Maintenance

#### Operation and Maintenance (Transmission and Grid Station)

The Operation and Maintenance (Transmission and Grid Station) is responsible for smooth operation and maintenance of electrical network at 132kV including grid stations and transmission lines inside DHAC. The department carries out its functions in the field by issuing guidelines, schedules and authorization of preventive and maintenance programs. The department will carry out below operation and maintenance activities:-

- Monitoring on day to day Operation
- System shut downs operation in case of Work/Fault
- Back feeding and restoration operation at grid transformer.
- Corrective Maintenance

- Preventive Maintenance
- Annual Maintenance

#### 4. METER TESTING DEPARTMENT

The meter testing department carries out testing, calibration and repair/replacement of instruments along with testing, calibration and installation of residential / commercial ToU Energy Meters, CTO Meters, HT BS Meters, VCB relays and related equipment.

In addition Meter testing department will also notify for any abnormal meter performance attributed towards the consumer on account of misuse of energy.

#### 5. POWER DISTRIBUTION CONTROL (PDC) DEPARTMENT

SCADA & Load Dispatch Centre.

The entire network as planned for 132kV shall be monitored, controlled and operated through Load Dispatch Centre having Supervisory Control and Data Acquisition (SCADA) facilities, HMI and Smart Grid System.

SCADA includes.

- Data collection equipment
- Data transmission equipment
- Data monitoring equipment
- Human-machine interface (HMI)

The input is from the field comprising all the equipment relating to 132 kV, transformer, switchgears transmission line cable etc. Through interface cubicle and Remote Terminal Units (RTU), data is transmitted through PLC/Fiber Optical channels which is received in the Master Station, having data processing facilities with SCADA Servers.

SCADA as shown in Figure 1 servers provide full information to the Load Dispatch Centre, through Human-Machine Interface, for monitoring, control and operation of the entire network.

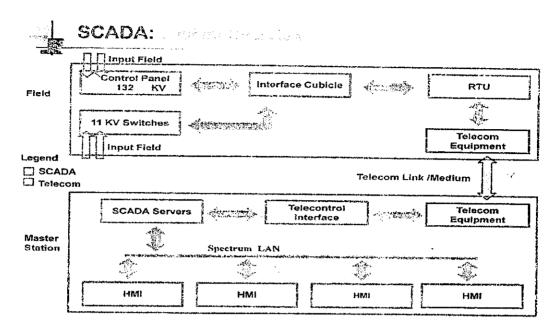


Figure 1: SCADA & LOAD Dispatch Facilities

For integrated power system SCADA facilities are essential as per NEPRA Grid

#### 6. BILLING AND METER READING DEPARTMENT

#### Task:

- Billing and Meter Reading
- Theft Detection
- Recovery & Collection

#### **BILLING AND METER READING**

Meter reading of all the consumers will be carried out on a routine basis each month to record the consumption of energy consumed by each consumer during a given period (billing cycle/billing month). The meter reading is generally taken/recorded by the concerned staff. The meter reading program shall be prepared in such a way that the meters are normally read on the same dates each month.

Taking snapshots of meter readings of all consumer categories is mandatory. Meter readings are taken through mobile snapshots/hand held units to ensure correct readings.

The snapshots of meter reading including Net Metering facility wherever applicable

showing import and export units will be printed on electricity bill. Record of snapshots for twelve months for each consumer shall be kept.

#### Theft Detection

Meter Readers shall also check the irregularities/discrepancies in the metering system at the time of reading meters / taking snap shots and will be reported through discrepancy code. Surveillance program for electricity theft while incorporating countermeasures.

Any theft/discrepancy detected in the meter, the lost energy units will be charged as per NEPRA CSM-21.

#### **Recovery & Collection**

The due date for payment of bills shall be within fifteen (15) days from the issue date of the bills. However, the consumers will have clear seven (7) days from the date of actual delivery of the bill for the purpose of payment.

All Commercial Bank Branches and Post Offices of the respective City/District where connection exists shall be collecting electricity bills from consumers who have been given option to deposit their electricity bills in any designated bank branch/post office. Online payment and payment through ATM Card/Credit

Cards or through cross cheques at designated bank branches can also be made where possible. NADRA KIOSK are also authorized to collect electricity bills.

LPS will be charged on late payment of bill. Consumers default to pay within due date shall be shill be approached through recovery team to avoid disconnection as per the guide lines staed in NEPRA CSM -21.

#### 7. CUSTOMER SERVICES DEPARTMENT

#### Tasks:

- Preparation of standardized Consumer Service Manual (CSM).
- Provision of Service Criteria.
- Resolving customer complaints concerning individual specific or general technical and tariff issues.

- Processing/ sanctioning of various incentives for customers and employees introduced from time to time.
- Implementation of commercial policies
- Monitoring and management practices of recovery process.
- Making Policies and procedures to ensure consumer services.
- Sanction, contract management and monitoring of specialized electricity consumptions.
- Compilation of statistical data and management returns.
- Coordination with IT department for normalizing effective billing program.

#### 8. SAFETY DEPARTMENT

The safety department is an important department in any utility company, it ensures that the system is operated and maintained in compliance with the statuary provisions regarding safety for the employees and the public. Frequent inspection are to be carried out and safety procedures and training are imparted to employees from time to time. Key functions of safety department are:-

- Provision of PPE and SPE for personal.
- Line isolation procedures/policy of live equipment/cable compliance.
- Work permit check.
- Regular safety talks and safety drills.
- Safety trainings to all employees/staff/third party.
- Emergency safety drills.
- Investigation and remedial action on any safety incident.

#### 9. FINANCE / LEGAL DEPARTMENT

The finance department has overall responsibility of managing Finances of the Company and assists management's strategic financial decision making. The department controls financial activities of the company.

Legal department will deal with all Litigation/Court/NEPRA/ Federal Ombudsman matters as against the complaint of consumers.

This Finance/Legal Department shall have:

- Corporate Account Section (corporate A/C, Admin, payroll etc.)
- Corporate Planning & Control Section (Budgeting, Loan management etc.)
- DISCO Accounts section (Pre Audit, payments, funds etc.)
- Field Formation Account Section (Receivables/payables, Financial reporting, Fixed Assets etc.)
- Legal Section (Legal representation in handling matters, Tariff structuring and management of other tariff related matters and dealing with NEPRA from time to time)

#### 10. ADMIN DEPARTMENT

The department shall be primarily responsible for:-

- Logistic and transportation
- Security of assets and personal
- Employee's benefits and medical services
- General administration, office management, inventory of general consumables, office supplies, furniture, lighting and air conditioning and stationary.
- Bill printing and distribution from third party
- Telephone/IT service management
- Scheduled maintenance of office equipment

Janitorial services and hygiene

#### 11. HR DEPARTMENT

Human Resource department shall be responsible for recruitment and placement of the right people to the right job and develop the policies guidelines and procedures for

- Manpower planning/budgeting.
- Recruitment and selection.
- Career planning and promotions.
- · Annual appraisal performance management.
- Employee and grievance and complaints
- · Compensation and benefits administration.
- Training and development.
- Leave policy.
- Disciplinary cases.

#### INITIAL FUNCTIONAL DEPARTMENTS

The typical functional departments of DISCO will take time to establish based on the load/consumers growth. Therefore, to start DISCO activities in an initial setup following departments with limited manpower/third party contract will be made functional, to handle DISCO activities:-

- TECHNICAL DEPARTMENT
- OPERATIONS DEPARTMENT
- BILLING AND METER READING DEPARTMENT
- CUSTOMER SERVICE DEPARTMENT
- SAFETY DEPARTMENT
- ADMIN DEPARTMENT

#### FINANCIAL PROPOSAL

#### **DHAC ELECTRICAL INFRA ASSETS/EXPENDITURE**

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S. No.	Item Description	UNIT	QTY	COST
1	Step up Transformer			
а	7.5 MVA (At Lucky)	Nos.	2.0	20,124,000
ь	1000 kVA	Nos.	1.0	20,475,000
2	Switch Panels		· · · · · · · · · · · · · · · · · · ·	
a	6.3 kV	Nos.	3.0	5,000,000
b	11 kV	Nos.	2.0	4,700,000
3	MV/LV Cables			
а	11 kVA Cable 400mm²	Meter	58,483.50	284,479,209
b	11 kVA Cable 300mm²	Meter	37,664.00	164,103,812
С	MV Cable 630mm²	Meter	1,200.0	11,301,000
d	LV Cable (all different sizes)	Meter	101,988.00	212,632,340
	300,240,185,150,120,70,25 & 16	17.000	101,500.00	212,032,040
4	Ring Main Unit	<del>-</del> , .		<u>.</u>
а	3,4 & 5 Way (RMU)	Nos.	25.0	194,900,000
5	PMU		· · · · · · · · · · · · · · · · · · ·	
a	500kVA with RMU	Nos.	42.00	352,655,250
b	500kVA with KIOSK	Nos.	20.0	143,597,004
С	100kVA	Nos.	19.0	24,726,380
6	KIOSKs	<del></del>	<del></del>	
а	(Switching Station)	Nos.	19.0	119,816,301
7	Switch Room			<u> </u>
а	6.5/11kV & 11kV/400V Civil Cost	Nos.	2.0	6,034,284
8	VCB			
a	11kV	Nos.	6.0	13,330,980
9	Feeder Pillar Box			<del></del> _
а	Polymer Type	Nos.	410.0	701,857,639
b	Fiber Type	Nos.	69.0	40,200
10	Energy Meter	··· -	<del> </del>	
a_	CTO/Three Phase/Single Phase	Nos.	142.0	6,424,400
11	Street Lights/Poles	<del></del>		
а	Solar Street Lights	Nos.	308.0	30,669,200
b	Conventional Street Lights	Nos.	1,404.0	50,769,000
c	Street Light Control Panels (SLCP)	Nos.	11.0	1,856,000
d	Poles (6, 8, 10, 12 & Globes)	Nos.	1,508.0	24,885,500
12	Solar Systems			
a	Solar Systems	Job	3.0	359,056,123
ь	Inverter (Solar Panel)	Nos.	111.0	339,030,123
13	Gen-Sets			
a	30/40/60/150/350/650 kVA	Nos.	27.0	30,084,262
14	Installation	<del></del>		
a	Cable laying and Equipment installation	Cum/cft	237,979.0	409,758,339
15	Earthing			
a	MV/LV Network	Job/Mtr	1,428.0	28,888,595
ı	Total			3,222,164,818
	Withheld and will be released after Closing of Projs			207,605,703
	Amounts Paid	_]		3,014,559,115
16	OCL Consultancy & Design fees			123,924,094
	Total			3,138,483,209
17	Work in Progress + Amount Payable on open Contracts	<u> </u>		619,994,190
	Grand Total For Electrical Infra			3,758,477,399

## VI. FEASIBILITY STUDY

#### ANNEX - E-1

#### **FEASIBILITY STUDY OF THE DHA CITY PROJECT**

Please refer to the documents appended herein below as Annex E-2, E-3, E-4, E-5, E-6, E-7, E-8.

## THE TYPE, TECHNOLOGY, MODEL, TECHNICAL DETAILS, OPERATIONAL CHARACTERISTICS, SYSTEM INTERCONNECTION AND DESIGN OF THE FACILITIES OR SYSTEM PROPOSED TO BE ACQUIRED, CONSTRUCTED DEVELOPED OR INSTALLED

The Type, Technology, Model, Technical Details, Operational Characteristics, System Interconnection and Design of the system are appended below:

Furthermore, the type, technology and technical details for the distribution system are also provided in Annexes F-8, F-9, F-10 and F-12.

#### Item No. 16

## The Type, Technology, Model, Technical Details And Design of The Facilities Proposed To Be Acquired, Constructed Developed or Installed

#### 1. THE TYPE, TECHNOLOGY, MODEL & TECHNICAL DETAILS

#### DISTRIBUTION FACILITY

Type, technology and technical details for Distribution System are given as under:-

#### **DESIGN CRITERIA**

The DHAC Electrical Distribution shall meet following requirements:

- > High reliability
- > Safe operation
- Route protection
- > Redundancy
- > Reliable technology
- > Easy to maintain and troubleshoot
- Environmentally protected
- > Cost effective



#### SYSTEM CONDITIONS

NORMAL SYSTEM VOLTAGE		HV	132,0	000 <b>Vo</b> l	lts
		MV	11,00	00 Volts	5
		LV	400 \	√olts	
HIGHEST SYSTEM VOLTAGE		HV	145,0	000 Vo	lts
		MV	12,00	00 Volts	S
		LV	440 \	Volts	
PHASES:		MV	3		
	## <del></del>	LV	3 (4 )	wire)	
FREQUENCY:		HV/MV/L	-V	50	Hz
RATED SHORT CIRCUIT CURRENT:		HV	50	kA	
RATED SHORT CIRCUIT CURRENT:		HV MV	50 20	kA kA	
RATED SHORT CIRCUIT CURRENT:					
RATED SHORT CIRCUIT CURRENT:  BIL (Basic Impulse Level)		MV	20	kA	
		MV	20	kA	
BIL (Basic Impulse Level)		MV LV	20 46	kA	
BIL (Basic Impulse Level)	  (132 kV)	MV LV 650 75	20 46 kV	kA	
BIL (Basic Impulse Level)  Lightning Impulse Withstand Voltage	  (132 kV) (11kV)	MV LV 650 75	20 46 kV kV	kA	

Page - 2

#### SYSTEM EARTHING

Neutral Grounded through resistor at Grid-Station to limit the earth fault current.

#### **CLIMATE CONDITIONS**

Max Ambient Air temperature		50 °C
Max Daily Average temperature	2000	40 °C
Min Ambient Air temperature	46V4=======	O °C
Max Ambient Air temperature		
on Exposed Horizontal surface		60 °C
Highest Radiation intensity		1000 W/m²
Max relative humidity		95%
Isokeraunic level		9.7 Days/Annum
Altitude		Sea Level
Location	w=====================================	Semi desert
Pollution		Wind-blown sand

#### 2. FEEDER PILLAR BOX

#### Fuse Type FPB

LV Distribution Feeder Pillar Boxes (6, 8, 10 Way) shall be used for providing service connection to consumers. The incoming & out going circuits shall be of 4 core 70/120/240 mm² Cu or 4 core 95/150/300 mm² Al armored cables as per load requirement and shall be connected at incoming & outgoing main HRC detachable Fuses of 315 Amps. The fuse bases shall be of same rating as fuses.

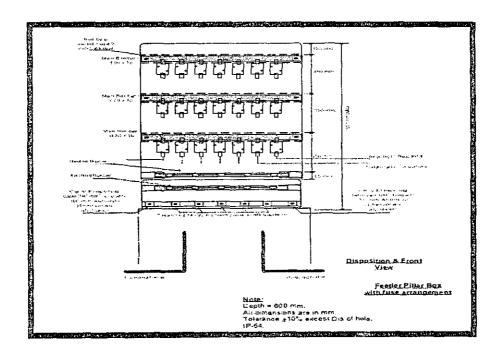
#### **BUS BAR:**

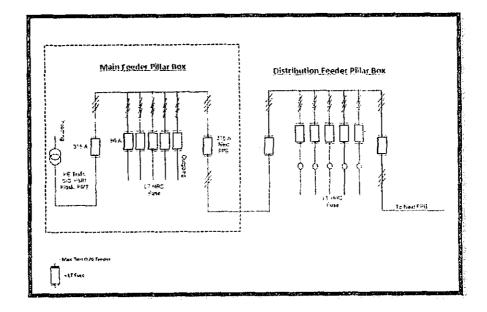
Bare Aluminum bus bars shall be installed. The bus bars shall be marked with Red, Yellow, Blue, Black & Green (R, Y, B, N and Earth) color for identification.

The Aluminum bus bars shall have the following Electrical/Mechanical characteristics as mentioned.

Description	Values	Unit
Material	Aluminum (1350)	
Tensile Strength	80 (Tolerance of -1%)	N/mm Sq
Electrical Resistivity	2.83	M ohm cm
Density	2.70	g/cm3

Typical sample layout for 6 way FPB as below:-





#### MCCB TYPE

The feeder pillar housing shall have front and rear compartment. A suitable sheet of insulating material shall be provided for separation between front and rear compartment. The rear compartment shall contain LV main 600 A TPN+E bus bar, MCCB, CT operated 3 phase, 4 wire electronic AMR Energy meter, set of current transformers.

The front compartment shall contain LV distribution 300 A TPN+ E bus bar outgoing MCCBs for consumer feeders. Incoming MCCB shall be connected between main and distribution Bus bar and distribution bus bar onward shall feed the outgoing MCCBs for consumer feeders. The rear compartment shall contain LV main 600 A TPN + E bus bar, MCCB, CT operated 3 phase ,4 wire Electronic AMR energy meter, set of current transformers. The front compartment shall contain LV distribution 300A TPN + bus bar and outgoing MCCBs for consumer feeders. Incoming MCCBs shall be connected between main and distribution bus bar and distribution bus bar and distribution bus bar onward shall feed the outgoing MCCBs.

#### 3. PAD MOUNTED UNIT (PMU)

This specification describes the design of the **500 KVA** Transformer Pad Mounted Unit to be used in distribution network shall be IP54 compliant, suitable for outdoor use. The pad mounted transformer shall be suitable for installation in the three phase underground 11KV distribution system of the following characteristics:

i.	Nominal system voltage	 11 KV
ii.	System highest voltage	 12 KV
iii.	Frequency	 50 Hz

#### MV COUPLING COMPARTMENT

The enclosures for MV Coupling Compartment for linking the RMU to the 500 KVA Distribution Transformer shall be through insulated Flexible Bus bar arrangement connected to the HT Bushing of RMU and the Transformer HT bushing, and shall be tested for insulation levels:

>	Lightening impulse withstand voltage	75 KV
>	One minute power frequency withstand voltage	28 KV

The MV side shall consist of RMU with the additional features of bushing CTs & transformer current feed time over current relay for protection of the 500 KVA PMU Transformer and wooden cable holding cleat for support of HT cable.

The rating of incoming and outgoing LT TP MCCBs for LT Compartment can be varied as per the need and requirements of load. The LT Circuit Breaker shall comply with the below requirement or as per the loading conditions:-

Option-I (Provision shall be provided for insertion of 240/300 mm2 Lugs)

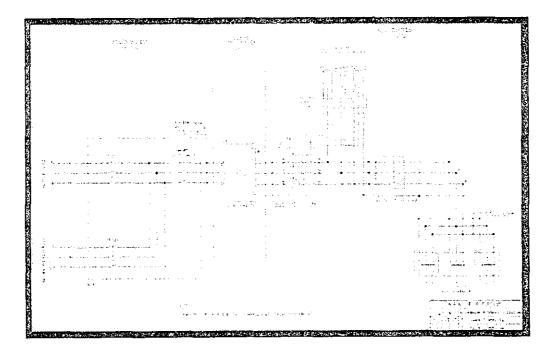
- i. 01 Number TP MCCB 630 Amps LT Circuit Breaker (Incoming)
- ii. 03 number TP MCCB 250 Amps LT Circuit Breaker (Outgoing)

Option-II (Provision shall be provided for insertion of 240/300 mm2 Lugs)

- i. 01 Number TP MCCB 800 Amps LT Circuit Breaker (Incoming)
- ii. 02 Number's TP MCCB 400 Amps LT Circuit Breaker (Outgoing)

PMU rating shall not be limited to 500kVA and with enclosed RMU, it shall vary as per design requirement to 100/200/400kVA PMU.

Typical layout / Single Line diagram of PMU:-



Circuit breaker ratings with corresponding transformer ratings are mentioned in below table:

							1,44
1	10 10 11 10 11 10 11 11 11 11 11 11 11 1	280	14	411 (17) a. 11	15 AL 1 AL 1. 40	Fixed	Fixed @ 10 In
2	15	420	21	17	40	Fixed	Fixed @ 10 ln
3	25	630	34	<b>2</b> 8	40	Fixed	Fixed @ 10 In
4	50	1380	69	55	80	Fixed	Fixed @ 10 In
5	100	2760	133	120	160	0.8 In	5/10 In
5	150	4120	206	165	200	0.8 tn	5/10 ln
7	200	5500	275	220	250	9.8 In	5/10 In
8	250	6880	344	275	4C0	0.8 In	5/10 ln
9	400	11000	550	440	530	0.8 in	5/10 ln
10	500	13760	588	550	800	0.8 In	5/10 ln
11	630	17340	867	594	1000	9.8 In	5/10 ln
12	750	20540	1032	826	1200	0.8 In	5/10 ln
13	1000	27520	1376	1101	1600	0.8 In	5/10 ln
14	1500	41280	2064	1651	** (1x800 1x1600)	0.8 In (Both)	5/10 in (Both)

#### 3. UNDERGROUND LV CABLES:

Equivalent sizes for XLPE aluminum cables against PVC copper cables with reference to the Current Carrying Capacities requirements as given below:

Size (sq.mm)	Ampacity (Amps)	Equivalent Size (sq.mm)	Ampacity (Amps)	
16	69	15	60	
35	108	35	91	
70	158	95	160	
120	216	150	205	
240	314	300	<b>30</b> 3	

Where, Ambient Ground Temperature = 20°C, PVC Correction Factor at 30°C = 0.89, XLPE Correction Factor at 30°C = 0.93, Current ratings are calculated as per **IEC 60364-5-52 2009-10**.

#### 4. SWITCHING STATION

#### **RING MAIN UNIT (RMU)**

This part specifies SF6 insulated metal enclosed ring-main unit designed for indoor use for alternating current of 630A at rated voltage of 12kV and 50Hz frequency. The equipment is required for MV distribution network for ring and T-Off.

The ring main unit shall conform to the following IEC standards: 62271-1. 62271-100, 62271-102, 62271-103, 62271-200 (latest applicable) and other relevant standards

#### TECHNICAL SPECIFICATION FOR RMU

#### 1. 11KV bus bar

İ.	Material	Copper
ii.	Current carrying capacity	
	a. @ 40 deg C	630 Amps
	b. @ 50 deg C	570 Amps
iii.	Short time rating current	20kA for 3 sec
iv.	Bus bar insulation	SF6

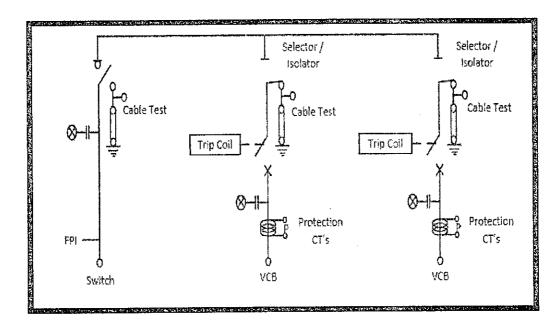
#### 2. High Voltage Switch

i <i>.</i>	Nominal system voltage	11 kV
ii.	Highest system voltage	12 kV
iii.	Highest voltage for equipment	12 kV
iv.	Rated impulse withstand voltage	95 kV
V.	One minute power frequency withstand voltage	38 kV

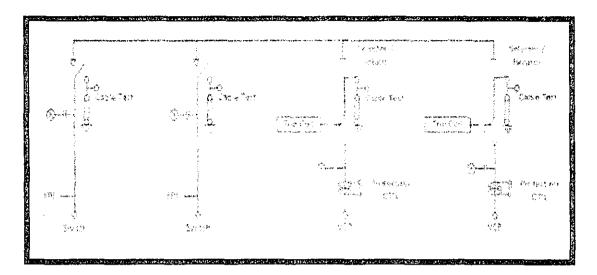
vi.	Rated frequency	50 Hz			
vii.	Rated normal current	630 Amps			
viii.	Rated short-time current	20 kA for 3 sec			
ix.	Rated peak withstand current	50 kA			
X.	Rated short circuit making capacity	50 kA			
xi.	Insulating gas	SF6			
xii.	Endurance Class (As per IEC 62271-103 latest publication)				
	a. Mechanical Endurance	M2(5000)			
	b. Electrical Endurance	E3			

Typical layout diagram of RMU:-

#### 3-Way 2 Side Protection RMU



#### 4-Way 3 Side Protection RMU



#### **Kiosk Sub Station**

The kiosk substation shall be compact and outdoor type design.

- The kiosk sub- station shall have four (04) compartments each one shall house the equipment as under.
  - i. MV VCB Switchgear panels- Three Numbers
  - ii. Oil filled distribution transformer-kVA Rating 1000/750/500
  - iii. LV panel

The Kiosk shall be complete in all respect with inter connection between MV switchgear and MV distribution transformer and between LV side distribution transformer and LV panel.

#### 5. GENERATION FACILITY

Following are the Power Sources/Generation available at DHAC Karachi:-

- (i) 1.5 MW of PV Solar Power Generation
- (ii) 1.61 MW of Diesel Generation (Backup)
- (iii) 5 MW, 2 x feeders form M/s Lucky Cement Ltd via KE.

Following are the various sources of Power Generation (currently under consideration):

- (i) Solar 1.5 MW with backup batteries
- (ii) Wind 3 x 2 MW turbines
- (iii) 132 kV external power source

Following are the various sources of Power Generation (long Term design consideration):

- (i) Solar 50 to 60 MW
- (ii) Wind -- 50 MW
- (iii) Bio-mass/organic waste 40 MW
- (iv) External (Conventional) 350 MW

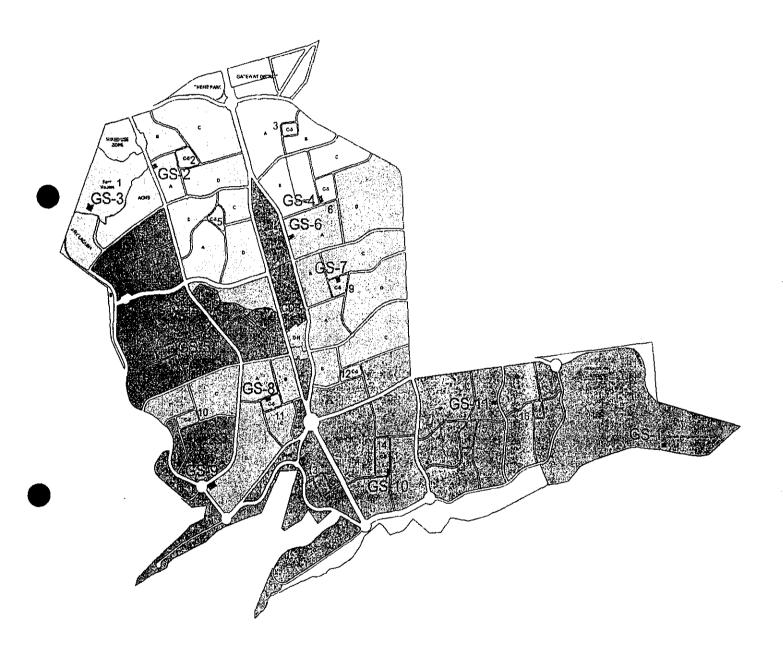
## DESIGN OF THE FACILITIES PROPOSED TO BE ACQUIRED, CONSTRUCTED DEVELOPED OR INSTALLED

Layout design of the facility are as under:-

- 1. Grid locations for DHAC (S) is attached as Annexure-A.
- 2. Typical Single line Diagram of 132kV GIS Grid Station as Annexure-B.
- 3. Typical layout plan of 132/11kV GIS Grid Station as Annexure-C
- 4. MV/LV of design for DHAC (S) sector 1, 2, 3, 7, & 14 attached as Annexure-D.

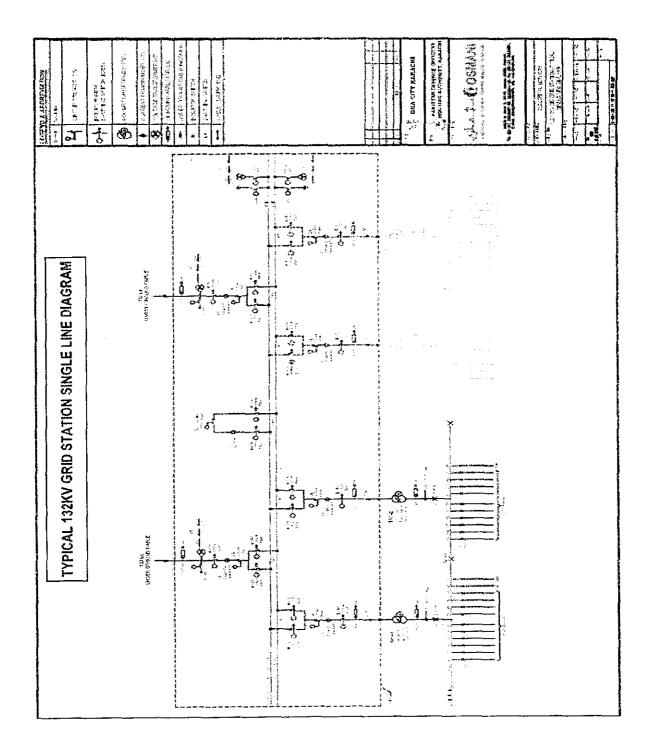
#### Annexure-A

## GRID LOCATIONS FOR DHAC (South):



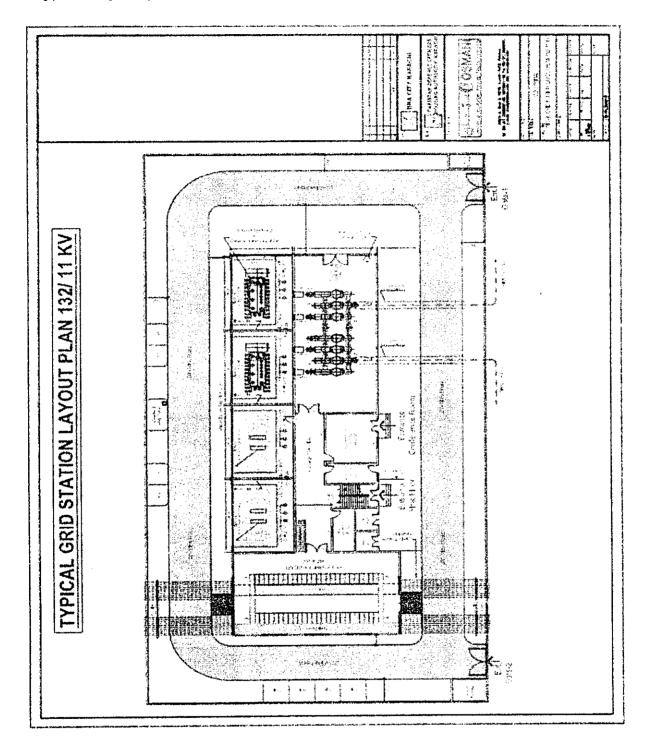
## Typical Single line Diagram of 132kV GIS Grid Station

#### Annexure-B



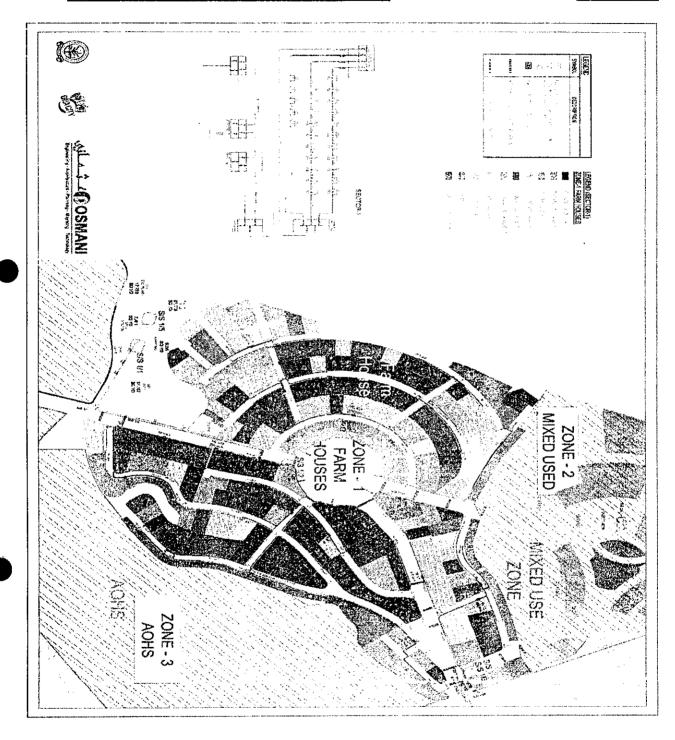
## Typical layout plan of 132/11kV of 132kV GIS Grid Station

#### Annexure-C



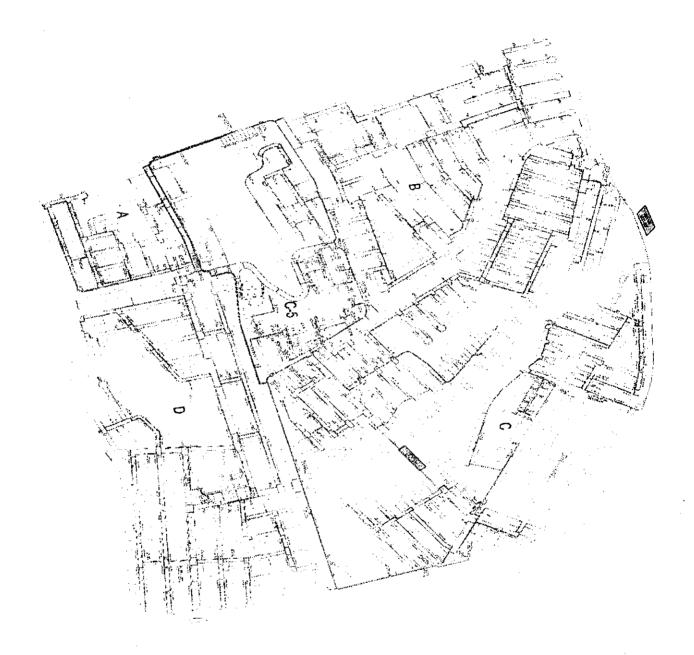
## SECTOR-01 LV & MV Master Plan:

#### Annexure-D

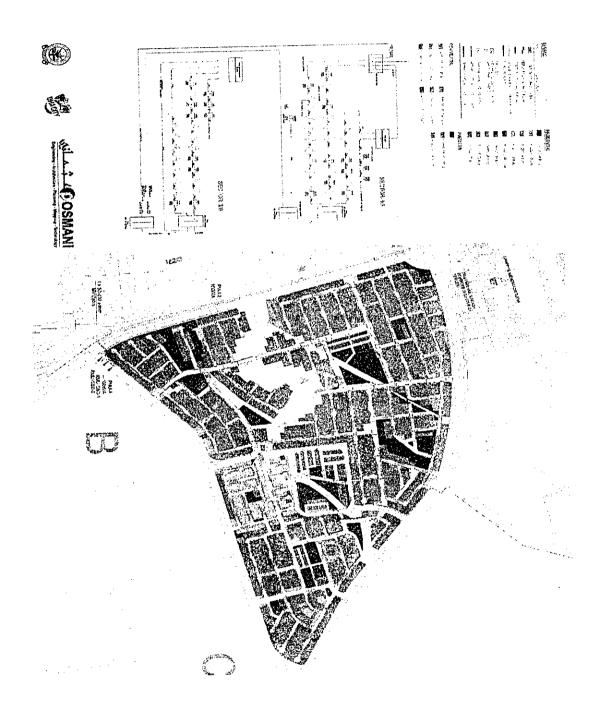


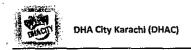


## Sector-02 LV & MV Master Plan:

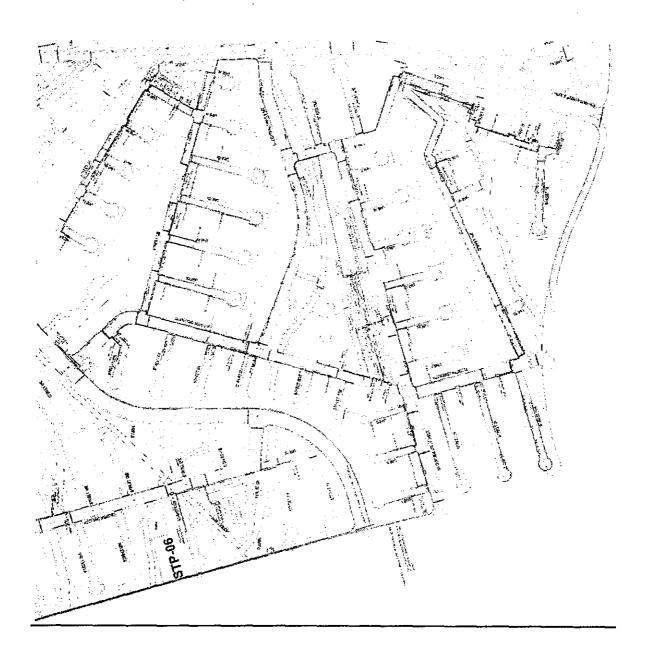


## Sector-03 MV & LV Master Plan:



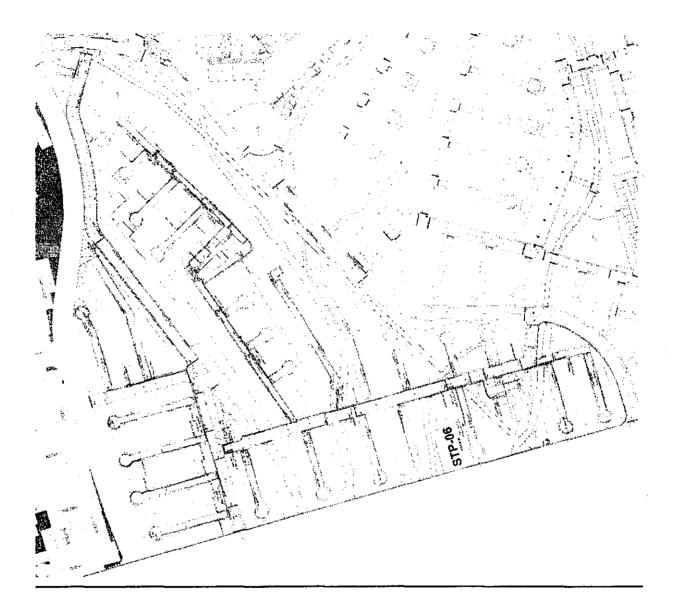


## Sector-05A MV & LV Master Plan:



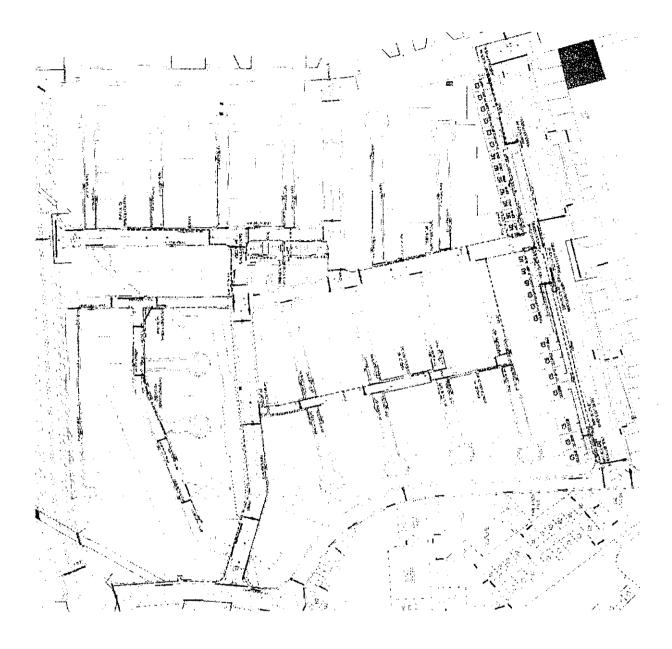


## Sector-05B MV & LV Master Plan:



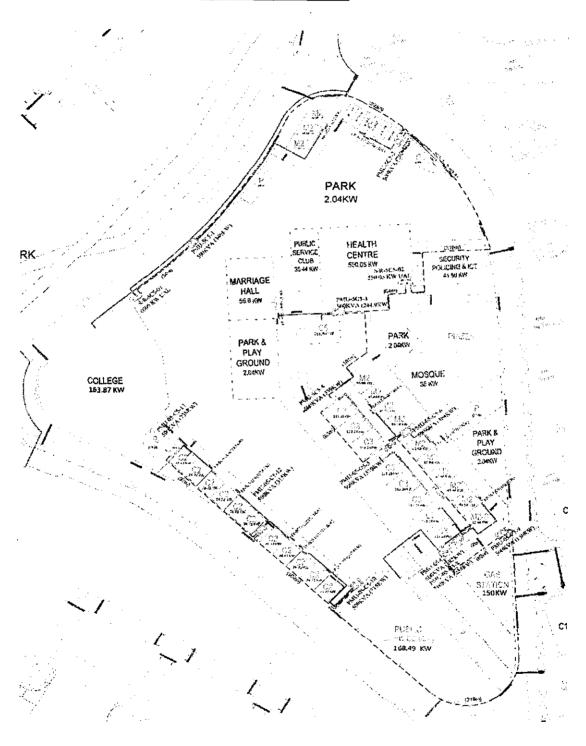


## Sector-05C MV & LV Master Plan:



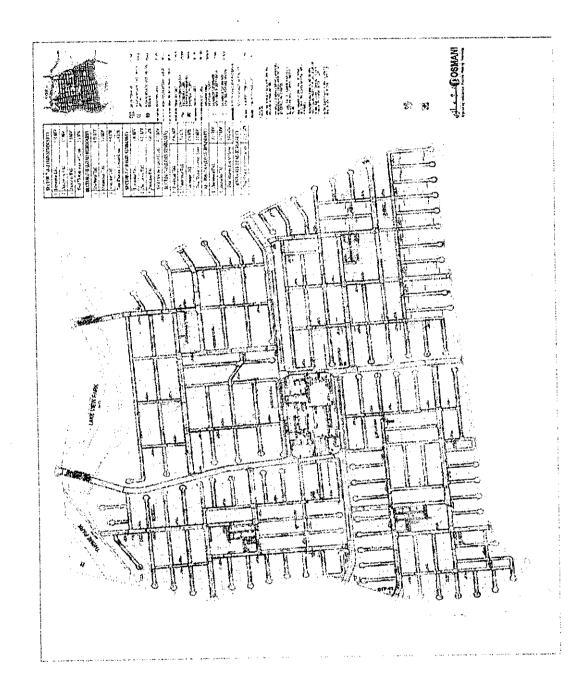
## Sector-05 C-5 MV & LV Master Plan:

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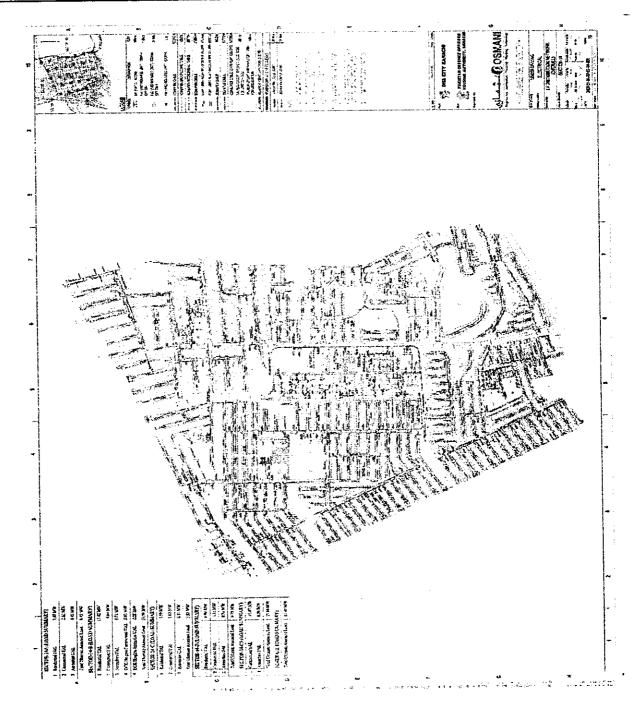


## Sector-07 MV & LV Master Plan:





## Sector-14 MV & LV Master Plan:



## ANNEX - E-3

#### THE EXPECTED LIFE OF THE SYSTEM

The expected life of the system will be approximately **30 years**. Please see the document appended herein below.



#### Item No. 17

#### **Expected Life of The Facility or The System**

The type and technology that is being considered under the prevailing state of the art technology where design will correspond to an expected average life of minimum 25 to 30 years based on equipment characteristics. Depreciation of 20 years is kept under consideration as per NEPRA CSM-21. However with strong corrective and preventive Maintenance the expected life will be determined on actual basis under optimum loading of the system components.

#### ANNEX - E-4

## THE LOCATION OF THE SYSTEM, OR THE TERRITORY WITH OUTER BOUNDARIES WITHIN WHICH THE SYSTEM IS PROPOSED TO BE INSTALLED AND OPERATED BY THE LICENSEE, ALONG WITH MAPS AND PLANS

The DHA City is a real estate project located in North-East Karachi which aims to provide a premium residential facility to cater to that region. DHA City is built on national and international standards with all public facilities required for a modern city.

DHAC North (9,864 acres) and DHAC Shuhda Land (902 acres). It has an uneven, rocky terrain in the Northeast (NE) and Southeast (SE) region whereas Southwest (SW) and Northwest (NW) are mostly plain and even regions.

Map of the DHA City is provided herein below.

#### Item No. 18

The Location of The Facility Or System, or The Territory With Outer
Boundaries Within Which The Facility or System Is Proposed To Be
Installed And Operated By The Licensee Along With Maps And Plans

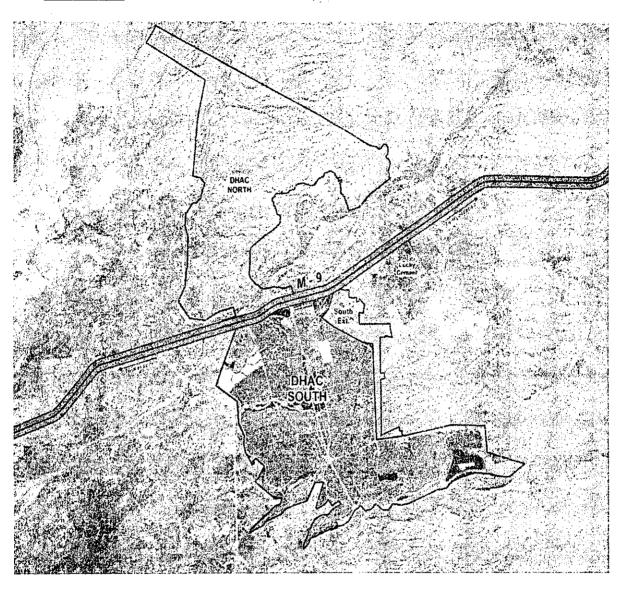
#### 1. Location of the Territory with Outer Boundaries

The Pakistan Defence Officers Housing Authority (DHA) has acquired new land for development of state of the art housing project known as DHAC Karachi, located approximately 55 kilometer from Karachi on Main Super Highway M-9 with Hyderabad city at 112 kilometer.

DHAC is distributed in three major areas namely DHAC North (9684 acres), DHAC South (11,680 acres) and DHAC South Extension (902 acres). Development of the total area, spread over 22,446 acres, inclusive of all infrastructure is the responsibility of DHAC following the design of Consultant(s) for development in phases, where individual houses/commercial complexes shall be built by the owners who have purchased or leased the land in their name.

Location plan with outer boundaries where system and facilities are to be installed is as below:-

## 2. Area Map



#### **FUEL TYPE AND AVAILABILITY**

The fuel type and availability of DESCO is appended herein below.



#### Item No. 19

#### **Fuel Type and Availability**

In order to have a strong environmental control/ impact over the licensing territory. Fuel type will be as under for various sources of generation by DHAC:

1) Solar Power Generation No fuel required

2) Wind Power Generation No fuel required

3) External Generation Only transmission line

4) Bio Fuel generation Bio Material/ Organic Waste

#### ANNEX — E-6

# INFRASTRUCTURE PROJECT COST, FINANCING PLAN, FINANCING TERMS, TARIFF CALCULATIONS AND ASSUMPTIONS OF FINANCIAL CALCULATIONS INCLUDING ECONOMIC/FINANCIAL ANALYSIS

Please see the document appended herein below.

#### Item No. 20

## Infrastructure Project Cost, Financing Plan, Financing Terms, Tariff Calculations And Assumptions of Financial Calculations Including Economic/Financial Analysis

DHAC Karachi is being developed to be the first fully energy self-sufficient, large-scale residential project in Karachi and the provision of a reliable electric distribution and supply is key to ensuring the viability of DHAC as a project. The goal of energy self-sufficiency at DHAC will also help reduce the load on the overburdened national grid and set a precedent for similar residential projects across Pakistan.

In pursuit of its objectives of energy self-sufficiency and to meet its present electricity needs, DHAC has already established a 1.5 MW renewable energy generation capacity through solar power. In addition, due to the absence of KE's network within DHAC jurisdiction, DHACs management has planned to source power directly from Lucky Cement (through KE). Till date. DHAC has installed and sponsored two 7.5 MVA power transformers at Lucky Cement (LCL) and laid two 11 kV underground cables, covering approximately 5 km from LCL to DHAC. A significant portion of the electrical distribution network has already been established across several sectors of DHAC. DHAC has already incurred substantial Capex amounting to approximately PKR 3.50 billion to develop the distribution and supply infrastructure, which can handle a capacity of up to 6.5 MW. It is imperative to highlight that this capacity is projected to meet the electricity demands of DHAC residents for the next five years. Furthermore, a letter of comfort has been obtained from Lucky Cement, confirming the availability of up to 5 MW of power, and DHAC is in the advanced stages of finalizing a Power Purchase Agreement (PPA) with Lucky Cement. By integrating the power generation through traditional and renewable energy sources, DESCO will ensure the reliable and uninterrupted supply of electricity to residents.

The power distribution and supply infrastructure will primarily be financed through DHA's own equity, with additional funding support from banks (if required overtime). Letters of comfort from DHA partner banks including UBL, and Silk Bank provides additional comfort ensuring



access to debt financing for the project's expansion and for its network system (in case if required for expanding distribution and supply infrastructure network overtime).

Obtaining the distribution and supply license from NEPRA is a strategically essential step to bridging the power gap in DHAC. Once distribution and supply license application will be awarded to DESCO by NEPRA, DESCO will provide detailed tariff calculations at the time of tariff petition ensuring compliance with NEPRA's regulatory requirements. Securing this license will enable DHA DESCO to deliver on its mandate of providing reliable, sustainable power while supporting long-term energy stability and growth in DHAC.

## **ANNEX - E-7**

#### THE TYPE AND DETAILS OF THE SERVICES PROPOSED TO BE PROVIDED

The type and details of the services proposed to be provided are appended herein below.

#### Item No. 21

#### The Type and Details of The Services Proposed To Be Provided

Services proposed to be provided shall include professionally handling of all issues relating to:

- i. 220/400 Volt LV supply to residential/commercial/parks/place of worship etc.
- ii. 11 KV MV Bulk supply where single point meter is required to Institutions/ Malls Hospitals/Commercial buildings/Banks/Hotel/Recreational Facility etc.
- iii. The services shall be un-interrupted power supply to DHAC residents/ consumers throughout the year.
- iv. Maintaining Quality of Power with respect to voltage deviation, frequency variation, and Harmonics etc.
- v. Safety standards and its implementation.
- vi. Operation of electrical system with high reliability & availability.
- vii. Maintenance of system with least power outages and durations.
- viii. Customer services.
- ix. Billing after providing power connections to consumers.
- x. Tariff structuring and management of other tariff related matters and dealing with NEPRA from time to time.
- xi. Preparation of performance reports.
- xii. Maintenance of data and records in respect of provision of electrical power services.

#### ANNEX - E-8

#### THE ENVIRONMENTAL IMPACT OF THE SYSTEM

The environment impact is covered within the Environmental Impact Assessment (EIA) of the DHA City project, as approved, which is appended herein below.

#### Item No. 22

#### Environmental Impact of The Proposed Facility, System or Project

#### 1. Environmental impact of the proposed facility, System or Project

The DHAC Karachi has been envisioned as 'the First Sustainable City of Pakistan', which will probably serve as a model for the future independent cities in the country and abroad. The aim has been to plan and build a city, which provides its citizens a safe, comfortable, efficient and beautiful lifestyle which is also environmentally sustainable. This project will be completed through an unprecedented exercise involving 100+ national and international experts using latest international standards and GIS technology. DHAC would bring both DHAC and Pakistan on the international map of Sustainable cities development.

Sustainability identifies "a development that looks at a site's natural land, water and energy resources as integral aspects of the development", and DHAC planners have aimed and achieved a Master Plan that fits on the definition of a sustainable city.

#### 2. Sustainable city

One of the main goals of DHAC is to adopt a holistic and sustainable design and planning approach. In order to achieve reduction of CO₂ emissions, it is essential that energy demands both from buildings and infrastructure are kept at minimum level. The city therefore would operate with less energy, part of which will be generated on-site from low carbon and renewable energy resources (Solar, Wind, Bio mass)



The main concepts for DHAC sustainable master planning are:-

- > Energy demand reduction
- > Use of renewable energy sources both in public and private sectors.
- > Provision for strategic locations for heat sinks (lakes-forests-green areas)
- Provision for shading from trees/ buildings.
- > Provision for efficient planning to benefit from prevailing winds.

Within this context the master plan aims to create a basis for sustainable community for healthy living by addressing the following parameters:-

- Building Sustainability.
- > Integrated Transport system.
- > Waste and water management.
- Natural landscape.
- > Healthy living.
- > Economy.

#### DL AddI Item No. 1

## **Environmental and Social Soundness Assessment Study/Report**

DHAC have their own land for establishment of DESCO and ESSA study is covered in EIA report at the time of project inception and approved by SEPA.



Returence No EPN20/21/2/17/E/

## ENVIRONMENTAL PROTECTION AGENCY

GOVERNMENT OF SINDH Piot # ST-2/1, Sector 23, KIA, Katechi-74006 Phr 5055340, 9066598, 5065931 5065532, 9065946, 5065621 epasingh@cyber.net.p. Facsinite: 5085940

Dated 30-94-2013

#### DECISION OF ENVIRONMENTAL IMPACT ASSESSMENT (ETA).

Name & Address of Proponent:

The Project Director, DHA City

Nurachi

Description of Project:

Construction on approximately 11,640 scies (47.10 sc km), total 53,000 plots offered to accommodate about 600,060

17-12-2012

Location of Project:

people
DHA City is situated around 56 km from the city, Kurachi-Hyderabad Super Highway in Gudup Town at the eastern border of Karachi, bordering Thatta District in the South and Jumshero District in the East.

Date of Filing of EIA:

- 5. After careful review and analysis the lineironmental Impact Assessment (EIA) report. the Environmental Protection Agency (EPA). Sendh has decided to accord its Approval subject to the following conditions:
  - ì. The recommendations of EIA study report including the environmental management and monitoring plan will be strictly adhered by the proponent
  - The proponent shall hire as Independent Monitoring Consultant (IMC) having expertise in carrying out Environmental & Social Impact monitoring. IMC ìż. shall monitor the implementation of proposed activities during construction The report of the same shall be submitted to SEPA on quarterly basis.
  - iíž. The project should be built and designed with energy efficient approach with minimum cooling and heating requirements in consideration of utilizing funlight and wind. Options for energy efficient building materials should be explored in order to achieve conservation of matural resources.

Rain water harvesting system will be incorporated into project design, the details of which must be submined to this effice for informations

Always Remember ... Reuse, Reduce of Respete

- v. The proponent shall ensure that no unfortunate incident(s) are caused due to construction and operation of project. The cost of damage to the environment, property or life of the people/workers shall fie on the proponent.
- vi. The approval is accorded only for the project activity described in the EIA report. Proponent shall submit separate EIA/IEE as required for development of any component which is provided in EIA/IEE Regulations 2000.
- vii. A comprehensive traffic management plan from Karach: to project area shall be developed to facilitate commuters and vehicular movement in and around project site, same will be submitted to EPA Sindh accordingly.
- viii. The proponent will follow current building byelaws/regulations and the construction plan approved by the competent authority which must include seismic structural and geo-technical analysis. Proponent will follow Sectoral Guidelines for Housing Estates and New Town Developments.
- ix. A comprehensive waste management plan shall be developed for effective disposal of construction waste. Solid waste will be collected, transported and disposed of by following the current practices of Municipal Agencies. A dedicated waste management contractor shall runninge handling and appropriate disposal of solid waste.
- x. During construction phase demolition, earthmoving and ground-impacting operations shall be phased to avoid the cumulative effect of their noise and vibration. Engineering design of the vibration and sound producing equipment such as generators, chillers, numps and other machineries together with housing such units in soundproof enclosures with right location and provision of adequate vibration democrars in the foundation design of the units shall be adopted as an effective in minimizing the noise levels and vibration impact.
- xi. All fuel storage tanks should be made to an international standard and will be inspected by third party for lenkage and other damage.
- xii. For all engineering designs, NFPA (National Fire Protection Authority) codes will be followed. Standard fire and smoke detection and protection devices such as alarms, sprinklers, fire hoses and hydrants will be provided at all critical locations in building.
- xiii. No untreated effluent will be released to the environment. A dedicated domestic wastewater treatment plant will be constructed to comply with NEQS. The proponent shall ensure that emissions/effluents from project site do not pose an unacceptable risk to human health or become nuisance to the neighborhood.

- xiv. Construct the buildings in accordance with UCP Zone 211
- xv. Proponent will introduce indigenous vegetation species along RoW of proposed access soutes and in public parks that requires less water, drip irrigation or shaded plantings. Avoid plantation of exotic/invasive species in landscaping, in parks and along RoW of proposed and existing access routes. Details of budget allocated for environmental improvement of the area including plantation shall be submitted to this office accordingly.
- xvi. DHA City management will facilitate EPA Officer(s)/Official(s) as and when required for inspection of compliance status against the provisions of Pakistan Environmental Protection Act, 1997, rules and regulations framed there under and the conditions laid down in this approval.
- xvii. After every three months from the date of issuance of this approval, development of the project will be reviewed jointly by the Environmental Protection Agency, the Independent Monitoring Consultant and the proponent with a focused to implementation of Environmental Management Plan.
- 6. This approval shall be treated cancelled if any of the conditions, mentioned in para-5 above is violated. In follow up of the cancellation of this approval prosecution under the provision of Pakistan Environmental Protection Act, 1997 will be initiated against the proponent.
- The proponent shall be liable for compliance of Regulations 13, 14 and 18 of EIA/IEE Regulation, 2000.
- 8. The proponent shall be liable for compliance of Regulations 17 of EIA/IEE Regulation, 2000, which permits the authority i.e. Environmental Protection Agency to enter, inspect and monitor the development of the project so that the conditions are effectively monitored.
- This approval does not absolve the proponent of the duty to obtain any other
  approval or consent that may be required under any other law in force.
- 10. All the environmental conditions of this approval will be incorporated in the terms and conditions of tender document and will be component of health safety and environment policy in the project for commitment and compliance.

11. Any further condition may be levied by the EPA Sindh any development stage project which would be complied by the proponent in letter & spail

Natem Abmed Mughal Director General

## VII.

## **DETAILS OF THE SUPPLY SYSTEM**

## ANNEX — F-1

## **RELEVANT FEEDER MAPS**

Feeder maps are provided herein below.

## Feeder Maps, Number of Consumers and Expected Load

DHAC is a large planned city spread over an area of **22446 acres**. It will accommodate a large population which makes to its high power demand. The total estimated Electrical Load for DHAC (inclusive of DHAC South, DHAC North & DHAC South Extension) has been assessed based on criteria defined in NEPRA CSM 2021 (along with clarification issued dated 26 Mar 21 & 21 Nov 23), is estimated as **2325.55 MW** with Ultimate Assessed Load as **1775.5MW**. Where DHAC South is planned and DHAC North & DHAC South Extension are under planning.

DHAC South comprises 16 sectors, where residential area is segregated into 4 to 7 sub sectors namely as A, B, C, D, E, F & G with commercial areas into two separate areas for each sector namely as C3, C4 and C5 categories. In addition DHAC South also has a Central Business District (CBD) where all large scale commercial activities have been placed altogether.

To meet the total load of DHAC South the entire sectors load have been distributed by establishing 11 x Grid Stations across different locations within DHAC South service area. A total of 32 power transformers rated at 31.5/40 MVA capacity will be utilized for the purpose for switching voltage level from 132kV to 11kV. Distribution Network shall have an estimated 395 numbers (approximate) of 11 kV feeders shall be laid.

Page - 1

SL Addl Item # 1



### Details of Estimated load for DHAC is as under:-

DHAC	Area (Acres)	Assessed Load (MW)	Ultimate Assessed Load (MW)
DHAC (South)	11680	1210.2	924
DHAC (North)	9864	1021.9	780.2
DHAC (South Ext)	902	93.45	71.3
Total	22446	2325.55	1775.5

## Detailed Load DHAC (South):

Sectors	Assessed Load (MW)	Ultimate Assessed Load (MW)		
Sector-1	150.68	137.86		
Sector-2	59.73	43.37		
Sector-3	29.55	21.62		
Sector-4	32.06	23.03		
Sector-5	43.56	32.12		
Sector-6	115.45	82.73		
Sector-7	53.82	38.95		
Sector-8	16.90	11.91		
Sector-9	63.98	46.72		
Sector-10	52.37	38.20		
Sector-11	51.17	36.43		
Sector-12	57.19	39.56		
Sector-13	54.63	40.37		
Sector-14	85.22	62.51		
Sector-15	48.93	35.25		
Sector-16	27.49	19.76		
CBD	213.86	169.09		
Shaukat Khanum Memorial Hospital	8.6	8.6		
Health Care City Tentative)		20		
Outlet Malls (Tentative)	45	36		
Campsite (Tentative)				
Total	1210.19	924.08		



## No. of Consumers of DHAC is as under in particular to PLANNED DHAC South:-

	NO. OF CONSUMERS	
	RESIDENTIAL	COMMERCIAL
DHAC (SOUTH)	44395	4589
DHAC (NORTH)	37493	3529
DHAC (South Ext)	3429	292

## **Feeder Mapping**

Feeder Mapping Details for Planned **DHAC South** with sub sector(s) to feeders to GS(s) is as below along with SLD upto end consumer on sample basis:-

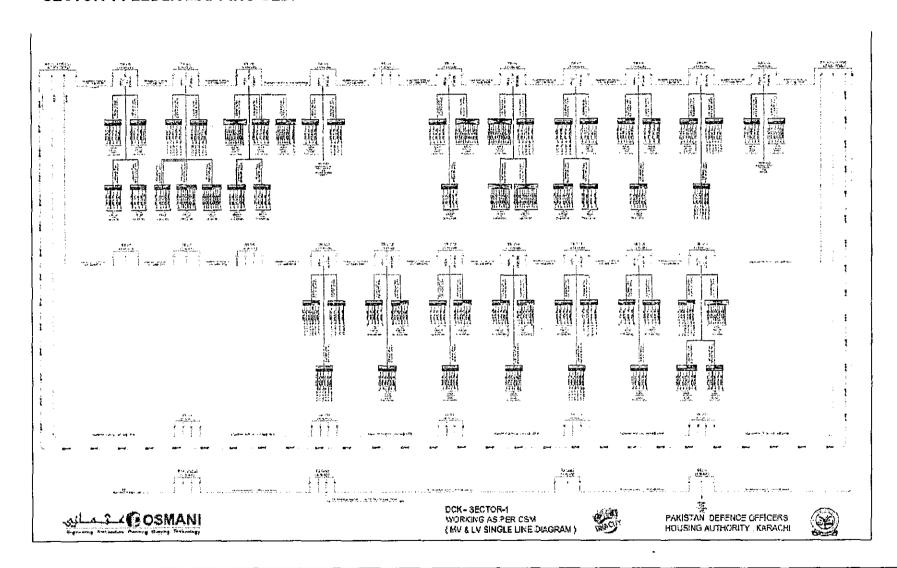


SECTOR NAME	SUB SECTORS	ULTIMATE ASSESSED LOAD (MW)	# OF FEEDERS	GRID		
	Farm Houses	15.18	3	GS-3		
Sector - 01	Mixed Used Building	23.68	5	GS-2		
Sector - 01	Army Housing Society	45.00	8	GS-3		
	ARY Laguna	54.00	10	03-3		
	C-5	9.16	2			
	Sub - Sector A	3.71	1.			
Sector - 02	Sub - Sector B	5.23	1	GS-2		
	Sub - Sector C	18.23	4	1		
	Sub - Sector D	7.04	2			
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Sector - 03	Sub - Sector - B	4.91	1	GS-3		
	C-5	4.97	1	• •		
<u> </u>	C-5	4.97	1			
	Sub Sector - A	3.66	1			
Sector -04	Sub Sector - B	2.76	1	GS-5		
	Sub Sector - C	3.95	1			
	Sub Sector - D	6.50	2	4 1		
	Sub Sector - E	1.19	1	GS-3		
	C-5	4.00	1			
Sector -05	Sub Sector - A	7.622	2	GS-2		
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	Sub Sector - D	10.52	4 <u>.</u>	GS-4		
	C-5	15.39	3	GS-4 GS-7		
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Sector -06	Sub Sector - B	6.15	2	and the second control of		
	Sub Sector - C	7.18	2	GS-4		
	Sub Sector - D	25.75	5	GS-7		
	DHA LAND (GOTH ALLAHBAD)	19.17	4	GS-4		
	C-5	6.55	<u>2</u>			
	Sub Sector - A	8.55	2			
Sector -07	Sub Sector - B	6.94	2	GS-5		
	Sub Sector - C	7.39	2			
	Sub Sector - D	9.52	2			
	Sub Sector - A	4.74	1			
	Sub Sector - B	3.42	1	GS-5		
Sector -08	Sub Sector - C	1.65	1	43-3		
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Sector -09	Sub Sector - B	4.62	1	GS-7		
	Sub Sector - C	11.05	2			
	Sub Sector - D	12.69	3			
	C-5	9.07	2	GS-8		
	Sub Sector - A	1.80	1	GS-9		
Sector -10	Sub Sector - B	4.77	1	ec e		
	Sub Sector - C	8.59	2	GS-8		

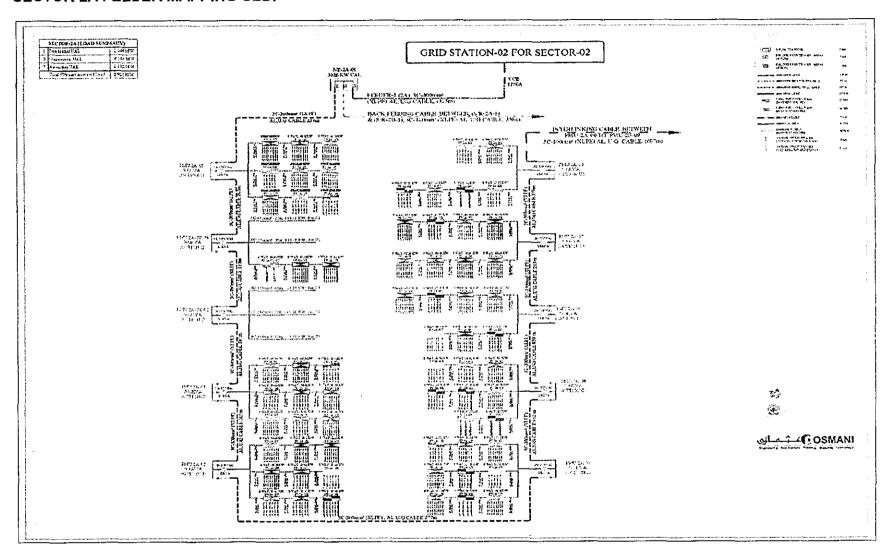
Total		924.0734	203	1			
OGDCL	Campsite (Tentative)	23	:	<u>:</u>			
OGDCL	Outlet Malls (Tentative)	36	· : 7	:			
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	CBD-1	20	; 4	GS-7			
		110	20	GS-6			
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	Sub Sector - B	1.32	1				
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	Sub Sector - D C-5	3.42	1				
	Sub Sector - C	4.46	1				
Sector -15	Sub Sector - B	3.79	1	33-11			
C 4F	Sub Sector - A	14.21	3	GS-11			
	C-5	5.84	1	:			
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	Sub Sector - D	3.36	1	"			
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	Sub Sector - A	8.39	2				
MANUSCO CONTRACTOR OF THE STREET	C-5	16.57	3				
	Sub Sector - F	1.64	1				
	Sub Sector - D	1.03	1	:			
Sector -12	Sub Sector - C	10.85	2	GS-9			
Sector -13	Sub Sector - C	7.10	2				
	Sub Sector - B	6.95	2	-i			
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	Sub Sector - C	6.54	2	GS-10			
Sector -12	Sub Sector - B Sub Sector - C	10.90	2	GS-7			
Costor 17	Sub Sector - A	5.53	1	73-10			
	C-5	9.97	2	GS-10			
	Sub Sector - E	9.35 6.62	1	GS-7			
	Sub Sector - D	9.35	2	GS-9			
		10.01	2	*.			
Sector -11	Sub Sector - B Sub Sector - C	2.77	1	<b>43-6</b>			
	Sub Sector - A	4.57 3.14	1				
	C-5	6.59	1	• ;			
	Sub Sector - E	2.76	1				
	Sub Sector - D	11.21	2	GS-9			



#### **SECTOR-1 FEEDER MAPPING SLD:**

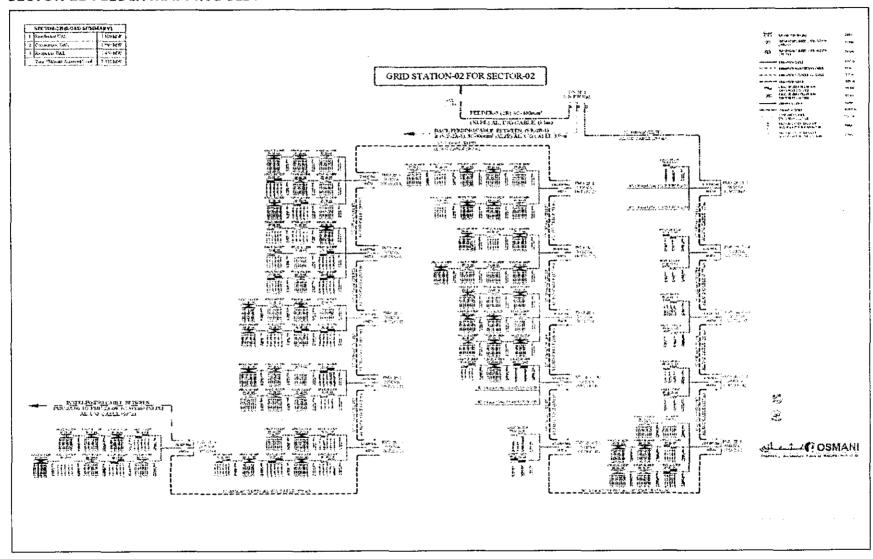


#### **SECTOR-2A FEEDER MAPPING SLD:**



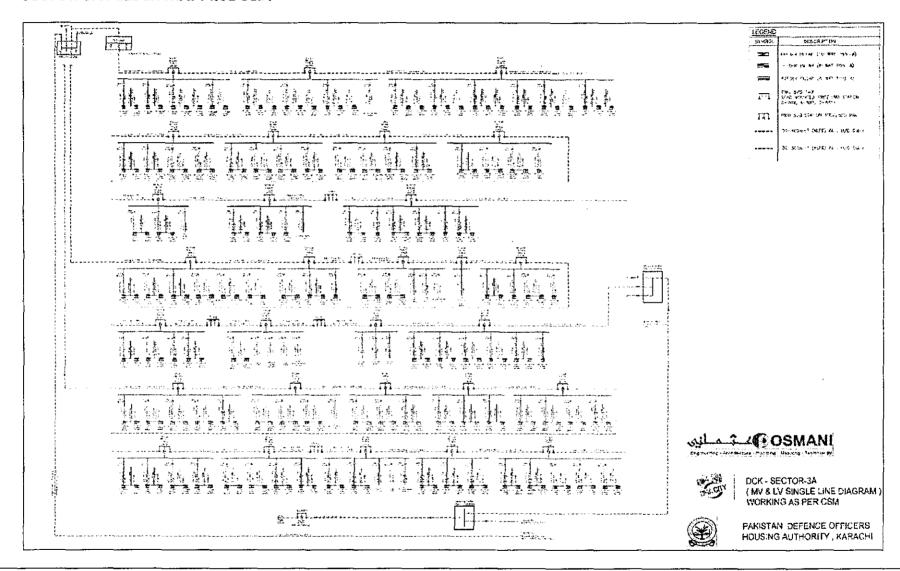


#### **SECTOR-2B FEEDER MAPPING SLD:**

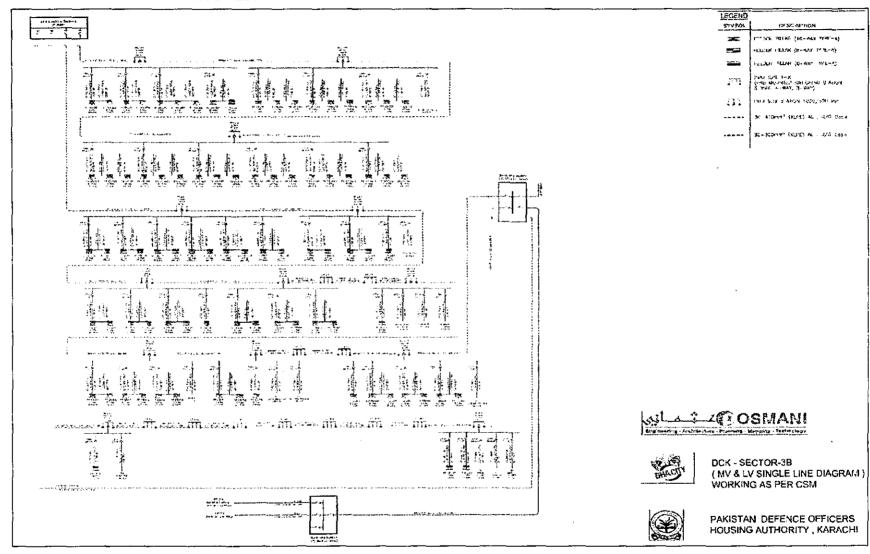




### **SECTOR-3A FEEDER MAPPING SLD:**

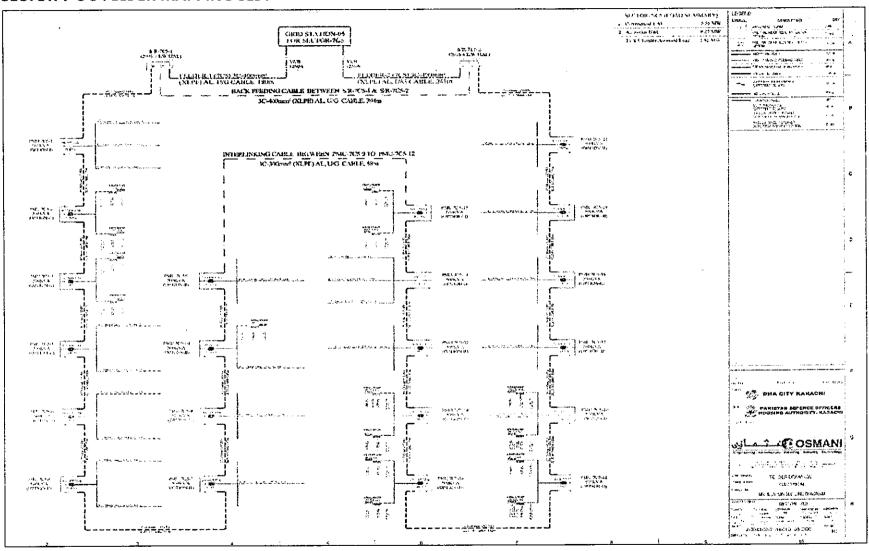


#### **SECTOR-3B FEEDER MAPPING SLD:**



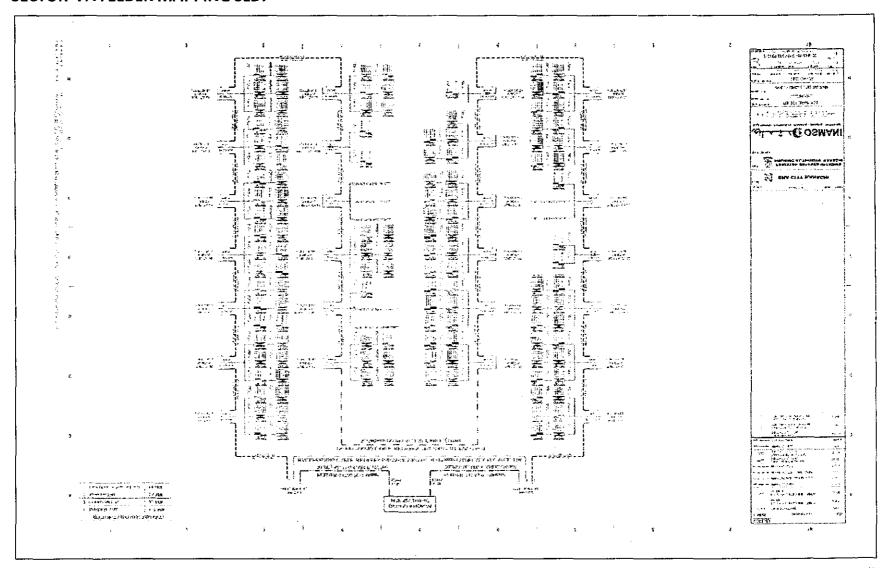


#### **SECTOR-7 C-5 FEEDER MAPPING SLD:**

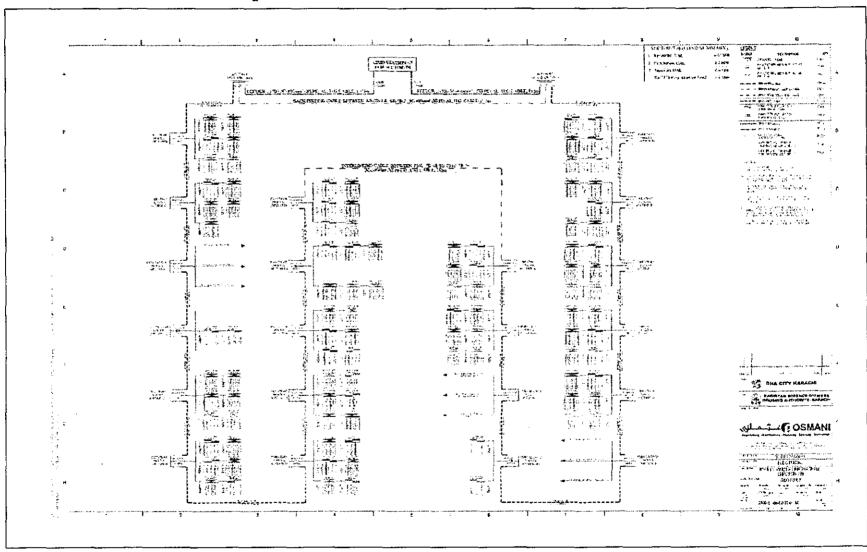




#### **SECTOR- 7A FEEDER MAPPING SLD:**



## **SECTOR- 7B FEEDER MAPPING SLD:**



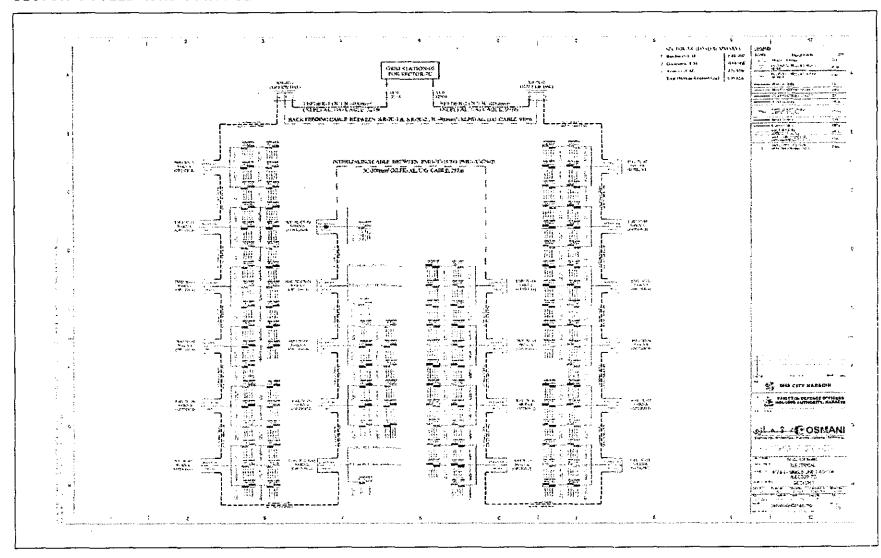
OSMANI RIAA Barker Gillete EY Ford Rhodes Page - 13

SL Addl item # 1
Feeder Maps, Number of Consumers & Expected Load

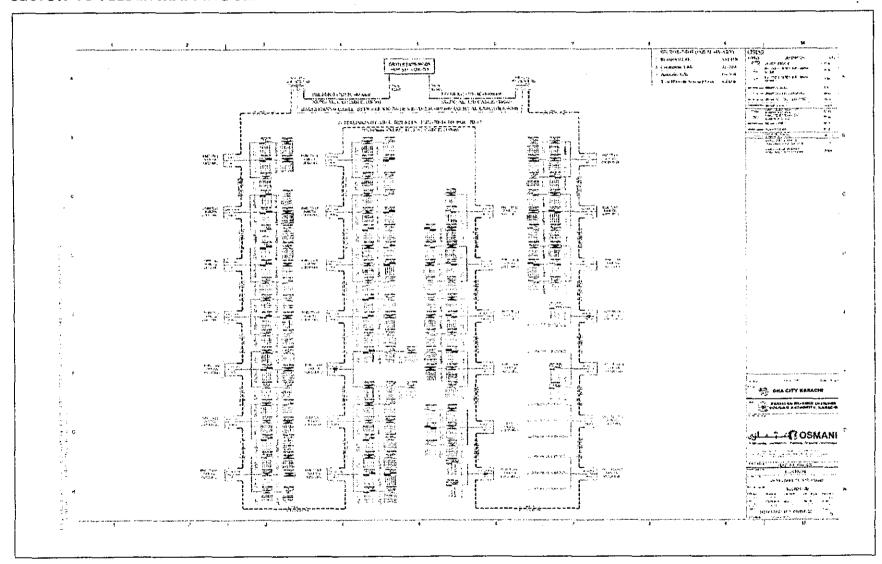
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### **SECTOR-7C FEEDER MAPPING SLD:**

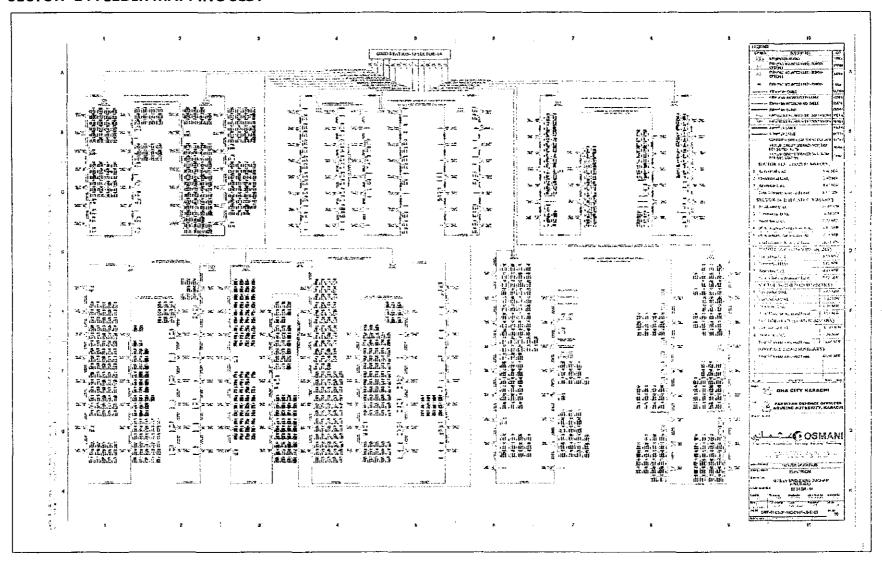


#### **SECTOR-7D FEEDER MAPPING SLD:**





#### **SECTOR- 14 FEEDER MAPPING SLD:**



## ANNEX - F-2

# CONSUMER CATEGORY ON THE BASIS OF SANCTIONED LOAD AND VOLTAGE LEVEL AND TARIFF CATEGORY

The supply of electric power to DHA City will be for two types of consumers i.e., residential and commercial in nature.

The details of consumer category on the basis of sanctioned load and voltage level along with the tariff category are appended herein below.

## Consumer Class/Category, Sub-Category on The Basis of Sanctioned Load And Voltage Level

## 1. CONSUMER CLASS/CATEGORY, SUB-CATEGORY ON THE BASIS OF SANCTIONED LOAD AND VOLTAGE LEVEL

DHAC is a non-industrial city being developed, purely for residential and commercial purpose usage. It shall be comprising following category of units:-

### LT Supply

#### Residential

- o Individual Houses
- Residential Apartments
- o Farm Houses
- o Employee Accommodation

#### Amenities

- o Place of worship
- Parks
- Parking areas
- o Public Toilets
- Bus stand
- Play ground
- Pumping Stations
- Nursery
- Graveyard

#### Commercial

- o Schools/Colleges
- o Banks
- o Offices
- o Shops
- o Clinics
- o Community Hall
- o Health care center
- o Commercial Restaurants
- o Hotels
- o Market

### **Bulk Supply**

#### Commercial 400/230

- o Super Market
- o Theme Park
- o Petrol Pumps
- o Hotel
- o Commercial Restaurants
- Marriage Hall
- o Health care

#### Commercial 11kV

- University/Educational Institutes
- Super Market
- o Commercial Plaza
- o Commercial Hospitals
- o Golf Club
- Adventure Park
- o Hotel

## Tariff Category of Consumer Classes to be Served

#### 1. TARIFF CATEGORY OF CONSUMER CLASSES TO BE SERVED

Tariff category of consumer classes as defined by NEPRA are as under:-

## LT Supply

Consumer Class
Individual Residential
Commercial
Temporary Residential for Construction purpose
Temporary commercial for Construction purpose
Public Street lights

## **Bulk Supply**

Tariff	Consumer Class
C-1	Commercial Single Point Supply at 400 V
C-2	Commercial Single Point Supply at 11 kV

# 12- MONTH PROJECTIONS ON EXPECTED LOAD, NUMBER OF CONSUMERS AND EXPECTED SALE OF UNITS

The details of projections for 12-months on expected load, number of consumers and expected sale of units are appended herein below.

## 12-Months Projections on Expected Load, Number of Consumers and Expected Sale of Units for each Consumer Category

DHAC is presently being developed for DHAC South, while other are at planning stages. Based on current load and forecast for 12 months, below are the details:-

## 12-Months Projections on Expected Load

	12 Month Projection on Expected Load (2024)												
S.No	TYPE	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
1	Residential	513	525	538	550	563	575	588	600	613	625	638	650
2	Commercial	802	824	847	870	893	915	938	961	983	1006	1029	1052
3	Amenities	355	360	364	369	373	377	382	385	390	395	399	404
Tot	al Load (kW)	1670	1709	1749	1788	1828	1868	1907	1947	1986	2026	2066	2105

## **Number of Consumers**

	Number of Consumers (2024)												
S.No	TYPE	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
1	Residential	308	313	318	323	329	335	341	347	353	359	365	371
2	Commercial	32	32	32	34	34	36	36	39	39	41	42	44
3	Amenities	19	19	19	20	20	21	22	23	24	25	26	27
Tot	al Consumers	359	364	369	377	383	392	399	409	416	425	433	442



## **Expected Sale of Units for each Consumer Category**

	Unit Sale for Each Consumers Category (2024)												
S.No	TYPE	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
1	Residential	92,621	88,157	55,862	79,876	108,116	154,202	106,477	98,400	107,516	151,122	123,003	107,739
2	Commercial	144,890	138,438	88,044	126,332	171,563	245,467	170,007	157,565	172,637	243,294	198,526	174,312
3	Amenities	64,227	60,412	37,847	53,524	71,681	101,190	69,180	63,320	68,545	95,479	77,036	66,906
Total	Unit Sale (kWh)	301,738	287,007	181,753	259,733	351,359	500,859	345,664	319,285	348,699	489,895	398,566	348,956

## ANNEX - F-4

## **DEMAND AND CONSUMPTION PATTERN ON DIFFERENT TIME PERIODS**

The demand and consumption pattern on different time periods is appended herein below.

#### Demand and Consumption Pattern on Different Time Period

#### 1. DEMAND AND CONSUMPTION PATTERN ON DIFFERENT TIME PERIOD

DHAC is the state of art developing city where people all around the country and globally are showing their interest. At initial stages the demand and consumption pattern was low, however with the passage of time and as the development work increased manifold the demand and consumption of electrical load are gradually increasing. As the load requirement grows to a substantial level then generation, followed by external connectivity of EHV as planned will be made available to meet the demand.

The electrical load demand and consumption is based on the development strategy, implementation and need as per the requirement. Since in DHAC at present DHAC South has massive infrastructure developed and has become livable with residents and commercially activities.

Demand and Consumption Pattern in Different Time Period(s) for DHAC South is assessed as under:-

ı				5 years projecti	on					
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Demand (KW)	1,630	2,105	2,782	3,797	5,291	7,387	8,936	10,471	12,362	14,650
Consumption (KW)	1,630	1,895	2,364	3,038	4,232	5,909	7,149	8,377	9,890	11,720

Figure 0-1: Dernand and Consumption Pattern in Different Time Period(s)

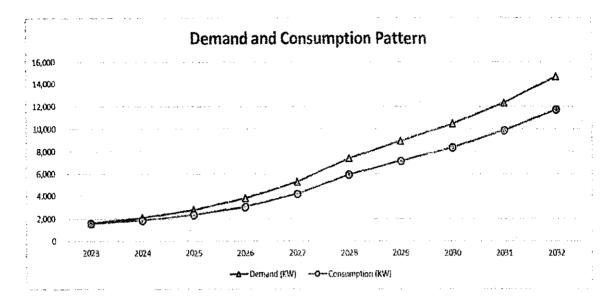


Figure 0-2 Demand and Consumption Pattern

## ANNEX - F-5

## PROCUREMENT PLAN FOR MEETING EXPECTED LOADS

The proposed procurement plan for meeting expected loads is appended herein below.

## **Procurement Plan for Meeting Expected Loads**

## PROPOSED PROCUREMENT PLAN

	B	114	2024	2025	2026	2027	2028
Sr. #	Description	Unit	Qty	Qty	Qty	Qty	Qty
1	3 core 400 mm² AL, XLPE / PVC / SWA / PVC 15 kV	Rm	4,750	6,770	10,150	14,940	20,960
2	(Excavation, Laying, Testing & comissioning)	Rm	4,750	6,770	10,150	14,940	20,960
3	3 core 300 mm² AL, XLPE / PVC / SWA / PVC 15 kV	Rm	3,800	5,416	5,416	11,952	16,768
4	(Excavation, Laying, Testing & comissioning)	Rm	3,800	5,416	5,416	11,952	16,768
5	Straight through joint, 3 Core 400 mm²	Sets	16	23	34	50	70
6	Straight through joint, 3 Core 300 mm²	Sets	13	18	18	40	56
7	Terminaton Kits 3 Core 400 mm²	Sets	4	4	4	4	8
8	Terminaton Kits 3 Core 300 mm²	Sets	4	6	8	12	16
9	HT Cable marker	Nos	86	122	156	269	377
10	Civil construction of MV switch room 15' x 15'	Nos	1	1	1	11	2
11	VC8 Panel With Metering	Nos	4	4	4	4	8
12	PAD MOUNTED UNIT 500kVA	Nos	2	3	4	6	8
13	4 core 300 mm² Al, XLPE / PVC / SWA / PVC	Rm	2,400	3,600	4,800	7,200	9,600
14	(Excavation, Laying , Testing & comissioning)	Rm	2,400	3,600	4,800	7,200	9,600
15	4 core 150 mm² AI, XLPE / PVC / SWA / PVC	Rm	2,400	3,600	4,800	7,200	9,600
16	(Excavation, Laying , Testing & comissioning)	Rm	2,400	3,600	4,800	7,200	9,600
17	Termination kit 4 Core 300 mm²	Sets	24	36	48	72	96
18	Termination kit4 Core 150 mm²	Sets	24	36	48	72	96
19	Polymer Feeder pillar Box	Nos	24	36	48	72	96
20	Earthing	Jobs	28	42	56	84	128
21	Energy Meters	No's	442	595	746	901	1,286
22	Consumer Cable	Mtr	17,680	23,800	29,840	36,040	51,440

# 5-YEAR INVESTMENT PLAN INDICATING SCHEMES/MODELS/FRAMEWORK FOR UNDERTAKING SUPPLY OF ELECTRIC POWER

The investment plan for 5 years indicating schemes/models/framework for undertaking supply of electric power is appended herein below.

## 5 - Year Investment Plan Indicating Schemes/ Models/ Framework For Undertaking Supply of Electric Power

Years	Description	Status of Completion
1-2	2 x 11kV feeders laid (1 x feeder energized) under KE billing with supply from Lucky Cement under agreement.	90% completed
	11 kV distribution network (approx. 55km) along with transformers of different capacity (approx.75 No.) energized at different sectors along with LT distribution.	
	Street lights solar and conventional at major streets.	
	Additional work in progress for spreading electrical infrastructure at various sectors.	65% Completed
2-3	Energization of 2 nd 11 kV feeder.	Proposed
	11kV NW extension in other sectors as per development strategy.	
	Provision of PMU/FPB for consumer supply at different sectors.	
) 	Provision of metering system for end consumers.	
	Street lights installation at major streets as per development plan.	
3-5	Extension of 11 kV to other phases of DHAC (South)	Proposed
	Evaluation of peak load demand for optimizing electrical infrastructure.	1
	11kV NW laying in other sectors as per development.	
	Provision of PMU/FPB for consumer supply at different sectors.	
	For load exceeding the projection alternate/ renewable/additional feeder from power generating company.	

## ANNEX - F-7

## TRAINING AND DEVELOPMENT PROCEDURES AND MANUALS

The training and development procedures and manuals are appended herein below.

## Training and Development Procedures and Manuals

Training and development of power distribution systems involves various activities aimed at enhancing the skills, knowledge, and competences of employees. Trainings shall be planned for all levels of Staff/Employee including refresher trainings throughout the year with a detailed program to develop skills and mind setting on approach to variety of tasks.

Following are some key aspects that shall be part of planning

## 1. Technical training (Operation and Maintenance staff training and development programs):

Power distribution companies require specialized technical knowledge. In house training focus on areas such as electrical systems, substation operations, grid management, power quality, and safety protocols.

Important maintenance Protocols, procedures and operation manuals of grid station/distribution system shall be developed and shared to the company employees along with on hands training. Operation and maintenance training of all relevant equipment like Circuit breakers, power transformer, current and voltage transformer, protection relays, line isolation, MV/LV fault tracing and jointing, pressure test etc.

The training of the staff shall also comprises on operations, instrumentation and testing, including control, switchgear and metering equipment.

The trainings of HV/MV feeders and distribution lines laying and maintenance including Earthing systems and its routine testing and measurement shall be part of priority training programmed for the staff.

#### 2. Leadership and Management Development:

In house training programs for managers can focus leadership skills, decision-making, project management and strategic planning.

#### 3. Safety Training and Procedures:

The potential risks involved in working with power distribution infrastructure, safety training is crucial. Employees shall be trained on electrical safety practices, hazard identification, personal protective equipment (PPE) usage and emergency procedures. Safety manuals shall be part of training programs.

#### 4. Consumer Service Training:

Power distribution companies interact with consumer regularly. Consumer service training can equip employees through service manuals with the necessary skills to handle inquiries, resolve complaints and effectively communicate with customers.

#### 5. Cross-Functional Training:

Employees can benefit from understanding various functions within the power distribution company. Cross-functional training can enhance teamwork, collaboration with other department/divisions, and a better understanding of the overall organization.

#### 6. Regulatory and Compliance Training:

Power distribution companies are subject to follow regulatory requirements. Training programs shall educate employees on compliance with regulations, standards and procedures related to safety, quality and environmental practices.

#### 7. Continuous Learning:

In order to encourage a culture of continuous learning and professional development opportunities for employees to attend workshops, conferences and pursue additional certifications shall be provided.

It is important to tailor training and development programs to the specific needs of employees and the company's goals.

Page - 2

# ANNEX - F-8

# **CONSUMER SERVICE MANUAL**

Please see the document appended herein below.



### SL Addl Item No. 9

# **Customer Service Manual**

Consumer Service Manual of Distribution System shall be prepared and submitted by the proposed DISCO after acquiring Distribution and Supply Licences.

# BILLING AND COLLECTION PROCEDURES (INCLUDING PROVISIONS FOR REMOTE METERING)

The details of the billing and collection procedures of DESCO are appended herein below.

#### SL Addl item No. 10-b

## **Billing and Collection Procedures**

## 1. Billing and Collection Procedures

#### Billing

- All consumers shall be mapped/distributed over billing cycle for ease in meter reading and distributed collection dates based on guideline as provided in NEPRA CSM-21.
- All meter readings shall be photographed and reading shall be printed on the bill.
- Any anomaly noticed will also be communicated to consumer and same will be reflected in bill if other than Normal category.
- In addition Automatic Meter Reader (AMR) shall be introduced in DHAC along with advance metering Infrastructure.
- Special customized MIS system will be introduced for auto billing and uploading units consumed.
- All meter reading shall be on customized devices with auto upload into main system for reading units and billing.
- Electricity bills shall be printed, covering all details as specified in NEPRA CSM-21.

#### Distribution

- Distribution of bills at consumer premises shall be performed by Distributor Vendor as per the billing cycle.
- Distributor shall deliver the bills at consumer premises within a day of receipt of bill.

- Electricity bills shall also be made available on web site for downloading and payment by consumer.
- Electricity bill shall also be sent through sms service for consumer notification to pay in time.
- Where consumer opts to get e-bill then electricity bill shall be sent on registered e-mail address of the consumer.

#### **Collection Procedure**

- The due date for payment of bills shall be within fifteen (15) days from the issue date of the bills. However, the consumers will have clear seven (7) days from the date of actual delivery of the bill for the purpose of payment.
- All Commercial Bank Branches and Post Offices of the respective City/District where connection exists shall be collecting electricity bills from consumers who have been given option to deposit their electricity bills in any designated bank branch/post office.
- Online payment and payment through ATM Card/Credit Cards or through cross cheques at designated bank branches can also be made where possible
- Where payment is made via cheque/bank draft/pay order, consumer shall deposit it to the bank branch at least three working days prior to due date so as to ensure realization within due date.
- In order to avoid Late Payment Surcharge (LPS), consumers shall pay their bills within due date.

# ABILITY TO ACCESS CONSUMER METERING SYSTEMS AND OTHER SERVICES/EQUIPMENT

Please see the above information appended herein below.

#### SL Addl item No. 10-c

# Ability to Access Consumer Metering System and Other Services/Equipment

#### 1. ABILITY TO ACCESS CONSUMER METERING SYSTEM AND OTHER SERVICES/EQUIPMENT

It is the responsibility of the Consumer to provide safe and accessible location to DISCO for installation of metering system/equipment. All consumers shall have AMR meters installed at their premises, all access to metering shall be provided by the consumer to ensure it is safe, readable, and any irregularity in meter can be detected by the meter reading /meter inspection team. All provision shall be carried out in accordance with NEPRA CSM-21.

Following will be ensured by the DISCO while installing meter/equipment for ease in ability to access as and when needed:-

- The consumer service data shall be traceable by computerizing each customer that shall be tagged from meter/premise to corresponding Feeder Pillar Box to PMU to RMU to Feeder and Grid Transformer.
- DISCO shall have qualified team to access meters/equipment as per routine check/requirement.
- All meter reading/test gadgets shall be made available to the meter reading/testing team.
- PPE/SPE use shall be made mandatory to comply with safety standards.
- All Meter(s) shall be placed outside the premises at a height easily accessible/readable by the DISCO.

- Gas and water lines should be away from the meter location.
- Where number of meters are more, as in case of Multistory building, consumer shall provide a meter room/area inside premises ensuring safety for placement of all meters with check meter and bus bar installation for meters connection.
- Where 11kV Bulk supply is provided, consumer shall provide switch room, preferable outside facing road, where metering 11kV VCB panel shall be installed. Keys/custody of all metering stations shall remain under the custody of DISCO.
- All meter/equipment that falls under the O&M of the DISCO shall not be kept at a location by the consumer that is unsafe and/or not easily accessible by the DISCO.
- All outgoing service cable from metering shall remain under the responsibility of the consumer.
- All Consumer(s) shall provide wiring test report from Electrical Inspector before any energization of the connection.
- Consumer shall follow all the safety standards for internal connections as per safety codes and safety standards defined by NEPRA.

## **ANNEX - F-11**

#### PROPOSED SERVICE TERRITORY

DHA City is located at located at the North-East of Karachi and is accessed by Karachi Hyderabad Super-Highway M-9. DHA City Karachi spreads over an area of 22,446 acres with categorized DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC Shuhda Land (902 acres).

Proposed service territory is appended herein below.

The service territory is also shown at Annex E-4.

#### SL Addl item No. 10-a

## **Proposed Service Territory**

#### 1. PROPOSED SERVICE TERRITORY

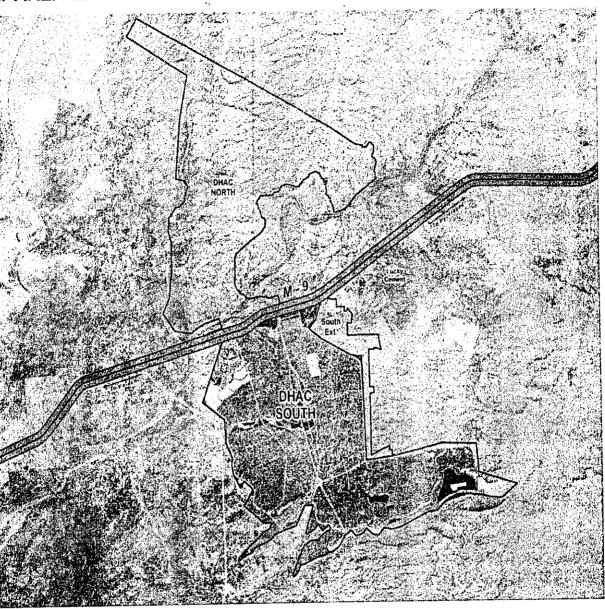
DHAC is towards the North East of Karachi and is accessed by Karachi - Hyderabad Super Highway M-9 motorway. DHAC is situated about 55 km from the Karachi city Centre, 26 km from the Karachi Toll Plaza and about 112 km from Hyderabad.

DHAC spreads over an area of 22,446 acres and is categorized in three major areas as DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC South Extension (902 acres). It has an uneven rocky terrain in the Northeast (NE) and Southeast (SE) region whereas Southwest (SW) and Northwest (NW) are mostly plain and even regions. Development of the total area, spread over 22,446 acres, inclusive of all infrastructure and utilities is the responsibility of DHAC, following the design of Consultant(s) for development in phases, where individual houses/commercial complexes shall be built by the owners who have purchased or leased the land in their name.

The DHAC territory lies in the concessional licensed area of KE and HESCO.

Proposed Service territory is shown as attached:-

# 2. AREA MAP



# **ANNEX - F-12**

## **EMERGENCY PROVISIONS AND PROTOCOLS**

The information with respect to the emergency provisions and protocols is appended herein below.

#### SL Addl item No. 10-d

## **Emergency Provisions and Protocols**

#### **EMERGENCY PROVISIONS AND PROTOCOLS:**

Emergency provisions and protocols for electrical systems are designed to ensure the safety of personal/Equipment and mitigate the risks during emergency situations. Following measures shall be taken to implement emergency protocols and procedures:

#### 1. Emergency Exit Plans Evacuation and Human Life Safety:

Emergency exit routes, building evacuation plan, human life safety, Ambulance services, and First Aide services shall be part of emergency and safety protocols.

#### 2. Emergency Response Plan:

An emergency response plan, outline procedures shall be followed during power related emergencies including communications, evacuation plans and contact information for emergency services.

#### 3. Emergency Maintenance Shut Down Plan:

Clearly defined protocols shall be in place for shutting down specific electrical systems or equipment during emergency maintenance plan to prevent further hazard or damage to equipment/system.

#### 4. SCADA Based High Speed Monitoring and Control System:

SCADA based high speed control and monitoring plays important role to cut off supply in case of electrical fire break up. Early detection of hot-spot and detection of fire shall be employed to avoid big loss. Also communication system will be designed to minimize reporting time to limit the loss.

#### 5. Fire Alarm System:

Fire Alarm shall be placed to initiate any energy situation. In addition smoke/thermal detectors shall be placed to initiate Automatic Alarm for as early warning for evacuation and taking controlling measures.

#### 6. Fire Protection Systems:

Fire suppression systems, such as specialized fire extinguishers, sprinklers or specialized systems like nitrogen injection fire protection systems and electrical fire extinguishers should be in place to combat electrical fire. Fire tenders with latest equipment shall be made available for general firefighting.

#### 7. Overcurrent Protection:

Fast action protection relays, circuit-breakers, fuses can protect against the overloads and short-circuits shutting down affected network to prevent further damage or electrical hazards.

#### 8. Regular Maintenance and Inspections:

Routine inspections, testing and maintenance of electrical distribution systems help to identify potential hazards or equipment failures before emergency occurs.

#### 9. Emergency Power Off:

Power off switches located in easily accessible areas; allow for the immediate switch down of power in emergency situations.

#### 10. Emergency Lighting:

Backup lighting systems such as battery powered lights or stand-by generators shall be installed to ensure visibility during power outages.

#### 11. Back-up Power Sources:

Electrical distribution systems shall incorporate with emergency generators or battery backup systems to provide power during extended outages.

# BASIS OF COMMON SERVICES FOR COMMERCIAL AND RESIDENTIAL CONSUMERS AND THEIR ALLOCATION THEREOF

Basis of common services for commercial and residential consumers and their allocation thereof is appended herein below.

#### SL Addl item No. 10-e

# Basis of Common Services for Commercial and Residential Consumers and Their Allocation thereof

# 1. Basis of Common Services for Commercial and Residential Consumers and Their Allocation thereof

DHAC is a pure Residential City comprising of residential units, commercial units, recreational facilities, common amenities, health care, educational institutions etc.

System is designed to cater all types of connection under Dedicated Distribution System (DDS) and Common Distribution System (CDS). Common services mainly falls under Mixed use category, Multistory buildings and Housing Society, these are but not limited to:-

Mix Use / Multi Story: Where commercial/residential falls under one vertical project or complex of multiple buildings under same project name with one boundary wall. Following will be the basis of common services that is used jointly by Commercial / Residential consumers or separately for commercial and residential consumers, this is to ensure that Commercial and Residential tariff are separately charged:-

- Cargo/Passenger Lift (separate for commercial/residential consumers)
- Escalators (for commercial floors)
- Air Conditioning for Centralized Cooling (separate for commercial/residential consumers, if provided)
- Water Pump
- Washroom lights/blowers etc (for commercial floors)
- Corridors/Staircase lights (separate for commercial/residential consumers)
- Automatic doors (for commercial floors)
- CCTV Camera (where installed)
- Fire Fighting Equipment
  - o Pumps for water hydrants

EY Ford Rhodes

- Smoke Detectors (separate for commercial/residential consumers)
- Fire Alarm System (separate for commercial/residential consumers)
- Parking Lights (separate for commercial/residential consumers)
- Peripheral Lights
- Local Mosque
- Administrative Services office
- Guard Room

Housing Scheme (Boundary walled): Where housing society is providing common services to the residents. Following will fall under common services where commercial activities are located in separate designated areas:-

- Parks light
- Play ground
- Parking Lights
- Peripheral Lights
- Places of Worship
- Administrative Services office
- **Guard Room**
- Water Pumping stations
- CCTV Camera (where installed)

# RIAA Barker Gillette

#### **RIAA Barker Gillette**

RIAA Barker Gillette Chambers 3rd Floor, 65-W, Executive Heights, Block-H, Fazal-e-Haq Road, Blue Area, Islamabad, Pakistan.

T +92 51 2806321

www.riaabarkergillette.com

#### 17.12.2024

#### Director

National Electric Power Regulatory Authority (NEPRA) NEPRA Tower, Ataturk Avenue (East), G-5/1, Islamabad

Dear Sir.

Subject:

Application filed by DHA Energy Supply Company (Private) Limited For Grant of Electric

**Power Supply License** 

Reference: Your Letter No. NEPRA/R/LAS-100/17148 dated 08 November 2024

We write on behalf of DHA Energy Supply Company (Private) Limited ("DESCO") in relation to the supply license application submitted by DESCO to the Authority for the supply of electric power ("Supply License").

Objections were raised by NEPRA, citing non-compliance with the criteria and absence of required documents. In light thereof, we have addressed the objections raised and provided the supporting documents in the table below.

DOCUMENTS REQUIRED UNDER THE AMEC REGULATIONS 2021	OUR RESPONSE
Reg 3(4)(c)(i)(c) Certified Copies of Annual Reports	Enclosed herewith.
3(4)(d)(vii) Profile of Sub-contractors	Enclosed herewith.
3(g) & 3(7) Affidavits	Enclosed herewith.
Sch III- Procurement Plan	Please refer to Annex-Bi.e the letter provided by Lucky Cement where they have confirmed that they would enter into a PPA with DESCO subject to all regulatory approvals.

DOCUMENTS REQUIRED UNDER THE ELIGIBILITY CRITERIA RULES 2023	OUR RESPONSE
3(b) Min Solvency Requirements (Sch I)	Refer to Annex C-4 for the review engagement showing expenditure of PKR 3.5 billion on Distribution infrastructure along with a letter from DHA Karachi confirming availability of
3(c) Business Plan for three years certified by CEO/CFO/Company Secretary	further financial resources. Enclosed herewith.
3(d) Min HR requirement (Sch II)	Refer to Annex C-7
3(e) Affidavit under Rules	Enclosed herewith.
3(f) Ability to ensure prompt and effective	DHA City Karachi is not currently connected to
coordination with the system operator	the national grid or with the system operator. It
coordination with the system operator	is obtaining power from a nearby captive power
	plant i.e Lucky Cement 2 x 11kv Feeders
	(through KE currently). However, after obtaining
	all necessary approvals, DESCO will enter into a
	PPA with Lucky Cement. DHAC will install grid
	station with the requirement of load and shall
	comply all the requirement of NEPRA regulation.
3(g) Ability to discharge:	
A. Quality of electric power:	
i. Automated systems of software	A. These matters are under process and
tools for billing and collection	will be completed by the time of
ii. Information exchange system	licensing.
iii. Complying with performance	
standards and any codes	B. i. Financial reporting will be complied by
iv. Ensuring timely dissemination	DESCO with IFRS standards as applicable
of reporting requirements	in Pakistan
v. Maintaining complete and	ii) These matters are under process and
accurate records	will be completed by the time of
	licensing.
B. Transparency of transaction by:	iii) These matters are under process and
i. Ensuring compliance with	will be completed by the time of
accounting standards and	licensing.
uniform system	- · · · · · ·
ii. Sharing the necessary	
information and data through	C. Affidavit for compliance with these
website	Rules is enclosed herewith.
iii. Reporting information required	D. Affidavit for compliance with these
by the Authority for monitoring	Rules is enclosed herewith.
C. Collection and deposit of following	S
charges:	
i. Transmission use of system	
charges	
ii. distribution use of system	
charges	
iii. market and system operator fee	

- iv. any other charges as per Rule 5 of Rules
- D. Collection and deposit of any and all surcharges as may be imposed by FG

#### 4(1) Provisions for SOLR

- a) demonstrate capability to carry out detailed schemes and programs for supplying electric power to all consumers pursuant to the regulations specified by the Authority
- b) have a budget developed, demonstrating its financial requirements to ensure that it has adequate financial resources available to engage in electric power supply in an effective and efficient manner
- c) have the ability to provide electric power supply to the bulk power consumers of other electric power supplier who defaults on its obligations of electric power supply
- d) have the ability to ensure timely publication of the Authority's approved rates, charges and other terms and conditions on its website

**Proviso:** the applicant shall only provide this service to the bulk power consumers located in its service territory as defined in its distribution license

- a. DHA is already engaged in installing Distribution infrastructure under SDDS mechanism in DHA Karachi Main. DHA Phase-VIII and DHA Phase-VII Ext. in an area around 4500 acres with a 500MW load assessed. Till date more than 40% state of the art distribution infrastructure has been installed by DHA team under supervision of KE including 3, 132kv Grid Stations.
- Distribution infrastructure worth PKR.
   3.5 billion has already been installed in DHA City. DHA and DESCO are committed to arrange adequate financial resources for effective and efficient electric power supply to their residents.
- c. DESCO is committed to providing basic utility services to all its residents on non-discriminatory basis, even in the event of failure of other electric power suppliers to manage the same.
- d. These matters are under process and will be completed by the time of licensing.

**Proviso:** DESCO shall fulfill all of its obligations under its license in accordance with these Rules.

4(3) Distribution and Supplier License neither such nor affiliate, or associated company shall be eligible to obtain any other supply license or electric power trader license

6(1) At the time of submission of an application, the applicant shall submit a sworn and verified affidavit to the Authority that it fulfils all the requirements of these rules for grant of the license

DESCO will comply with all laws.

Enclosed herewith.

We trust that you will give our application your due consideration and should you require further information or clarification, please do not hesitate to contact us.

Thank you for your time and attention to this matter.

Sincerely,

For and on behalf of DHA Energy Supply Company (Private) Limited

RIAABenicatillette

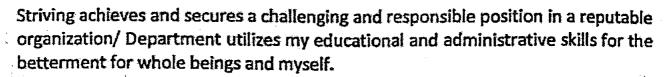
**RIAA Barker Gillette** 

# MUHAMMAD HASNAIN

Address: Urya Khei Village & PO Marghuz Tehsil & District Swabi. Cell No. +92-318-9054073

Email # hasnaink98761234@gmail.com

# OFFIEORIVES



# BELEVANIE VINEET IN NOET

Name

Muhammad Hasnain

Father's Name

Muhammad Iqbal

Date of Birth

04-04-2000

NIC No.

16202-3937277-9

Domicile

Swabi (KPK)

Nationality

Pakistani

Religion

Islam

# Commission to AGADEMICIONAL PROPERTIES ATTOMES

S.No	Cert./Degree	Year	Marks/GPA	Division	Board/University
1.	S.S.C. (Science)	2016	779/1100	1 st	BISE Mardan
2.	Diploma (Electrical)	2020	2376/3550	1 st	KPBTE Peshawar

# Exiger(era

- Worked as a Internship Power House Old Tarbila Dam for One Month.
- Worked as a Electrician at Private Pakistan for 2 years.

# Mairialiel Stefall

- Commitment to organization
- **Communication Skills**
- Ability to handle problem under pressure
- Very intelligent and hard worker.
- Leadership Skills.

## Einmitteiek-

English

(Read, Write, Speak)

- Urdu
- (Read, Write, Speak)
- **Pashto**

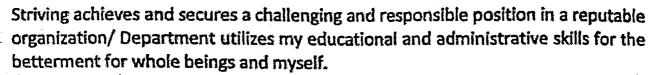
(Read, Write, Speak)

# **MUHAMMAD HASNAIN**

Address: Urya Khel
Village & PO Marghuz
Tehsil & District Swabi.
Cell No. +92-318-9054073

Email # hasnaink98761234@gmail.com

# ได้เรียนสังกับเฮริก



# Personal Appearance

Name

Father's Name

Date of Birth

NIC No.

Domicile

Nationality

Religion

: Muhammad Hasnain

: Muhammad Iqbal

: 04-04-2000

: 16202-3937277-9

: Swabi (KPK)

: Pakistani

: Islam

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1.	S.S.C. (Science)	2016	779/1100	1 st	BISE Mardan
2.	Diploma (Electrical)	2020	2376/3550	1 st	KPBTE Peshawar

# Eriochienes

- · Worked as a Internship Power House Old Tarbila Dam for One Month.
- Worked as a Electrician at Private Pakistan for 2 years.

# mikkenakstäkelli

- Commitment to organization
- Communication Skills
- Ability to handle problem under pressure
- Very intelligent and hard worker.
- Leadership Skills.

# Lationaprioces

English (Read, Write, Speak)

• Urdu (Read, Write, Speak)

Pashto (Read, Write, Speak)

# **MOHAMMAD SALEEM**

+92 333-7841435

☑ m_saleem301@yahoo.com

A-149 K.E.S.C Staff Colony Gulshan-e-Hadid, Karachi.



#### OBJECTIVE

Seeking a challenging position in a progressive organization offering opportunities for professional growth and personal development that may prove to be very effective for corporate wealth as well.

#### ACADEMIC QUALIFICATIONS

B.Tech (Electrical)

2014

New Port Institute of Technology Karachi.

CGPA/Grade

: Waiting for result

D.A.E (Electrical)

2009

Swedish College of Technology Karachi

Division: First

#### SAFETY TRAINING: Indus Motor Company Ltd. Karachi.

orking Experience			
DESIGNATION	EMPLOYER NAME	FROM	то
Supervisor (Electrical)	D.H.A Karachi	17 June 2013	Still To Date
Electrician	Indus Motor Company	1 Feb 2011	30 May 2013

#### > RESPONSIBILITIES

#### > WIRING

- Site Supervision
- o Site Inspection
- o Estimating & Billing
- o Monitoring of Projects as per Specification / Drawing
- Inspection of Conduting, Wiring, Lighting Circuits, Power Circuits, Distribution Boards, Three Phase, Distribution and Underground Cables.
- Inspection of Accessories (Inventory) as per BOQ and Approvals.

#### > 3 PHASE GENERATORS

- o Operation of Generators
- Maintenance and Record of Generators
- o Fuel record of Generators
- o Wiring LV panel to generators
- o Wiring Main DB to LV panels
- o Manage Generator Operators and Electricians Duties

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terition of Conduting, William Lightshorf

 Thrue Phase Distribution and tipele come that common their states or a. Chooling Distribution.

#### COMPUTER SKILLS

- Ms Office
- > Internet Surfing

#### PERSONAL DATA

Passport no :

EU5750061

Father's Name:

Gulshan Soomro

Date of Birth

02-10-1985

CNIC

42501-2414006-3

Religion

Islam

Marital Status

Married

#### LANGUAGE CAPABILITY

English

Spoken-Fluent; Written-Fluent; reading-Fluent

Urdu

Spoken-Fluent; Written-Fluent; reading-Fluent

#### REFERÊNCE

Reference will be furnished on request.



# Mubashir Ali Shah

+92 300-2323615

House No 3, Street No 27, Area "B" Qayyumabad Korangi Road Karachi Pakistan

#### OBJECTIVE

Seeking a challenging position in a progressive organization offering opportunities for professional growth and development that may prove to be very effective for corporate wealth as well.

#### *ACADEMIC QUALIFICATIONS

B.Tech Pass (Electrical)

2012

New Port Institute of Technology Karachi.

CGPA: 3.02

D.A.E (Electrical)

2007

YMCA Poly Technic Institute Karachi

Division: First

#### Working Experience: 18 years months

	DESIGNATIO		EMPLOYED NAME		To
ı	DESIGNATIO	4 1000 114	EMPLOYER NAME	FROM	10
1	Electrician	i d wold	D.H.A Karachi	14 Dec 2006	till To Date

#### > RESPONSIBILITIES

#### > SOLAR ENERGY SYSTEM

Operating of 01 Mega watt Solar energy system (Renewable Energy)

#### ➤ WIRING

- Site Supervision
- o, Site Inspection
- o Monitoring of Projects as per Specification / Drawing

and of their interior of a co

- Inspection of Conduting, Wiring, Lighting Circuits, Power Circuits, Distribution
   Boards, Three Phase, Distribution and Underground Cables.
- o Inspection of Accessories (Inventory) as per BOQ and Approvals.

#### > 3 PHASE GENERATORS

- o Wiring LV panel to generators CVER FOR
- o Wiring Main DB to LV panels : 100
- o Manage Generator Operators and Electricians Duties

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r mpervision

Inspection

Opening of Projects as per Specification / -

ection of Conduting, Wiring, Lighting Cir.

Three Phase, Ostribution and Units.

s, Power Circuits, Distributes

ion of Acressories (Inventory) as re-

Sign Committee

#### COMPUTER SKILLS

- > Ms Office
- > Internet Surfing

#### PERSONAL DATA 19 DELLE VILLE V

Father's Name:

Syed Muslim Shah

Date of Birth

09-08-1985

CNIC

42501-2414006-3

Cred Masymapholic on floorests with white

Religion

Islam

Marital Status:

Married

#### **L'ANGUAGE CAPABILITY**

**English** 

Spoken-Fluent; Written-Fluent; reading-Fluent

Urdu

Spoken-Fluent; Written-Fluent; reading-Fluent

#### SREFERENCE ...

en in Mile

Reference will be furnished on request.

Page: 2 of 2

# **MUHAMMAD NOMAN SULEMAN**

Address Gulshan Sikandarabad,

Keamari, Karachi.

Mobile

0312 - 0215181

**Email** 

nomansuleman159@gmail.com

#### Objective

To work in an environment where appreciation and satisfaction furnishes my skills and progress of the corporate values my appreciation. The company's objective is my objective. Flexibility of adopting different environment uplifts me to take any new challenges.

#### Personal Information

**Father Name** 

Muhammad Suleman

Date of Birth

07 - 06 - 1995

CNIC No

42401 – 2790827 – 9

Nationality

Pakistani

Marital Status

Single Islam

Religion Language

Urdu, Pashto

Domicile / PRC

Sindh (Karachi West)

### Educational Background,

➤ Matric (Science)

Karachi Board

#### Professional Education

Three year Diploma of D.A.E (Mechanical)
From Government College of Technology (SITE Area, Karachi)

#### Working Experience

42 01 - 2/90827 -

> Two year as Electrician

With Contractor in Emar Crescent Bay (DHA, Karachi)

➤ Two & Half year as Electrician West

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> Reference will be furnished on request ...

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# **WAQAR AHMED**

Address: Village Khair Muhammad Solangi Tehsil Sadiqabad Distt Rahim Yar Khan Cell # 0305-7634092 #03498842934

## **OBJECTIVES**

Seeking for job related to my qualification I performance oriented organization and to become an active part on an organization that offers a challenging position in a good working environment where I can share my professional qualification, knowledge, skills and ability.

#### PERSONAL INFORMATION

> Father's Name

Hafiz Manzoor Ahmed

➤ Surname

Solangi

Date OF Birth

15-05-2001

C. N.I.C No.

31304-8235373-9

> Domicile District

Rahim Yar Khan (Rural)

Religion

Islam

➤ Martial Status

Single

> Nationality

Pakistani

#### QUALIFICATION

C.I.T (06 Months	"A" Grade	Future Computer	2019
Electrical Diplom 03 Years	a "A" Grade	Karachi Board	2020
Matriculation	"A" Grade	BISE Larkana	2018
Degræ	Gindle / Dissistan	Board Davaryty	Yein of Positing

#### **EXPERIENCE**

Frontier work organization Lahore Faisalabad 11 Engineer Unit Battalian Camp Shaikhupura

and continue to the contration to the first transfer of the first of a particular paper.

- Solar Project FWO Three Years Experience as a Helper
- 06 Years' Experience in Electrical Shop
- 02 Months Solar Experience in Gadoon Textile Karachi.

#### HOBBIES

Pray of Almighty Allah, Reading Books, Reading Newspapers

The Alegan of the Experience of Contain Ferhick at

#### LANGUAGES ...

• English, Sindhi, Urdu & Saraiki

#### REFERANCE

Will be furnished upon request.

## AHSAN ALI JOKHLO

S/O IMAM BAKHSH

- 🗎 12 Oct, 1989 🗈
- Male
- 03233370723
- □ pak123@gmail.com
- Walidad Salar Jokhio Goth, Malir Karachi
- i Pakistani

#### **OBJECTIVE**

Want to explore my career in the dynamic, team oriented, competitive, and cooperative environment in a reputable organization, where I can get maximum chance of learning and grow as a proficient, innovative, and committed person: To work hard with complete devotion for the better development of the organization, like to take challenging tasks so as to assess my own capabilities and want to provide benefits to my organization.

#### SKILLS

MS Office

Computer Literacy

Communication and teamwork

Electric work

Leadership and Management

Problem-solving and analytical thinking

Attention to detail and accuracy

Critical thinking

Decision-making

Public speaking and presentation

Writing and Editing



## **EDUCATION**

#### INTERMEDIATE

BISE Hyderabad

#### **MATRICULATION (SCIENCE)**

BISE Karachi



## **WORK EXPERIENCE**

3 YEARS

2 YEARS

2 YEARS

1 YEAR

3 YEARS

1 YEAR

6 MONTHS

**6 MONTHS** 

6 MONTHS

6 MONTHS

Coal Fire Power Plant Lucky Marwat

**TECHNICIAN** 

**TECHNICIAN** 

Coal Fire Power Plant Lucky Marwat

TECHNICIAN

Bahria Town Karachi

**TECHNICIAN** 

Roots Millennium School, DHA City Karachi



### **PROFESSIONAL EDUCATION**

#### DAE IN ELECTRICAL

BISE Karachi

DAE IN ELECTRICAL

City & Guilds (UK)

**COMPUTER INFORMATION TECHNOLOGY** 

SMB Karachi

COMPUTER INFORMATION TECHNOLOGY

Askari Gulshan E Hadeed

ELECTRICAL

Razzakabad Karachi

ELECTRICAL

Karachi

# INTERESTS

Technology - Sports and Games - Nature and Galaxy



### **LANGUAGES**

Urdu • English • Sindhi



**REFERENCES** 

Reference will be furnished on demand

## ZAKIR ALI ARAIN



# Contact Address: House No. B. 224, Labour Golon STE Area: Hyderabad +9231133001907+923073229339 Email: žakiraliarain1984@gmail.com Extensive knowledge of electrical Strong leadership and team: management abilities: Proficient in project planning, 2 execution, and control, Skilled introubleshooting and problem solving. Excellent communication and interpersonal skills. «Proficientin using electrical/testing equipment.

## Summary

Experience of working on multiple electrical projects, Project Progress Monitoring & Control in order to overcome the delays in project completion by continuous reviewing the progress/plans & developing/implementing recovery plans.

Developed & maintained detail project plan that includes: Work packages, schedule, cost tracking, material management, and resource plan and issued month end/status reports.

#### **Experience**

# **Defence Housing Authority – DCK**–Aug 2022 - To Date **MV/LV Network Supervisor**, D.H.A City Karachi

- Overseeing the operation and maintenance of electrical distribution networks.
- Developing maintenance plans and schedules for MV/LV equipment.
- Diagnosing and troubleshooting faults in the network to ensure reliability.
- Ensuring compliance with regulatory requirements and safety standards.
- Monitoring network performance and optimizing efficiency.
- Managing a team of technicians and coordinating with stakeholders.
- Identifying opportunities for improvement in network operations.

#### Zaffar Enterprise – ZE-Oct 2020 - To Date Site Engineer, D.H.A City Karachi

Managing the installation, testing, and maintenance of MV/LV markers relectrical distribution networks.

- Coordinating with contractors and stakeholders to ensure timely project completion.
- Conducting tests, inspections, and quality control measures to ensure compliance and proper functioning of the systems.
- Providing technical support and troubleshooting for MV/LV systems and components.
- Identifying opportunities for process optimization and recommending innovative solutions.

#### Expert Contracting – EC-Jan 2018 – Sep 2020 Assistant Electrical Engineer, D.H.A City Karachi

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- Assisting in the design and development of electrical systems and components.
- Providing technical support in project planning, execution, and control.
- $(\pm \bullet)$  ... Conducting tests, troubleshooting, and ensuring proper
  - functioning of electrical systems. The many property of the second of the systems of the systems of the systems.
  - Ensuring compliance with codes, regulations, and standards.
  - Assisting in procurement and material management.
  - Implementing quality control measures and participating in
  - Inspections teams in a mirror, and quality control or assault to
  - Continuous professionabdevelopment and staying updated with industry trends cost of many contributions for the activities.
  - Continue and Carena (1985).

     Tonelling projects (1985) are expressed from (1985).
  - The security of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of

#### **Technical Aspects**

#### Electrical Network:

Extensive knowledge of MV/LV 🛚 electrical systems and standards. Expertise in network design, equipment selection; and plann Profice new in fault analysis, troubleshooting, and resolution. Experience in testing commissioning and compliance checks: - Adherence to safety protocols and regulations

Skill in metering, monitoring, and optimizing network performance Understanding of energy efficiency and power quality considerations: Awareness of emerging technologies and industry trends. Ability to adapt and apply new

advancements in network operations

#### Concepts: *

Managerial Skills, Dismantling, Network Planning; Meter Installation; Fault 🥷 Deduction; Troubleshooting, Testing & Commissioning Installation of Electrical Pole Service connection MS-Office

## Projects

Power Projects; Ed 13 Network Energization: Oversaw the energization and installation of the electrical network from LCL to DCK in Sector 3:

Sector-03: Led the installation testing and commissioning of the cesung and commissioning of the Sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network supply during sector-3B electrical network supply during sector-3B electrical network supply during sector-3B electrical network supply during sector-3B electrical network supply during sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network sector-3B electrical network s

Sector-01 & 07: Supervised the installation of PMU and Switching Stations in Sector-7; Sector-1: Successfully activated the live

network in Sector 7 and Sector ABC Network: Coordinate the installation process of ABC equipment conducting tests inspection. ver

Sigma Ventures-Aug 2016 - Dec 2017 Site Supervisor with KE, Karachi

- Installation of ABC Special Project of K-Electric.
- 132KV Underground Cable Project of K-Electric for Xian Electric Engineering.

General Electro-Mecanique (Pvt.) Ltd. - May 2013 - July 2016 Electrical Supervisor with HESCO, in Hyderabad

- ADB HESCO ABC Project ADB-LCB-ELR-09 Lot-1, Matli, Kotri, TM Khan, Thatta.
- World Bank HESCO ABC Project WB-HESCO-ELR-05 (TYCO) Lot-III,

#### Education

Bachelor of Commerce: B.COM (2013) University of Sindh, Jamshoro

Diploma of Associate Engineer: Electronics (2006) Government College of Technology, Hyderabad

Higher Secondary Certificate: Pre-Engineering (2004)

Government Degree College & PG Unit No. 11, Latifabad Hyderabad

Secondary School Certificate: Science (2001), Mark Charles of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Board of Intermediate & Secondary Education, Hyderabad

#### ADRESS SOO ARC THE CONCENT OF LIBEOUTON MADE THEN THE Technical Training

1- Trade Testing Board: One Year Diploma 1500-118-01 (Refrigeration & Air Conditioning)

2- Trade Testing Board: One Year Diploma (General Electrician)

3- Trade Testing Board: One Year Diploma (Information Technology)

## Skill Progresses

- Installation Of Solar System
- Refrigeration & Air Conditioning
- Skilled in leading teams, coordinating projects, and achieving objectives.
- Dedicated to continuous learning and staying updated with industry advancements.

## Other Activities & Hobbies

- Reading E-books, Poetry, Novel, Magazines, Net surfing
- Coaching for Electrical Studies

#### Personal Details

Father's Name

Sadaquat Ali

D.O.B

28-Jan-1984

Gender

Male

Relationship

Married

Nationality

Pakistani .

# Dilshad Ahmed

Cell: 0331-3787327, 0346-2235145.

#### Objectives:

Looking for an environment twh ereI can contribute my Services, Knowledge& Experience+ Enhance my skills for exponential careergrowth.

#### Education:

- Metric Science with 1st div from Karachi Board (2015).
- ➤ DAE (Electrical Technology) fromSt. Patrick's Institute (2018)

#### Experiences:

- > 2 Year Experience as a Elect cum Gen Operator at DHAC.
  - · Oct 2022 to Till todate
- > 3 Month Internship at Pakistan Defence Housing Authority.
  - Aug 9 2021 till Nov 9 2021
- > 3 Year Experience as a Site Supervisor at Muhammad Samad & Co.
  - July 2018 to July 2021

#### Other Related Skills/Works:

- > Work place & Human Safety management.
- > Office work flow management.
- > Computer based office System & Emailingetc.

### Personal Bio-Data:

>	Father's Name:	IrshadAhmed
>	Date of Birth	See Defee 01-03-1999 *******
>	Nationality	Pakistan www. 180
>	CNIC No.	42301-9106650-5
<b>A</b>	Domicile	Sindh

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15 Pag 5 3

# **IMRAN IQBAL**

Email: <u>imraniqbalkk@gmail.com</u> Cell: 0345-3612811, 0315-5669220

#### **EXPERIENCE:**

**ORGANIZATION** 

Pakistan Defence Officers Housing Authority Karachi

**PROJECT** 

Infrastructure & Area Development at DHA City Karachi,

DURATION

(Feb 2015 to till date)

DESIGNATION

Sub Engineer (Electrical)

RESPONSIBILTIES

Working as a Sub Engineer (Electrical) in DHA City Karachi.

• Install, connect, and maintain wiring, lighting, meters, Pole, electromechanical fixtures, and electronic machinery.

- Repair and replace damaged electrical components in generators, storage batteries, switchboards, motors controllers, and related electrical equipment.
- Use testing tools to diagnose electrical problems and faults.
- Inspect electrical appliances like circuit's breakers and transformers.

**ORGANIZATION** 

Kalson Company

PROJECT DURATION Regional Office Hyderabad.

DESIGNATION

(Nov 2013 to Feb 2014)

DESIGNATION

Transporter Supervisor

RESPONSIBILTIES

- Working as a Transporter Supervisor in Kalson Company Regional Office Hyderabad
- Loading and unloading products, from trucks
- Assign delivery routes
- Update driver information: Habitation is to the consequent
- Assist with the hiring process for new drivers
- Maintain records of vehicle use and maintenance

### **ACADEMIC QUALIFICATION:**

- DAE Diploma of Associate Engineer (Electrical) complete from (SBTE) Karachi.
- Matriculation (Science)

#### SKILLS & ABILITY:

- Basic Electricity & Electrical Circuits.
- Transmission & Distribution of Electricity.
- Control & Monitor Turbines & Generators Auxiliary Equipment.
- Monitor & Troubleshoot Operating Equipment.

#### **PERSONAL DETAILS:**

Father Name:

Muhammad Iqbal Comment

CNIC No:

44202-4006994<del>,</del>7- mat a parameter.

Date of Birth:

23-Mar-1995

Religion:

Islam

Nationality:

Pakistani

Address:

PO Hathungo Taluka Khipro District Sanghar

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**USAMA** 

MOBILE: 0335-2024280

ADDRESS: Ward No# 03 Kot Ghulam Muhammad District Mirpurkhas

# **ACADEMIC QUALIFICATION:**

- > 3 Year Diploma in (Electrical Engineering) from (SBTE) Karachi.
- > Matriculation (Science) from (BISE) Mirpurkhas.
- > BSC

# **EXPERIENCE:**

**ORGANIZATION:** DHA Defence Officers Housing Authority. (CLIENT)

PROJECT:

Infrastructure & Area Development at DHA City DCK

**DURATION:** 

(Feb 2017 to Current)

RESPONSIBILITIES:

# **ELECTRICAIN / GEN OPERATOR**

- > Street Light Pole Maintenance Work.
- > Operation, repair & maint of solar sys.
- > Control & Monitor Turbines & Generators Auxiliary Equipment.
- Distribute Power Among Generators.
- > Regulate Output from Generators.
- > Start & Stop Generators.
- Oversee Plant Operations.
- > Monitor & Troubleshoot Operating Equipment.

# **SOFTWERE & INSTRUMENTS USED:**

- > Internet Browsing
- > Ampere Meter
- > Instrument Electricity

# **PERSONAL DETAILS:**

Father Name: Muhammad Younas

44102-9625359-1 CNIC No: Date of Birth: 29-Mar-1996

Religion: Islam Nationality: Pakistan

Languages:

English, Urdu, & Sindhi,



MOBILE: 0333-0248575

ADDRESS: Ward No# 02 Kot Ghulam Muhammad District Mirpurkhas

#### ACADEMIC QUALIFICATION:

- DAE Diploma of Associate Engineer (Electrical) Continue From (Polytechnical Institute) (SBTE) Karachi in Process.
- Intermediate (Pre-Engineering) Complete from (BISE) Mirpurkhas.
- Matriculation (Science) Complete From (BISE) Mirpurkhas.

#### **EXPERIENCE:**

ORGANIZATION:

DHA Defence Officers Housing Authority. (CLIENT)

PROJECT:

Infrastructure & Area Development at DHA City DCK M9 Karachi.

**DURATION:** 

(Aug 2018 to Current)

**RESPONSIBILITIES:** 

#### **ELECTRICAIN / GEN OPERATOR**

- Control & Monitor Turbines & Generators Auxiliary Equipment.
- Distribute Power Among Generators.
- Regulate Output from Generators. Start & Stop Generators.
- Oversee Plant Operations.
- Monitor & Troubleshoot Operating Equipment.

#### SOFTWERE & INSTRUMENTS USED:

- MS Office
- > Internet Browsing
- > Instrument Electricity

# OTHER QUALIFICATIONS'& KNOWLEDGE SKILLS:

- > 6 Months Course in (ELECTRICIAN) from (Fauji Foundation Welfare Division Technical Training Centre)
- > 6 Months Course in (MOTOR WINDING) from (Fauji Foundation Welfare Division Technical Training Centre)
- 6 Months Course in (MS OFFICE)

## PERSONAL DETAILS:

Father Name: Muhammad Mushtaque 44102-7324999-9FREETING PLANTERS RESPONDE

CNIC No: Date of Birth: 03-Mar-1999

Religion: Islam

Nationality: Pakistan

Languages: English, Urdu, & Sindhi,

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## Curriculum Vitae

#### MUHAMMAD FAHEEM

Contact:

+92-300-2069292

E-mail:

Muhammadfahim968@gmail.com

#### OBJECTIVES

I am in a constant search of an environment where I can apply my skills with immense professionalism and precision, I want to prove my self worthy & express my skills in my field, if a chance is given to me in your well reputable organization.

#### EXPERIENCE

- ❖ Working Experience as a Electrician/ Gen Opt in E&M Br DHAC from 1st March 2019 to Til To date
- * Working Experience as a <u>site Inspector</u> in A.K builders in project renovation of Boundary wall K-Electric Colony Since 1st November 2017 to 2019
- Working Experience as a Site <u>Inspector</u> in AA Quality Builders, in project DHA City main entrance gate. Since 1st August 2016 to 1st August 2017.
- Working Experience as Site Supervisor In Pak Consultant Pvt. Hyderabad Since 2-2-2015 to July-2016.
- * working Experience as "O.A / O.C Inspector" in Quality Control Department at ALSONS Auto Parts (Pvt) Limited Karachi, since 01-08-2010 To30-1-2015.
- ❖ 1 Year Working Experience in Agility Logistics P&G as a Q.C Inspector

## Working Responsibilities & Knowledge:

- Good interpersonal and communication skills.
- Able to work both independently and as a Team Leader
- Good planning and time management skills.
- Good knowledge of MS Office products.
- Daily back up.
- · Data reporting.
- Maintain Databases.
- Document Writing.

#### GOIVERUS BERGSKIELES

- MS-Office
- Computerized Accounting
- Software "Ms Tally"
- Internet
- Browsing

#### EDUCATIONAL RECORD

Diploma of Associate Engineer CIVIL

12.

o Board: SBTE

o Grade: "A"

o Year of passing: 2016

• Secondary School Certificate Part-I and II

o Board: : BISE Karachi

o Grade: "C"

o Year of passing: 2006

## PERSONAL INFORMATION

Father's Name : Gulshan Soomro

Date of birth : 20-11-1988

N.I.C. No. : 42501-6652147-1

Nationality : Pakistani

Marital Status : married

Domicile : Malir, Karachi





Pirhar Sharqi,P/O & Tehsil Kot Addu, Muzaffargarh Cell #: 03061398790

#### **OBJECTIVE**

To join a dynamic and progressive organization, offering ample opportunities for diversified experience and growth with a commitment to perform quality work through application of professional knowledge. I am a fully confident individual who believes that if one has a solid belief in God and some talent in oneself, there is almost nothing impossible through the zeal and aspiration for progress.

#### PERSONAL INFORMATION

Father's Name

Abdul Ghafar

Date of Birth

04-06-1998

CNIC No.

32303-6466929-1

Nationality

Pakistani

Religion

Islam

## QUALIFICATION

Degree	Result	Passing Year	Board/University
Middle	80%	2008	PEC

## SKILLS

Ms Office

Internet surfing & browsing

## EXPERIENCE

- Worked with Badar Engineering as a Cable Jointer at DHA City Karachi from 2019 to 2023
- Worked with Bahria Town Karachi as a Cable Jointer at Karachi from Feb-2018 to Oct-2018
- Worked with QAVI Engineering as a Cable Jointer at Bulari Air Base, near Karachi from 2017 to 2018

#### TECHNICAL ASPECTS

MV / LV Cable proper Joint & Termination.

# LANGUAGES

- English
- Urdu
- Saraiki

#### REFERENCE

Will be provided on demand.

GENERATOR OPERATOR

Summary Of Experience of Years +

MOBILE: 0335-0320377

ADDRESS: Haji Allah Dad Jokhio Village Kathore Gaddap Town District: Malir Karachi

Eight years of training and experience in the safe operation and maintenance of pumps, generators. Performed multiple successful startups and shut downs of generators and auxiliary equipment along with several other testing and operations.

## **ACADEMIC QUALIFICATION:**

- > Intermediate Complete From (Board Of Secondary Education Karachi)
- > Matriculation Complete From (Board Of Secondary Education Karachi)

# **EXPERIENCE:**

ORGANIZATION: DHA Defence Officers Housing Authority. (CLIENT)

PROJECT:

Infrastructure & Area Development at DHA City DCK M9 Karachi. (12 Jun 2014 to Current)

**DURATION:** RESPONSIBILITIES:

## **GEN OPERATOR**

- Control & Monitor Turbines & Generators Auxiliary Equipment.
- Distribute Power Among Generators. > Regulate Output from Generators.
- > Start & Stop Generators.
- > Oversee Plant Operations.
- Monitor & Troubleshoot Operating Equipment.

## SOFTWERE & INSTRUMENTS USED:

- > Instrument Electricity
- Ampere Meter

Languages:

Operating Generator: Generator 650 KVA, Generator 400 KVA, Generator 350 KVA, Generator 250 KVA, Generator 100 KVA, Generator 60 KVA & Generator 30 KVA

## PERSONAL DETAILS:

Urdu, & Sindhi,

Father Name: Mehboob Jokhio 42501-9026894-3 CNIC No: Date of Birth: 04-Feb-1995 Religion: Islam Nationality: Pakistan



## Nabi bux Contact No. 03212899637

Address: Baig jokhio goth

#### **OBJECTIVE**

> To work in a growth oriented professional environment as a highly motivated professional team player, which results in organization success as well as personal development.

#### PERSONAL INFORMATION

Father's Name

Theryo

Date of Birth NIC No.

1965 41207.9844133.9

Nationality

Pakistani

Muslim.

#### Religion LANGUAGE

- Urdu
- Sindhi

## QUALIFICATION

Middle pass

#### **WORKING EXPERIENCE**

01. 11 years experience generator operator DHA city

#### REFERENCE

Reference will be furnished upon request.



## **BARKAT ULLAH** Contact No. 03213452650 0331-3179146

Address:Haji Allah Dad Jokhio, District Malir



Karachi.

> To work in a growth oriented professional environment as a highly motivated professional team player, which results in organization success as well as personal development.

### PERSONAL INFORMATION

Father's Name

Gohar Khan

Date of Birth

06-03-1993

NIC No.

42501-2726284-3

Nationality

Pakistani Muslim

Religion LANGUAGE

- Urdu
- Sindhi
- English

## **QUALIFICATION**

Intermediate

#### WORKING BURSHISHUS

2 Years DHA Generator Operator

## REFERENCE

lacktrightlacktright reference will be furnished upon request.



#### DHA CITY KARACHI (DHAC)

KM 50, Motorway M-9(Post Code 75340) Phones: 021-36470008: Fax: 021-36470007

In reply, please quote: No DHAC/D&C/10

Date: 25 Nov 2024

# INTER OFFICE NOTE (DESIGN & CONTRACT DTE DHAC)

Subj: Processing of Distribution & Supply Licenses for DHA DESCO in NEPRA

Ref: Minutes of Meeting Ref No DHAC/EDB/19 dated 18 Nov 2024

- 1. Ref Sr # (b) at para 2 of a/r MoM, enclosed please find herewith following documents as Annex-A, in hard & soft format:
  - a. Profiles of main Contractors and Consultants engaged in Dev of Elect Infra Works
  - b. Copies of Letter of Award issued to the above Contractors/Consultants
  - 2. Forwarded as desired, please.

Major

Furqan Ahmed Khan, TI (M) (Retd)

AD (Contracts) D&C Dte

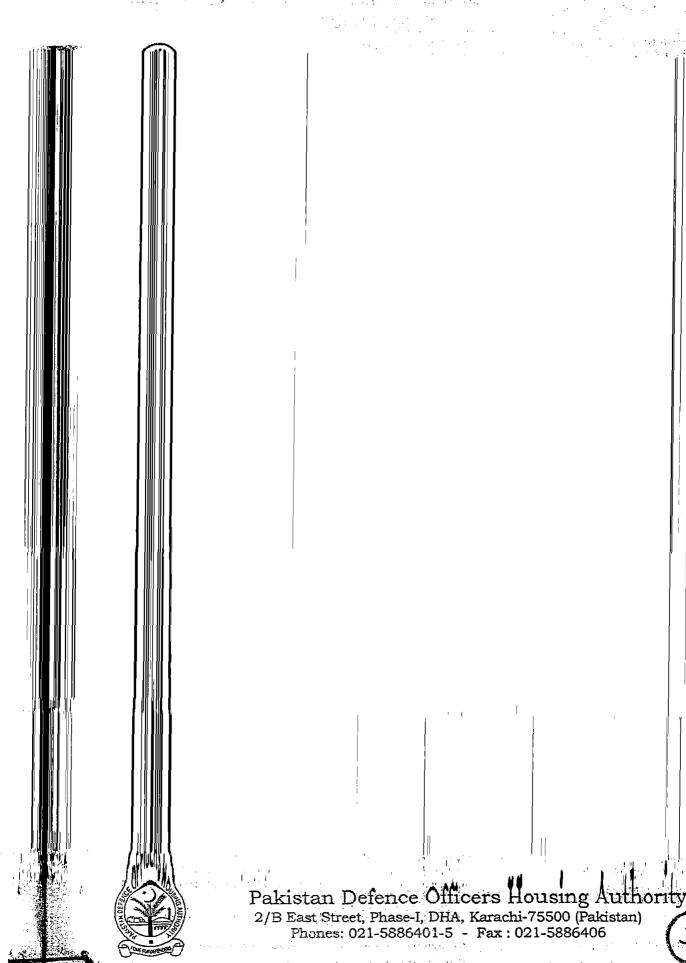
To: Mr. Faisal Malik (Advisor to ADHAC)

CC: Secy Sectt
CE Br, DHAC
E&M Dte, DHAC
Coord Br DHAC

#### Annex-A

to D&C Dte DHAC ION No DHAC/D&C/10 Dated: <u>25 Nov 2024</u>

Sr	Name of Firm	LOI/Award Letter	Profile
1	M/s NESPAK (Pvt) Ltd	Attach	Attach
2	M/s Osmani & Company Pvt Ltd	66	u.
3	M/s ACES	<b>4</b>	u
4	M/s OMS (Pvt) Ltd	cc	"
5	M/s Zeeruk International	u	«
6	M/s HQ 494 Engineer Group (FWO)	u	"
7	M/s HQ Project Directorate NLC(South)	u	u
8	M/s Pak Elektron Ltd (PEL)	u .	"
.9	M/s Badar Engineering Works	æ	и
10	M/s Qaiser Electric Company	c c	«
1.1	M/s Zaffar Enterprise	α	и
12	M/s Expert Contracting	· ·	и



In reply, please quote: DHA/DCK/CA/D&C/08/2023

Date: 03 Apr 2023

wheth until determine be

M/S National Engineering Services Pakistan (Pvt) Ltd 4th Floor, NICL Building, Abbasi Shaheed Road, Off Shahrah-e-Faisal,

Tel: 021-99225430-34, 0300-3577306, Fax: 021-99225424

Subject: Detail Designing of Infrastructure of 1,000 Acres (Shuhada Land) at DHA City

terms / conditions and remuneration mentioned in the following paragraphs.

Karachi, and the second the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se

Dear Sir, The Defence Housing Authority is pleased to award you the subject work with broad

- Souther Court. Scope of Work: The scope of work entrusted to "M/S National Engineering Services Pakistan (Pvt) Ltd" is to provide Detailed Designing of Infrastructure, Hydrology Study, Terrain characterization based on Geologic, Geotectonics and Geohazard Assessment and Construction Material Studies for the project according to international engineering practices alongwith its timely completion of the project.

5.5 Months

4.	Kemineration Talk - W. W. V. Talk or active of the 10 days from the issuance -		of a least to gradies court	
		grantial comments to Description agreement as per in	Rate / Cost (Rs)	
in the production is the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the secon	i <b>a.</b>	Detailed designing of Infrastructure, drawings, BOQs & tendering documents / activities	of Engineering Estimate including SST	
	b,	Hydrology Study	Sum)	
	c.	Terrain characterization based on Geologic, Geotectonics and Geohazard Assessment and Construction Material Studies	Rs (Lump Sum)	

Project Control:-5,

Controlling Officer

- Director Development DCK (South)
- b. Engineer Incharge
- To be nominated by Director Dev DCK (South)
- CA No DHA/DCK/CA/D&C/08/2023 is allotted to this Contract which shall invariably be quoted in all your correspondence pertaining to this work.
- Please attend the office within 10 days from the issuance of this letter to discuss contract formalities, sign and complete the contract agreement as per PEC documents and report to Director Development DCK (South) immediately after receiving this letter.

DEA

- Copy to: 1) DCK Directorate
  - 2) Finance Directorate
  - 3) Audit Directorate
  - 4) Tech Section DCK
  - 5) Site Office DCK 6) Quality Assurance Section

Lt Col Rizwan Akram, TI(M) (Retd) AYDirector D&C

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NES National Engineering Services
PAK Pakistan (Pvt.) Limited

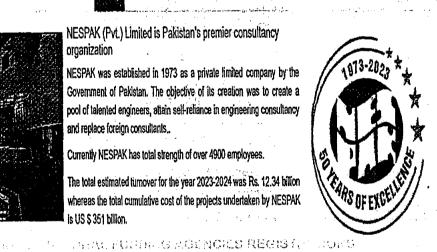


NESPAK (Pvt.) Limited is Pakistan's premier consultancy organization

NESPAK was established in 1973 as a private limited company by the Government of Pakistan. The objective of its creation was to create a pool of talented engineers, attain self-reliance in engineering consultancy and replace foreign consultants...

Currently NESPAK has total strength of over 4900 employees.

The total estimated turnover for the year 2023-2024 was Rs. 12.34 billion whereas the total cumulative cost of the projects undertaken by NESPAK is US \$351 billion.



4,151 4,721 **TOTAL PROJECTS** 3,596 Local and 555 Overseas Projects Total Ongoing and Completed Projects

## INTERNATIONAL FUNDING AGENCIES REGISTRATIONS







United Nations





World Health

#### **NESPAK SECTORS** ARCHITECTURE & PLANNING DISASTER MANAGEMENT AND RECONSTRUCTION ENERGY ENVIRONMENTAL. INFORMATION TECHNOLOGY AND GIS OIL GAS & PETROCHEMICAL NDŪSTRĪAL NEW VENTURES TRANSPORTATION WATER & AGRICULTURE

### **MAJOR CLIENTS**







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The Company is managed by a Board of Directors comprising a Chairman, a Managoro Director and 11 other Directors. The day-to-day handloss of the Company are noticed after by the Managing Director assisted by Vice Presidents and Director assisted by Vice Presidents and Director assisted by Vice Presidents and Director assisted by Vice Presidents foreign and Managers are broadly divided into project management and specially groups.

FIELDS OF SPECIALIZATION



Metro Bus Project







OHA Medical City







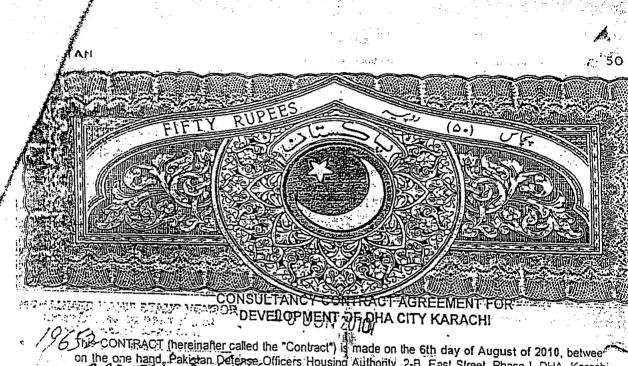
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on the one hand, Pakistan Defense Officers Housing Authority, 2-B, East Street, Phase-I, DHA, Karachi-

(hereinalter called the "Client" which expression shall include the successors, legal representatives and permitted assigns)

and, on the other hand, a consortium consisting of the following entities, each of which will be liable to the Client for its specific part of the works and obligations for the project under this Contract, namely:

M/s Osmani & Co. (Pvt.) Ltd., Consulting Engineers, Architects & Planners (Lead Firm) Osmani House, 245/2-K; Block 6; PECHS, Karachi-75400; Pakistaning parvices on only Tel.: +92-21-34536007 / 2008 Fax: +92-21-34534691 Email: oci-khi@osmani.com

:)

Formed Consortium with following foreign Specialist Associates

Doxiadis Associates Consultants on Development & Ekistics S.A.

13 Aegidon & Seneka Str., New Kifissia ii) 深域的控 145 64 Athens, Greece - Tel.: +30-210 62 46 300 Fax.: +30-210 62 46 399 E-mail: doxiadis@doxiadis.com

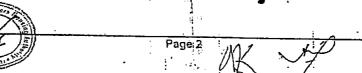
M/s Robert Mathew, Johnson Marshall & Partners (RMJM) International Architectural Practice 27th Floor, Monarch Towers 1 Shaikh Zayed Road, P.O. Box. 6126, Dubai, UAE

Thereinafter collectively called the "Consultants" which expression shall include its successors, legal representatives and permitted assigns).

WHEREAS

- the Client has requested the Consultants to provide certain consulting services as defined (a) in the General Conditions of Contract attached to this Contract (hereinafter called the "Services"); and
- the Consultants, having represented to the Client that they have the required professional (b) skills, and personnel and technical resources, have agreed to provide the Services on the terms and conditions set forth in this Contract; DOXIADIS ASSOCIATE:

NOW THEREFORE the Parties hereby agree as follows:



is altivated documents attached hereto shall be deemed to form an integral part of this Contract:

the Coneral Conditions of Contract;

the Opecial Conditions of Contract:

the following Appendices:

Appendix A: Description of Services ...

Appendix B: Reporting Requirements

Appendix C: Key Personnel and Sub consultants

Appendix D: Breakdown of Contract Price in Foreign Currency Appendix E: Breakdown of Contract Price In Local Currency

Appendix F: Services & Facilities to be Provided By the Client

Appendix G: Integrity Pact (for Services above PKR 10 Million)

The mutual rights and obligations of the Client and the Consultants shall be as set forth in the Contract, in particular:

Since (a) Have the Consultants shall carry out the Services in accordance with the provisions of the title Service Contract, and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the services in Secretary and the secretary and the services in Secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary and the secretary a

Isean . the Client shall make payments to the Consultants in accordance with the provisions of the

For and on bus all of INTWITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their and the properties above with the day, no.ec. month and year first above written as Constitution of Constitution

For and on behalf of

## PAKISTAN DEFENCE OFFICERS HOUSING AUTHORITY KARACHI (DHA KARACHI)

CLIENT'S NAME SOL

Witness

Name Brig (R) Intiknar Haider, SI (M) Title Senior Project Director, DHA

Signature

Name: Lt Col (Retd) Almal Rasheed, TI(M) Title | Secretary DHA (Seal)

POBERT MATTHEW JOHNSON MARSHALL AND PARTNERS P.O.80X: 8126, DUBAL - U.A.E.

For and on behalf of

OSMANI & COMPANY (PVT.) Lead Consultant of Consortium

Dising Engir

Witness

Witness

Signature

Atlf Inam Osmani:

Name <u>Director</u>

Signature Name <u>Arif Inam Osmani</u> Title <u>Director</u>

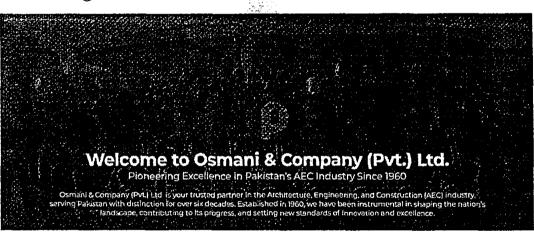
DOXIADIS ASSOCIATES

Page 3

(Seal)

OSMANI کے متمانیہ

Stome About us Services Opportunities Cliente Conta



## **Our Comprehensive Services**

Osmani & Company (Pvt.) Ltd. offers a diverse range of services in the AEC sector, spanning various critical areas of development:



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Mission & Vision

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#### What Makes Us Unique?

#### We Are Different

A one-stop shop for all you ongineering, management

#### We Are Dynamic

Regardless of the difficulty interrain or complexity of work, our teams are motivated to always deliver excellence.

#### We Are Nationwide

Operating across Pakistan for or six decades.





#### Why Choose Osmani & Company (Pvt.) Ltd.



#### **Proven Expertise**

With over six discades of experience, we bring unparalleled knowledge and insights to every project.



#### Nationwide Presence

Our operations apan across Pakistan, bringing world-class AEC services to every region.



#### Innovation and Quality

We are driven by innovetion and committed to delivering the highest quality standards in all our projects



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Sustainable Practices
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#### Partner with Us

Whether you're envisioning an architectural masterpiece, engineering marvel, or a project of national significance, Osmani & Company (Pvt.) Ltd. is your invested partner. We share your welon for a prosparous Pakistan and are dedicated to helping you turn your dreams into

Join us on a journey where tradition meets Innovation, where quality knows no compromise, and where excellence is the only path forward. Your AEC aspirations lind their home at Osmani & Company (Pvt.) Ltd.

Let's build a brighter future together, one project at a time. Welcome to Osmanl & Company (Pvr.) Ltd. - Shaping Pakistan's AEC landscope since 1960.



#### **Our Rich Legacy**

Our journey began in the heart of Pakistan's development, and over the years, we have grown to become a symbol of unwavering commitment to quality and progress. With a legacy stretching back to 1960, we have witnessed the nation's transformation and played an integral role in its development.



1960



PROJECTS COMPLETED



ISO 9007

CERTIFIED DIVISIONS



# Pakistan Defence Officers Housing Authority

2/B East Street, Phase-I, DHA, Karachi-75500 (Pakistan) Phones: 021-35886401-5 - Fax: 021-35886406

he reply, please quote: 

Date: 01 Feb

M/S OMS (Private) Limited, 251-CCA, Block FF, Phase-IV, INTA LAHORE Tel: 042-35748650 Fax:

Subject:

Technical Feasibility Studies for Planning & Construction of Grid Station at DHA City Karachi.

Dour Sir,

The Defence Housing Authority is pleased to award you the subject work with broad terms / conditions and remuneration mentioned in the following paragraphs.

Scope of Work: The scope of work entrusted to "M/S OMS (Private) Limited" is to Provide Network Study as per NEPRA Grid Code 2005 based on all available options of nearby Transmission Lines covering following so as to ensure quality work according 10 international engineering practices alongwith its timely completion of the project:

a. Load Flow Analysis, Short Circuit Analysis, Contingency Analysis, Route Survey, Tentative Route Sketch. Hard Burley

Capacity & Number of Proposed Grid Stations, Land Allocation, Consideration of Provision of Future Extension / Upgradation.

Tentative Cost of the technically viable options.

Duration:

Remuneration:

- including 13% SST.

Project Control:-

a. Controlling Officer
b. Engineer Incharge
- Director Development DCK
- To be nominated by Dir Dev - To be nominated by Dir Development DCK

CA No DHA/DCK/CA/D&C/01/2023 is allotted to this Contract which shall invariably be quoted in all your correspondence pertaining to this work.

Please attend the office with 10 days from the issuance of this letter to sign and complete the contract agreement as per PEC documents and report to Director Development DCK immediately after receiving this letter.

Copy to: 1) CE Branch (EDB)

2) DCK Directorate

3) Finance Directorate

4) Audit Directorate

5) Tech Section DCK

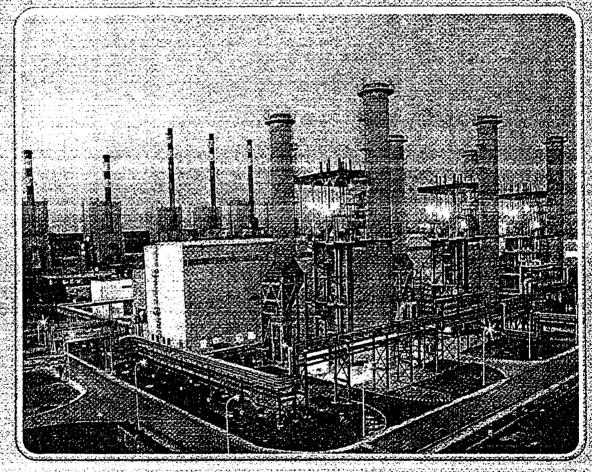
6) Site Office DCK

7) Quality Assurance Section

kram, TI(M) (Retd) AXDirector D&C

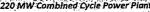
# **0&M Solutions**

The Power Business Professionals
JUNE 2020

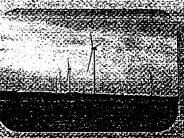


BIN QASIM POWER STATION (BOPS-II) 560 MW





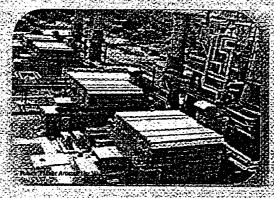




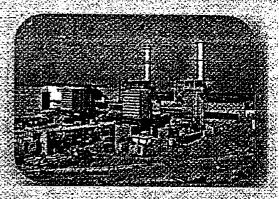


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Your Personnel	10
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Korangi 210 MW CCPP GE LM600PC



Balloki 225MW CCPP Frame 6FA



# **CEO'S MESSAGE**

O&M Solutions was founded in 2005 with the objective of providing Operation and Maintenance services for the Power sector. By focusing the emerging markets we have won recognition as a first class service provider:

O&M Solutions has expanded into six countries around the world, providing services under our five business verticals, operation, and maintenance of power plants, consultancy services to conventional and renewable energy power plants construction management, and consultancy Services to transmission and distribution and training in the power sector.

The Company boasts its presence in the emerging markets and has successfully created a brand of its own by providing these services while winning the steadfast trust and accolades from our customers.

We have leveraged our comprehensive capabilities to meet the customer's demand to ensure the Clients' successful completion of their projects. We often follow "whatever it takes attitude" to take on the challenge of different assignments, raising our performance bar to be counted as one of the most trusted service companies in the emerging market.

At the same time O&M Solutions pledges to adhere to our core values of integrity, Fairness, Accountability and Social Responsibility in order to achieve a sustainable growth for its people, clients, society and the environment.

We at O&M Solutions would like to thank the patronage of both our trusted clients and the people of O&M. Solutions who have made this Company such a great success. We will continue to strengthen our comprehensive capability to take on new challenges with speed and enthusiasm that the market has come to expect from us.

Daje Rr Sinkler & President: & GEO O&M Solutions



# THE COMPANY

#### Who We Are

Established in 2005, O&M Solutions ("OMS") has rapidly grown to a multinational company operating across the globe.

For more than twenty five years, the founding partners of O&M Solutions have served the power industry. Their experience ranges from development, construction; testing and commissioning to day to day operations and maintenance of some of the most modern power plants in the emerging region.

We provide specialized management consulting services and technical expertise to clients involved with power plant projects and other energy applications. Our project experience is global and includes pulverized coal, oil and gas fired boilers and turbine generator sets, combined and simple cycle merchant and cogeneration power plants: We have also provided services to numerous other projects such as diesel power units and biomass projects.

We currently have operations in Asia and Africa: We have built an outstanding track record for excellence, because we know that our future depends on positive performance and earning the client's respect through hard work.

#### What We Do

OMS is a company completely dedicated to the professional management of thermal and renewable, power generation assets. Since our start in 2005 we have added value to numerous projects located in various parts of the world Our experience and management services cover every phase of a power project; from development through asset management of nearly every conventional and alternative energy technology.

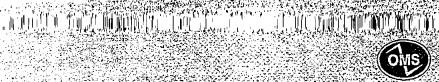
Our services are marked by our commitment to provide the right approach to meet our clients needs. Capabilities, we've applied successfully include:

- Project Development & Technical Consulting
- Project management
- Operation & Maintenance.
- Commissioning Management & Startup Services
- Asset Acquisition and Transition Support Services

To compete in today's market; a company must make every effort to keep costs down and revenues up. O&M Solutions can provide the solutions cost effectively, without sacrificing the quality

We proudly offer to provide all of these services with the confidence that comes from having done so, successfully, many times as "Owner Engineer", "Independent Engineer", "Technical Adviser", and "O&M Operator".





# MISSION & VALUES

For more than 20 years each of our partners has made it a personal quest to serve the market and the people they represent with respect and integrity. This philosophy has transformed into the ethics and becomes the guiding force for the conduct of OMS services.

## Mission Statement

Our mission is to provide alternative operation and maintenance solutions, in a manner that is consistent with our core values.

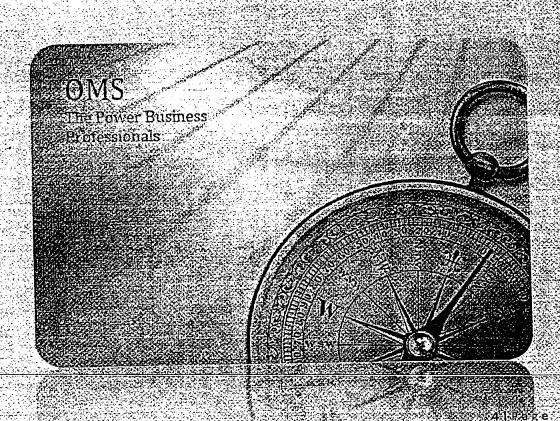
The Mission of OMS is to be a World Class Company, through our strong belief in people and a desire to make the difference real. Many companies employ people to run a business, whereas OMS has made it its Mission to transform the Company Which recognizes its people as driving force and the asset of the Company.

OMS believes that its Mission supersedes its profits. Like any other commercial organization, earnings are equally important to us but at the same time, we also believe that profits are a consequence of serving society well, by fulfilling our Mission.

# Values

These values serve as the beacon light and a compass for our business. The values are:

- ∫ Integrity;
- Fairness;
- Accountability; andSocial Responsibility
- O&M Solution's Values and Principles are the "glue" that hold our company together, worldwide, despite being a collection of unique businesses, set in vastly distinct cultures.





# ISO CERTIFICATION

The adoption of a ISO 9001:2015 Quality Management System; ISO 14001:2015, Environmental Management System and OHSAS 18001:2007 Occupational Health & Safety Management System is a strategic decision of OMS (Private) Limited that can help to improve its overall performance and provide a sound basis for sustainable development initiatives:

The OMS achieved a key benchmark with the award of the ISO 9001:2015 ISO 14001:2015 and OHSAS 18001:2007 certificate by the SGS.
Hence crossing an important milestone and

adopting the Integrated Management System (IMS) within OMS:

The journey for excellence shall, however continue as the Company is required to not only maintain its impeccable health and safety standards but also to improve them within the spirit of continual improvement enshrined in the ISO standards. The certification has strengthened the management structure of the Company that has enhanced the achievement of the Company's corporate objectives:





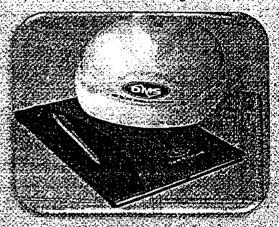
# OMS HEALTH & SAFETY POLICY

The most-important aspect of our business is Safety. Whatever we do at OMS every day, every moment, we strive to work in a safe: manner without compromising safety for expediency. It is the policy of OMS to set high standards of health & safety prior to commercial again. The objective of this OMS's policy is to promote Good Health and an elevated level of Safety. At OMS, we will firmly adhere to the Safety Policy to protect ourselves, our customer, the environment, and the community in which we do business. We believe that excellence in the management of health and safety is an essential element within our overall business plan. The identification, assessment and control of health and safety risks are of equal: importance to production and quality.

As a basic requirement, all of the OMS personnel will learn and maintain a comprehensive knowledge of the Safety. Rules. This is the responsibility of all OMS people to ensure that all contractors, who carry out any activities on site, fully understand and follow the safety policies and procedures. In OMS, we expect each OMS person to be flexible and attempt to do

"Whatever, it: takes" to be productive and innovative: However, this is not true when it comes to Safety.

Our avowed policy at CMS is to remain a committed to health, safety, environment and quality prior to commercial gain. People are



the greatest assets that we possess and are possessed with We, yearn to make the difference real by providing quality services from design review, construction management and operation and maintenance besides multitudes of other related jobs in the power sector.

We believe that any job done at the cost of safety is a bad job, no matter how quick, efficient or financially advantageous it may be. When it is difficult to perform a job in a safe manner or a job falls outside our written and approved procedures contained in our Occupational Health & Safety Manual, we make all the efforts and abilities at our command to seek a safe way that can be adopted and implemented.



# SERVICES PROVIDED BY OMS

In addition to providing complete O&Mmanagement, OMS has unique experience in all aspects of power industry, from the development to construction, and from commissioning to Operations & Maintenance of the power plants and transmission grids:

OMS always strives for providing value added services to its clients. The team members of OMS including the founding partners are highly experienced and skilled for providing quality and timely services to the customers.

OMS is a unique service provider in the sense that its services are blended with rich O&M experience; which gives manifold long-term both monetary and non-monetary dividends to power producers and distributer. We bring many fresh and workable innovative ideas during the design and construction stage of the project which otherwise would be difficult to implement. The quality of our work can be viewed from the satisfaction of our valuable clients.

The OMS team has hands-on experience of working in large power projects worldwide. Therefore, it: would be appropriate here to mention that OMS is completely aware of the efforts required to be made for setting up a green field and brown field project. Hence, we don't limit ourselves strictly to the scope of work of the assignment but go a step forward by adopting Owners Success Approach.

The following is a list of few of the services we provide for generation and transmission:

- Assistance in preparation of proposal for obtaining Letter of Intent (LOI) from concerned authorities;
- Assistance in preparation of petition for the respective Regulatory Authorities for obtaining Generation License & Tariff
- Provision of technical assistance during negotiations with Power Purchaser for size fuel and technology of the proposed plant;
- Preparation of Techno Economic Feasibility Report;
- Energy Conservation and Energy Audit;
- Load Flow Study, Short Circuit & Transient. Stability Study;
- Preparing pre-qualification documents e.g. RFQ, RFP;
- Preparing Detail Project Report for Lenders:
- Preparing EPC Technical Specifications;
- 9 Independent Engineers;
- Owner's Engineer;
- Project Implementation
- Financial Modeling, Tariff petition with Regulator and regotiation of projects agreements;
- Plant risk assessment;
- Technical financial and commercial due diligence for merger and acquisition transactions:
- 2 Power Plant Training.

# OWNER'S ENGINEER SERVICES A SUCCESSFUL APPROAGH

In today's turbulent and competitive market, all industries face a major challenge to reduce their cost of production. Electric power being one of the most expensive and a critical factor in their production process, enormous emphasis is placed on ensuring the maximum availability, and reduction in the cost of generation.

The modern and most efficient and effective approach to face this challenge is to outsource the

operation and maintenance of professional and reputable one-step ahead to accomplish providing services during the project while offering its and maintenance during

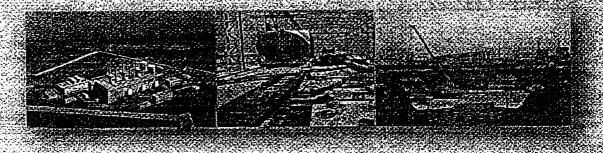
The Sponsor(s) i.e. the project does not have to taking the responsibility of construction and by employing new speople the responsibility to a involved in the project from the

OMS brings new and innovative solutions based on our experience and competence and implement it in design and construction stage of the project which otherwise would be difficult. This concept has been very successful in giving both short term and long-term dividends to the Sponsors'

the power plant to a company OMS has gone this objective by construction of the services for the operation operations

Owner(s) of the power reinvent the wheel of monitoring the commissioning activities rather than passing on professional group word go

OMS provides comprehensive Owner's Engineer and advisory services for power projects. Every Project is unique in the complex competitive marketplace in terms of technology, economics, regulation, environment, politics, contracts, and business. We have the technical expertise and industry experience to advise and address the strategic planning, design, engineering, construction, commissioning, operation, maintenance, and management phases of high-tech power projects.



OMS is focused on project's success that is the success of the Sponsors/Owners of the project. We clearly communicate the best options available to optimize the performance of the plant or project. We strive to deliver the most technically sound and financially successful project possible to our clients: We also offer complete, proven solutions and project oversight from conceptual phases through start-up, into operations, and beyond.



# RENEWABLE ENERGY

# A solution for tomorrow

Since inception OMS doesn't confined itself to any particular section of Energy Sector. As a result today, with our multidisciplinary team we are supporting our clients in their renewable (Wind/Solar) energy projects.



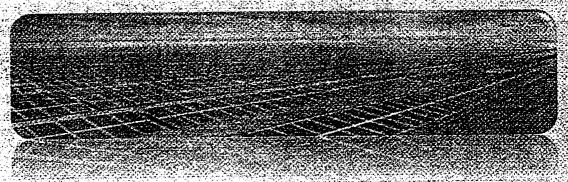
OMS has signed an agreement with AMM Capital of Spain and OWL Energy of Thailand to ensure that quality engineering services shall be provided at all level to our clients.

In the recent past OMS awarded by Zoriu Enerji (Private) Limited to provide consultancy services as Independent Engineer at 56.4 MW Zoriu Wind Power Plant at Jhimpir Sindh in Pakistan,

Our renewable energy team has Technical and Techno-Commercial understanding to support from the initial site selection and licensing, to completion and commissioning. The services consist in performing the following activities:

- Development of pre-feasibility study ,...
   and feasibility \$tudy;
- Assistance for preparing the RFPdocuments;

- Assistance for EPC tender and for contract negotiation;
- Bid evaluation;
- EPC Contract reviews;
- Engineering design review
- coordination of administrative decisions;
- * > * coordination of permitting process;
- Control, monitoring and coordination of the Contractor's activities;
- Supervision of project execution for both wind turbines and Balance of Plant
- Supplier factory inspections;
- Performance testing;
- Assistance for preparing the documents for the operation phase until the final take over





# THE MOST VALUABLE ASSET. YOUR PERSONNEL

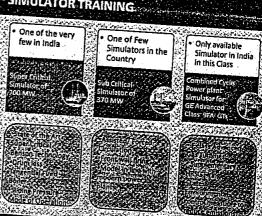




# OMS POWER TRAINING & RESEARCH INSTITUTE

## SIMULATOR TRAINING.

- > ISO 9001 accredited Institute.
- > OMSPTRI, recognized as Category-1 Institute by Central Electricity Authority Ministry Of Power, Govt. Of India.
- > Mandated by Government of India to provide training on Thermal; Hydro and Power Management.
- >. Highly experienced Faculties & Professionals
- > An institute first of its kind in Eastern India.



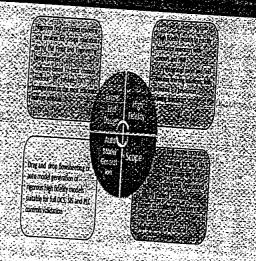
#### OUR VISION

Developing human resources with Skills, knowledge and leadership to serve the society with a difference.

# **OUR INFRASTRUCTURE**

## **OUR CAPABILITIES**

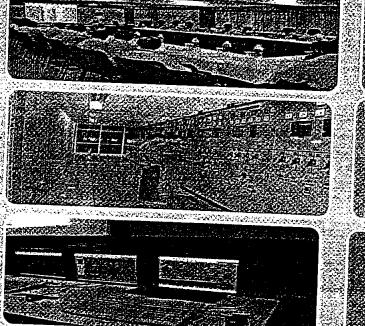
- > Highly experienced faculties with hands on power plant experience
- > State of the art Simulators ( sub Critical Supercritical; Combined Cycle power Plant)
- > Web Based Training
- E-library
- ➢ Wi-Fi environment
- ➤ Hostel Facility
- On job training at power plants, workshops and laboratories



# WHAT SETS US APART...

- Excellent industry experienced trainers and instructors
- State Of the Art training methodology including web based animated training modules, E-Library facility, hands on training at power plant
- Continuous knowledge updating through Strong Knowledge data base
- > Proactive Governing body
- > ISO 9001 Certified
- > Flexible Curriculum to meet mandatory requirements as well as customer needs
- ➤ The best platform for advanced simulator training
- Capable of providing on site customized training program at client's location

# OMSPTRI TRAINING METHODOLOGY



Joellstov expents

1900 ortegroy Web Based

Franke Program

On Site Training Program

Simulator Training

Program



Pakistan Defence Officers Housing Authority 2/B East Street, Phase-I, DHA. Karachi-75500 (Pakistan) Phones: 021-5886401-5 - Fax: 021-5886406

in renly, please quote:
DHA/DCK/CA/D&C/08/2020

Date: <u>09 Dec 2020</u>

M. Pakistan Environmental Planning & Architectural Consultants (Pvt) Limited, EPCM, Sheher Saaz (Pvt) Ltd & Zeeruk International (Joint Venture)
D-24. Rashid Plaza, 3rd Floor. Blue Area.

Islamabad

Tel: 051-9212532, 9204721, Cell: 0314-9523455, 0312-5300029, Fax: 051-9224341

Subject: Consultancy Services Master Planning DHA City Karachi (North).

Dear Sir,

- 1. The Defence Housing Authority is pleased to award you the subject work with broad terms / conditions and remuneration mentioned in the following paragraphs.
- Scope of Work: The scope of work entrusted to "M/S Pakistan Environmental Planning & Architectural Consultants (Pvt) Limited, EPCM, Sheher Saaz (Pvt) Ltd & Zeerak International (Joint Venture)" is to provide Master Planning & Detailed Designing for the project according to international engineering practices alongwith its timely completion of the project.

3. Ouration :

a. Master Planning : 12 Monthsb. Detailed Designing : 60 Months

4. Remuneration

a. Master Planning : Rs - per Acre including 13% SST
b. Detailed Designing : of project cost including 13% SST

5. Project Control:-

a. Controlling Officer - Project Director DCK (North)

b. Engineer Incharge - To be nominated by PD DCK (North)

6. <u>CA No DHA/DCK/CA/D&C/08/2020</u> is allotted to this Contract which shall invariably be quoted in all your correspondence pertaining to this work.

7. Please attend the office within 10 days from the issuance of this letter to discuss contract formalities, sign and complete the contract agreement as per PEC documents and report to Project Director DCK (North) immediately after receiving this letter.

Copy to . 1) DCK Directorate (North)

2) DCK Directorate

31 Finance Directorate

4. Audit Directorate

5) Tech Section DCK

5) Site Office DCK

7) Quality Assurance Section

han HM (Retch Director Dem



R Ceritified

R Registered Consultants







#### Who Are We

Zeeruk International Pvf. Ltd. is a Dynamic Engineering
Gonsulting Firm. Zeeruk International offers High-Tech consulting
services in specialized fields as well as Multi-Disciplinary Projects
that require careful Planning, Creative Engineering, Impovative
Design, Transaction Advisory, responsive Client Communication
and Project Management, At Zeeruk International, our goal is to
achieve complete Client satisfaction along with full compliance
to the applicable Engineering and Transaction Advisory Tools,
Industry Standards and specifications for the better interest of
the end User.

ZEERUK is best in:

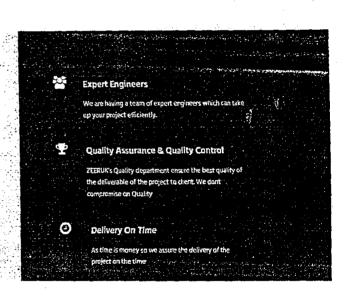
#### ZEERUK is best in:

Civil Engineering **Energy & Power** Transportation Construction MEP Water Resources Geo Technical Architecture Urban & Rural Transaction Development Advisory Project Planning Environment GIS & Surveying Value Engineering 🗢 Structures Material Testing and Labs

#### Our History

#### We have 18 Years Experience

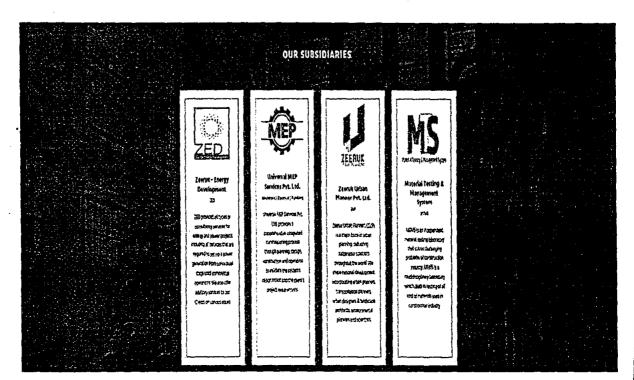
Zoeruk International Pvt. Ltd. is a Dynamic Engineering. Consulting Firm. Zeeruk International offers High-Tech consulting services in specialized fields as well is Multi-Disciplinary Projects that require careful Planning, Creative, Engineering, Innovative Design, Transaction Advisory, responsive Client Communication and Project Managament. At Zeeruk International, our goal is to achieve complete Client satisfaction along with full compliance to the applicable Engineering and Transaction Advisory. Tools, industry Standards and Specifications for the better Interest.



# Our Goals

At Zeeruls International, our goal is to adhere complete Chent satisfaction along with full completore to the applicable Engineering and Transaction Auvisory Tools, Industry Standards and specifications for the better internal of the end one. We understand that providing effective and efficient response to our Customers requires that we maintain a highly shalled and trained Printersonal Staff doing with the latest Emproving and Transaction Advisory Tools. As a Consulting form that applies for excellence in the business, we consider our Staff to be our most valued asset.

VALUE ENGINEERING	100%
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CLIENT SATISFACTION	100%
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Performance rate	100%
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## Pakistan Defence Officers Housing Authority 4

2/B East Street, Phase-I, DHA, Karachi-75500 (Pakistan) Phones: 021-35886401-5 - Fax: 021-35886406

In reply, please quote : DHA/DCK/CA/D&C/06/2019

Date : 20 Nov 2019

M/S HQ 494 Engineer Group (FWO),

Karachi (Cantt)

Tel: 021-021-99201625

Fax:

Subject:

Construction of Boundary Wall at DCK North, DHA City Karachi.

Dear Sir,

- 1. Defence Housing Authority is pleased to award the above work as per scope of work detailed in the Bill of Quantities.
- 2. <u>Measurement Contract</u>: The contract shall be measurement contract based on actual quantity of work as executed. The measurement shall be done jointly.
- 3. Amount
- 4. <u>Payment</u>: The payment shall be made through running bills (less retention money, taxes and deduction on account of mob advance).
- 5. <u>Mobilization Advance (Interest Free)</u>: Advance against Bank / Insurance Guarantee will be released as Mobilization Advance.
- 6. Time : The job will be completed in 12 Months from the date of issuance of  $1^{nt}$  written work order.
- 7. <u>Defect Liability Period</u>: One year shall be the defect liability period during which defects if any shall be rectified which shall occur due to the use of material or workmanship not in accordance with the contract specifications.
- 8.. Rate/Scope of work: As per Schedule-'A' attached.
- 9. Specifications: As given in attached Schedule-'A'.
- 10. Design/Sketch/X-Section: As given in Bidding Documents.
- 11. <u>As Built Drawings</u>: With handing / taking over proceedings of the works two copies of "As Built" drawings along with tracing copy will be submitted, free of cost.
- 12. Project Control

a. Controlling Officer:

Project Director DCK

b. Engineer In charge :

To be nominated by Project Director DCK

- 13. <u>Documents</u>: Following documents will always be kept at site duly updated and presented on demand by any offr of DHA.
  - . a. Inspection Book
    - Site Order Book
    - c. Daily Diary

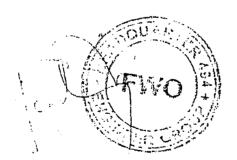
- reformance sound/Security: You are required to submit the performance security in the prescribed form for the proper performance of this contract within 28 days of receipt of this letter. The performance security shall be of an amount equal to 10% of the contract price. The performance security may be in the form of either (a) bank guarantee from any Scheduled Bank in Pakistan or (b) bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan or an insurance company having at least AA rating from PACRA/JCR.
- 15. CA No. DHA/DCK/CA/D&C/06/2019 is allotted to this contract which shall invariably be quoted in all correspondence pertaining to this work.
- 16. DHA reserves the right to cancel / suspend / terminate the project at any time without any obligation whatsoever.
- 17. Please attend this office to sign and complete the contract agreement (as per procedure in vogue), prepared on PEC Documents. You may report to Controlling Officer at Superhighway, DHA City Karachi immediately after receiving this letter.
- 18. Please report in this office within 10 days from issue of this letter to sign the contract documents.

Shoeb Raza Mallick (Retd).
Director D&C

Copy to: 1) DCK Directorate

Together with Schedule-'A' & Drawing/Sketch. Work order will only be issued after receipt of satisfactory work schedule from contractor indicating each activity and %age progress on monthly basis.

- 2) Finance Directorate
- 3) Audit Directorate
- 4) Tech Section DCK
- 5) Site Office DCK
- 6) ADHA's Inspection Team

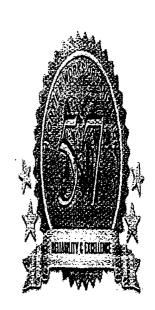




HOME ABOUTUS OUR CAPABILITIES PROJECTS MEDIA CAREERS CONTACT English



The Frontier Works Organization (FWO), recognized as Pakistan's foremost engineering and construction entity, emerged in October 1966 with the mandate to construct a land link across the highest mountain ranges in the world—the Karakoram Highway (KKH). This mighty highway, commonly known as the 'Eighth Wonder of the World,' stretches approximately 1,300 kilometers, connecting the all-weather friends Pakistan and China through the Khunjerab Pass at an altitude of 4,693 meters...







# Ourvision

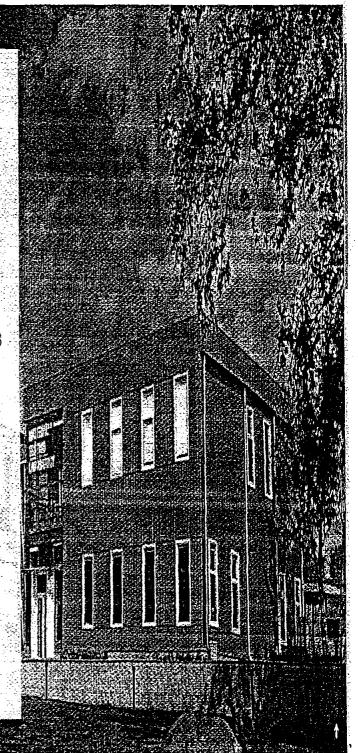
To be the premier Civil Engineering Construction Organization in Pakistan.

# Our mission

Strive for excellence and constantly move towards new peaks of engineering competence. Seek and execute national and international projects with a locus on generating economic and social value for all stakeholders.

# Ourvalues

- O Courage (Integrity, Honesty, Accountability)
- Respect (Courtesy, Ethics, Diversity, Gender Equality)
- Teamwork (Reliability, Trust, Partnerships, Encouragement)
  - D Excellence (Client Facus, High Performance, Agility, Quality, Innovation)
  - 1 Learning to Grow (Expertise, Collaboration, Change)







# Pakistan Defence Officers Housing Authority

2/B East Street, Phase-I, DHA, Karachi-75500 (Pakistan) Phones: 35886401-5 - Fax: 35886406

In reply, please quote: DHA/DCK/CA/D&C/21/2017

Date: 09 Aug 2017

M/S HQ Project Directorate NLC (South),

New Haji Camp, Sultanabad,

Karachi

Tel: 021-99205459

Subject:

Campsite Solar Parks & Building Roof Tops Project at DHA City Karachi -

Enhancement of Capacity (1.1 MW to 1.5 MW)

Step-Up Transformer Component.

38 Sec. 2503

Dear Sir,

1. Defence Housing Authority is pleased to award the above work as per scope of work detailed in the Bill of Quantities.

2. <u>Lump Sum Contract</u>: The contract shall be lump sum contract.

#### 3. Amount:

- 4. Payment: The payment shall be made through running bills (less retention money, taxes and deduction on account of mob advance). 25% Advance against Bank Guarantee will be released as Mobilization Advance.
- 5. <u>Time</u>: The job will be completed in <u>03 Months</u> from the date of receipt of Engineer's Notice to commence.
- 6. <u>Defect Liability Period</u>: One year shall be the defect liability period during which defects if any shall be rectified which shall occur due to the use of material or workmanship not in accordance with the contract specifications.
- 7. Rate/Scope of work: As given in CA No DHA DHA/DCK/CA/D&C/05/2014.
- 8. Specifications: As given in CA No DHA/DCK/CA/D&C/05/2014 & Anx-A.
- 9. Design/Sketch/X-Section: As enclosed.
- 10. As Built Drawings: On completion of the works two copies of "As Built" drawings along with tracing copy will be submitted, free of cost.

#### 11. Project Control

a. Controlling Officer:

**Project Director DCK** 

b. Engineer In charge: To be nominated by Project Director DCK

Snring Engrs Contracts O NCC Project Dte NLC South E NCS (1jaz Ahmed)





- Documents: Following documents will always be kept at site duly updated and presented on demand by any offr of DHA.
  - Inspection Book
  - Site Order Book b.
  - Daily Diary
- M/S Schneider Electric Pakistan (Private) Limited, D-163, S.I.T.E., Karachi, is maminuted subcontractor for Step-Up Transformer component. Direct Payment to nominated sub-contractor to be made by DHA as per clause 52 & 59 of CA No DNA/DCK/CA/D&C/05/2014 dated 30 Jan 2015. All technical responsibilities and lightlitics of Step-Up Transformer related works shall be sole responsibilities of M/3 Schneider Electric Pakistan (Private) Limited.
- Performance Bond/Security: M/S Schneider Electric Pakistan (Private) Limited Is required to submit the performance security in the prescribed form for the proper previormance of this contract within 28 days of receipt of this letter. The performance security shall be of an amount equal to 10% of the contract price. The performance security may be in the form of either (a) bank guarantee from any Scheduled Bank in Pukistan or (b) bank guarantee from a bank located outside Pakistan duly counterguaranteed by a Scheduled Bank in Pakistan or an insurance company having at least AA rating from PACRA/JCR.
- CA No. DHA/DCK/CA/D&C/21/2017 is allotted to this contract which shall invariably be quoted in all correspondence pertaining to this work.
- Please attend this office to sign and complete the contract agreement (as per procedure in vogue), prepared on PEC Documents. You may report to Controlling Officer at Superhighway, DHA City Karachi immediately after receiving this letter.
- Please report in this office within 10 days from issue of this letter to sign the contract documents.

Lt Col (Retd) Snr Mnor Engrs Contracts Project Dte NUC South

(ijaz Ahmed)

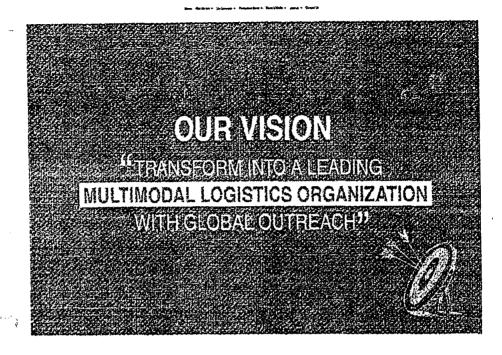
Col Shoeb Raza Mallick (Retd) Director D&C

Copy to: 1) DCK Directorate

Together with Schedule-'A' & Drawing/Sketch. Work order will only be issued after receipt of satisfactory work schedule from contractor indicating each activity and %age progress on monthly basis.

- 2) Finance Directorate
- 3) Audit Directorate
- 4) Tech Section DCK
- 5) Site Office DCK
- 6) ADHA's Inspection Team
- 7) M/S Osmani & Co (Pvt) Ltd





Transform Into A Leading Multimodal Logistics Organization With A Global Outreach



#### -- About Us

National Logistics Corporation (NLC) is the premier multimodal logistics organization of Pakistan with a rich history of offering multiple solutions to its valued clients for more than four decades. NLC supports growth of national economy by ensuring uninterrupted logistics cycle through ERP enabled fleet management system handling bulk of domestic and regional cargo. NLC employes multimodal means of transport including road, train, sea and air to provide end-to-end solutions. NLC's capability is further augmented by a network of dry ports and warehousing facilities in major commercial hubs and gateway towns of Pakistan. NLC is also operating border terminals that act as trade facilitation centers in movement of goods. NLC operates under the ambit of Ministry of Planning, Development and Special Initiatives (PD&SI) and functions through National Logistic Board (NLB), headed by Deputy Chairman Planning Commission. NLC is a self-sustained organization, which has impressively transformed itself with regard to capacity building, efficiencies, digitization and automation.



#### Vision

Transform NLC into a leading multimodal logistics organization of Pakistan with global outreach, integrating select support businesses, complying with social responsibilities while ensuring sustelnable growth in order to provide futuristic and comprehensive logistics solutions for the development of industry and business in Pakistan.



#### Mission

Emerge as a leading logistics organization while pursuing exigent business opportunities, driven by the highest ethical standards, financial discipline, and international best practices. Also, support the Government of Pakistan and Pakistan Army in emergencies.

#### **Core Values**



#### Quality

Otality is the cardinal value that forms the basis of all strategies chasted out by NLC, which is ensured right from the conceptualization of on ities to its successful accomplishment.



#### Timely Deliverance

NLC firmly believes that time is of the essence in the success of any business venture. That is the reason the organization always keeps the performance ber at the optimum and sets tight timelines to accomplish assigned tasks as per the client's demand.



#### Teamwork

Team work is the essence of our core values, which results in happiness, learning and productivity.



#### Commitment & Dedication

Unwavering commitment and dedication are the keys to the success of business strategies. NLC commits its best possible human and material resources to preserve, promote, and protect the interests of clients.



#### Learning & Innovation

Initiatives are encouraged at all levels, which is considered as an essential catalyst for growth and institutional development.



## Social Responsibility

We believe in serving the nation with utmost dedication and in every possible manner, which is reflected in numerous voluntary projects being undertaken by NLC.



Pakistan Defence Officers Housing Authority 2/B East Street, Phase-I, DHA, Karachi-75500 (Pakistan) Phones: 021-35886401-5 - Fax: 021-35886406

In reply, please quote : DHA/DCK/CA/D&C/35/2017

Date : 27 Nov 2017

M/S Pak Elektron Limited,
Office No 503, 5th Floor,
Anum Empire, Main Baloch Colony Bridge,
Shahrah-e-Faisal,
Karachi
Tel: 021-32200951-4, 32200134, 32312988

Tel: 021-32200951-4, 32200134, 32312988, 32202990 Fax: 021-32310330

## Subject: Electrical Works in Sector-1 (Package-1) at DHA City Karachi.

Dear Sir,

3.

- Defence Housing Authority is pleased to award the above work as per scope of work detailed in the Bill of Quantities.
- 2. Measurement Contract: The contract shall be measurement contract based on netual quantity of work as executed. The measurement shall be done jointly.

Amount

- 1. Payment: The payment shall be made through running bills (less retention money, taxes and deduction on account of mob advance).
- Mobilization Advance (Interest Free): An interest-free Mobilization Advance upto 15% of the Contract Price shall be paid by the Employer to the Contractor in two equal parts upon submission by the Contractor of a Mobilization Advance Guarantee / Bond for the full amount of the Advance in the specified form from a Schedule Bank in Pakistan or Insurance Bond by an Insurance Company having atleast AA rating from PACRA / JCR or as per Employer's rules and regulations as per Clause 33.1 of PCC:-

Second part within 42 days from the date of payment of the first part, subject to:-

First part within 14 days after signing of the Contract Agreement; and

(1) Third Party Insurance (Contractor's all risk policy) as per Clause 43.3 of PCC.

The standard of the same

(2) Provision of First aid facilities as per Clause 14.2 of PCC.
 (3) Maintenance of Site Order Book as per Clause 32 of Specifications -

- Special Provisions.

  (4) Submission of construction schedule as per Clause 12.1 of GCC and PCC.
- (5) Satisfaction of Engineer regarding mobilization of contractor on site and progress of works according to approved schedule submitted by the contractor.
- the contractor. T i m e: The job will be completed in 12 Months from the date of receipt of
- 7. <u>Defect Liability Period</u>: One year shall be the defect liability period during which defects if any shall be rectified which shall occur due to the use of material or workmanship not in accordance with the contract specifications.
- 8. Rate/Scope of work: As given in Bidding Documents.

Engineer's Notice to commence.

As Built Drawings: With handing / taking over proceedings of the works two copies of "As Built" drawings along with tracing copy will be submitted, free of cost.

## 12 Project Control

a. Controlling Officer:

Project Director DCK

b. Engineer In charge:

To be nominated by Project Director DCK

- 1.3. <u>Documents</u>: Following documents will always be kept at site duly updated and presented on demand by any offr of DHA.
  - a. Inspection Book
  - b. Site Order Book
  - c. Daily Diary
- Performance Bond/Security: You are required to submit the performance security in the prescribed form for the proper performance of this contract within 28 days of receipt of this letter. The performance security shall be of an amount equal to 10% of the contract price. The performance security may be in the form of either (a) bank guarantee from any Scheduled Bank in Pakistan or (b) bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan or an insurance company having at least AA rating from PACRA/JCR.
- 15. <u>CA No. DHA/DCK/CA/D&C/35/2017</u> is allotted to this contract which shall invariably be quoted in all correspondence pertaining to this work.
- 16. DHA reserves the right to cancel / suspend / terminate the project at any time without any obligation whatsoever.
- 17. Please attend this office to sign and complete the contract agreement (as per procedure in vogue), prepared on PEC Documents. You may report to Controlling Officer at Superhighway, DHA City Karachi immediately after receiving this letter.
- 18. Please provide One (01) licensed copy of the General Conditions of Contract (GCC) (as per tender documents) for preparation of Contract Agreement immediately.
- 19. Please report in this office within 10 days from issue of this letter to sign the contract documents.

EL S

Copy to: 1) DCK Directorate

Col Shoeb Raza Mallick (Retd) Director D&C

Together with Schedule-'A' & Drawing/Sketch. Work order will only be issued after receipt of satisfactory work schedule from contractor indicating each activity and %age progress on monthly basis.

2) Finance Directorate

3) Audit Directorate

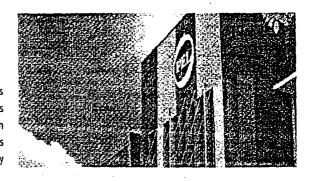
4) Tech Section DCK5) Site Office DCK

6) ADHA's Inspection Team 7) M/S Osmani & Co (Pvt) Ltd

# THERE IS A PEL

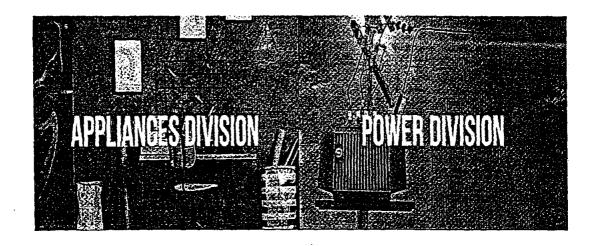
## IN EVERY HOME!

PEL contributes in your lives every day, by providing you not just appliances for a better lifestyle, but with Power products like transformers, switch gears and energy meters. We are the pioneers of electrical manufacturing in Pakistan and we are here to make a difference in your lives whether it is through taking care of your home, your lifestyle, making your day to day activities easier or by helping you save energy.



# WE ARE HERE TO "CHANGE YOUR LIFE". Since its inception, PEL has been operating keeping in view the philosophy of innovation and advancement. It has consistently contributed in the development of engineering sector in Pakisturi, keeping in mind the National Interest and consumer welfare, it has introduced a range of quality electrical equipments and home appliances by producing hundreds of engineers, skilled workers and strough its apprenticeship schemes and training programmes. Until the acquisition by Selgol Group, PEL was solely careing the power equipment market but in 1981 the company ventured into home appliances market in 1981 as a part of Group's long term strategy of diversification.

# PEL GROUP HAS TWO DIVISIONS



# **VISION & MISSION STATEMENT**



Mission



## Vision

To excel in providing engineering goods and services through continuous improvement.

To provide quality products and services to the complete satisfaction of our customers and maximize returns for all stakeholders through optimal use of resources. To promote good governance, corporate values and safe working environment with strong sense of social responsibility.

## **TIMELINE**

1956



PEL Company was established.

1000



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1978

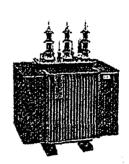


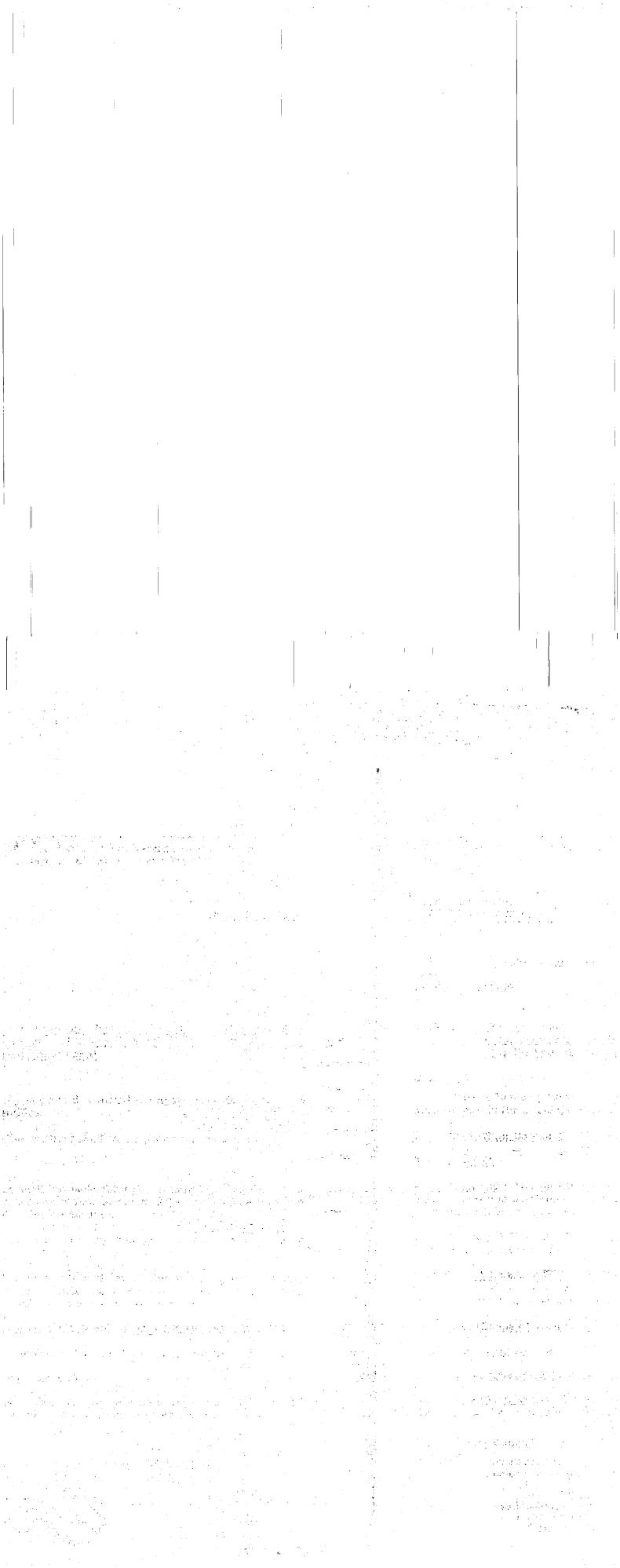
PEL acquired by Salgol Group of Companies.

# DISTRIBUTION TRANSFORMER

Fig. depretation of any action of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th











# Pakistan Defence Officers Housing Authority

2/B East Street, Phase-I, DHA, Karachi-75500 (Pakistan) Phones: 35886401-5 - Fax: 35886406

In reply, please quote 1011A/DCK/CA/D&C/11/2016

Date: 06 Jun 2016

M/S Badar Engineering Works, C 175, Block-9, Gulshan e lqbal, Bear Aziz Bhatti Park, carachi Tel 024 34821159, 34831160 bas 021 34821179

Subject Electrical Works in Sector-3 (Package-1) at DHA City Karachi.

incarent,

the Appleace Hopering Authority is pleased to award the above work as per scope of work detailed in the Hill of Quantities.

Measurement Contract: The contract shall be measurement contract based on a track quantity of work as executed. The measurement shall be done jointly.

#### កព្រំហើយ 🕝

Payment: The priving at shall be made through running bills (less retention money, taxes and definetion on account of mob advance).

Engineer's Notice to confinence

- Defect Liability Period: One year shall be the defect liability period during which defects if any shall be rectified which shall occur due to the use of material or workmanship not in accordance with the contract specifications.
  - 7. Rate/Scope of work: As given in Bidding Documents.
  - 8. Specifications As given in Bidding Documents.
  - 9. Design/Sketch/X-Section: As given in Bidding Documents.
  - 10. As Built Drawings: On completion of the works two copies of "As Built" drawings along with tracing copy will be submitted, free of cost.

#### 11. Project Control

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Controlling Officer : Engineer In charge :

Project Director DCK

To be nominated by Project Director DCK



- 12 <u>Documents</u>: Following documents will always be kept at site duly updated and presented on demand by any offr of DHA.
  - a. Inspection Book
  - b. Site Order Book
  - c. Daily Diary
- Performance Bond/Security: You are required to submit the performance security in the prescribed form for the proper performance of this contract within 28 days of receipt of this letter. The performance security shall be of an amount equal to 10% of the contract price. The performance security may be in the form of either (a) bank guarantee from any Scheduled Bank in Pakistan or (b) bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan or an insurance company having at least AA rating from PACRA/JCR.
- 14. <u>CA No. DHA/DCK/CA/D&C/11/2016</u> is allotted to this contract which shall invariably be quoted in all correspondence pertaining to this work.
- 15. Please attend this office to sign and complete the contract agreement (as per procedure in vogue), prepared on PEC Documents. You may report to Controlling Officer at Superhighway, DHA City Karachi immediately after receiving this letter.
- 16. Please report in this office within 10 days from issue of this letter to sign the contract documents.

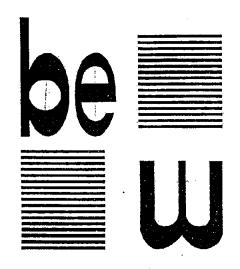


Zarrar Razzaque TI(M) (Retd) A/Drector D&C

Copy to: 1) DCK Directorate

Together with Schedule-'A' & Drawing/Sketch. Work order will only be issued after receipt of satisfactory work schedule from contractor indicating each activity and %age progress on monthly basis.

- 2) Finance Directorate
- 3) Audit Directorate
- 4) Tech Section DCK
- 5) Site Office DCK
- .6) ADHA's Inspection Team
- 7) M/S Osmani & Co (Pvt) Ltd



# Badar Engineering Works

Civil, Electrical & Mechanical

**COMPANY PROFILE** 

Address: C-175 Block # 09, Near Aziz Bhatti Park, Gulshan-e-Iqbal, P. O. Box 10339, Karachi-Pakistan

Telephone: 34821159-60 & 87

Fax: 34821179

E-mail: info@badarengineering.com

#### THE COMPANY

**Badar Engineering Works** is operating since 1965, as an Electrical, Mechanical & Civil Contractors and problem solvers in these fields.

It's phenomenal growth has appreciably came a long way, dedicated to be renown in the field of electrical, mechanical & civil engineering works. It enjoys the reputation of being known as amongst one of the dependable engineering/constructions company's all over Pakistan. We have achieved this through continuous improvement in the level of expertise of our staff along with the induction of present-day technology. We look forward to amicably solve all related problems and engineering deficiencies encountered in the industry.

We have an enthusiastic team of very qualified professionals—experts in their respective fields. We have evolved a very flexible organizational structure to suit the specific project needs. Our commitment is to provide services of the highest quality acceptable at international standards with reasonable charges suitable to Pakistan standards.

Our existence in this field for the past years speaks for itself. We plan to grow further at a higher pace in future, in this country with the objectives that we will maintain our history and good name which our ancestors have earned due to sheer hard and quality work.

We stay true and unbiased when it comes to provide our services in the development of this country through our valued customers.

Basic information about our company setup / particulars is provided on the following pages.

## 2. COMPANY PARTICULARS

Registered Office

C – 175, Block # 09, Gulshan – e – Iqbal, Near Aziz Bhatti Park, Karachi 75300, Pakistan

Mail Address

E-mail Address

Management

Mr. Ozair Naseer

Mr. Zohair Naseer

Mr. Arsh Naseer

Mr. Faisal Naseer

Mr. Zulqumane Naseer

Pakistan Engineering Council

License No

Electrical License No.

N.T.N No.

SRB

Membership

P. O. Box 10339,

Karachi 75350.

info@badarengineering.com

(Chief Executive Officer)

(Chief Operating Officer)

(Executive Director)

(Director Projects)

(Director Operation)

CA-641: Speak cattleact

KC-1613

2698712 - 7

2698712 - 7

Member of Karachi

Chamber of Commerce

& Industries Karachi Electrical Contractors

Association

**Summit Bank Limited** 

**Bankers** 

# 3 OUR PERSONNEL

TECHNICAL PERSONNEL	
Mr. Zahid Rasheed — Engineer (Civil) Mr. Aftab Siddiqui — Architect (Planning) Mr. Obaid-Ur-Rahman — Engineer (Elect) Ms. Zill-e-Huma — Engineer (Elect) Mr. Muhammad Ahsan Umer Qureshi Mr. Muzammil Saleem Syed Hussain Ali  Mr. Ahsan Mughal — Engineer (Civil) Mr. Talha Abid	Advisor - Technical Advisor - Planning Advisor - Electrical Sr. Engineer (Electrical) Sr. Engineer (Electrical) Sr. Engineer (Electronics) Sr. Engineer (Elect.) / Project Manager Jr. Engineer (Civil) Jr. Engineer (HVAC)
Computer Network Engineer	02 Positions
Sub-Engineers	03 Positions
Field Supervisor (Civil, Electrical, Mechanical) Surveyor	06 Positions 02 Positions
Foreman (Civil, Electrical, Mechanical)	06 Positions
Store Incharge	02 Positions
Diesel Mechanic	01 Position
Machine Operator	02 Positions
Electrician Skilled Labor	04 Positions 15 Positions
Unskilled Labor	25 Positions
Helper	10 Positions
ADMINISTRATIVE	
Admin Officer	01 Position
Accountant	01 Position
Cashier Office Assistant	01 Position
Data Entry Operator	02 Positions 02 Positions
Messenger	02 Positions
Purchaser	02 Positions
BUSINESS DEVELOPMENT	
Business Development Officer Marketing Officer	01 Position 01 Position

## BADAR ENGINEERING WORKS

# 4 OUR MACHINES & PLANTS, EQUIPMENT & TOOLS

List Machines & Plants		Qty
Diesel Generator (Black Start)		. 03
Welding Generator (Diesel Engine Driven)	·	02
<ul> <li>Welding Transformers (Pakistan Oxygen)</li> </ul>		10
Organ Welding Plant		12
List Personal Protective Equipment		Qty
<ul> <li>Hard Hat</li> </ul>		05
<ul> <li>Safety Glasses with Side Shields</li> </ul>		20
<ul> <li>Steel Toed Shoes – Safety Shoes</li> </ul>		36
<ul> <li>Safety Gloves</li> </ul>		24
Small Flashlight		06
Tool Pouch and Belt		25
Log Out Tag Out Kit		08
		<i>3</i> − ₹.
Tool List Civil		Qty
Plate Compactors		03
<ul> <li>Vibrator</li> </ul>		06
• Truck		03
Tractor with Trolley		02
<ul> <li>Dozer</li> </ul>		01
<ul> <li>Dumper</li> </ul>		04
<ul> <li>Excavator</li> </ul>	·	02
Shawls		01
<ul> <li>Form Work (Plywood &amp; Steel Plate)</li> </ul>		40,000 Sf
Level Instrument		02
Theodolite		03

BADAR ENGINEERING WORKS
. :

	Misses	. BADAR ENG	INEERIN	IG WORKS
•	Wheel Barrow			15
•	Water Truck / Bowser			02
•	Mixing Machine		•	04
•	Grader			02
•	Air Compressor			05
•	Concrete Mixer Machine			04
•	Scaffolding Pipes			30,000 Rft
Tool I	List Electrical		-	Qty
•	Wire Stripper with Screw Cutter			25
•	Side Cutting Pliers W/Fish Tape Puller			20
•	Diagonal Cutting Pliers W/Angled Head			10
•	Long Nose Pliers 6"	•		12
•	Tongue & Groove Pliers 10"			10
•	Tongue & Groove Pliers 12"			06
•	Multi-Crimp Tool			06
•	Conduit Deburring Tool			05
•	Triple Tap			02
•	Scratch Awl			05
•	Phillips Screwdriver	•		20
•	Slotted Screwdriver 3/16 – 6"			10
•	Slotted Screwdriver 1/4"- 4"		•	20
•	Slotted Screwdriver 5/16 - 6"			20
•	Screw Driver Set			10
•	Electricians Hammer			10
•	Magnetic Torpedo Level			80
•	Tape Measure			10
•	Hacksaw With Blades (24 & 32 Teeth Per Inch)			10
•	Utility Knife			20
•	Electricians Knife			20

## BADAR ENGINEERING WORKS

Tool List Generator		Qty
NOx Analyzer		15
Digital Multimeter.		10
Dial Indicator and Force Gauge.	4	05
Dial Type Cylinder Bore Gauge Kit.		06
Cylinder Compression Tester.		06
Calipers.		10
Torque Set.		08
Honing Tool		10
Adjustable Seal Puller.		20
Valve Spring Compressor.		10
Jaw Gear Puller (For Bearing Removal).		10
Ring Compressor. (For Oil/Fuel Filter Removal)		06
Fuel Injection Tester.		10
Electric Blower		06
Inspection Mirror/Magnetic Set.		04
Air Compressor.		05



# Pakistan Defence Officers Housing Authority 4

2/B East Street, Phase-I, DHA, Karachi-75500 (Pakistan) Phones: 021-35886401-5 - Fax: 021-35886406

It ruply please quote : THIA/I ICK/CA/D&C/09/2023

Date: 15 Jun 2023

M/A Quiser Electric Company, Fig. 17. Block 13, Gulshan-e-Jamal, Many Book Al Habib, Karachi Tal. 0.000 2738055

Hobject: Electrical Works of Town Houses in Sector-14-B at DHA City Karachi.

Dear Mir.

Octence Housing Authority is pleased to award the above work as per scope of work shappled in the Bill of Quantities.

Measurement Contract: The contract shall be measurement contract based on within quantity of work as executed. The measurement shall be done jointly.

#### Amount:

Payment: The payment shall be made through running bills (less retention money, larges and deduction on account of mob advance).

Mobilization Advance (Interest Free): An interest-free Mobilization Advance upto be of the Contract Price shall be paid by the Employer to the Contractor in two equal parts upon submission by the Contractor of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Schedule Bank in Pakistan or as per Employer's rules and regulations as per Clause 33.1 of PCC:-

a. First part within 14 days after signing of the Contract Agreement; and

b. Second part within 42 days from the date of payment of the first part, subject to:-

(1) Third Party Insurance (Contractor's all risk policy) as per Clause 23.1 of GCC.

(2) Provision of First aid facilities as per Clause 19.3 of PCC.

(3) Maintenance of Site Order Book as per Clause 34 of Specifications – Special Provisions.

(4) Submission of construction schedule as per Clause 12.1 of GCC and

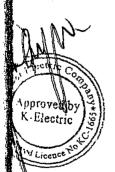
(5) Satisfaction of Engineer regarding mobilization of contractor on site and progress of works according to approved schedule submitted by the contractor.

6. <u>Secured Advance</u>. Secured advance will be given in case no mobilization advance is availed or only in case of no mobilization advance pending. Preference be given to secured advance over mobilization advance.

7. <u>Time</u>: The job will be completed in <u>06 Months</u> from the date of receipt of Engineer's Notice to commence.

8. <u>Defect Liability Period</u>: One year shall be the defect liability period during which defects if any shall be rectified which shall occur due to the use of material or workmanship not in accordance with the contract specifications.

9. Rate/Scope of work: As given in Bidding Documents.



**Appecifications**: As given in Bidding Documents.

Dosign/Sketch/X-Section: As given in Bidding Documents.

As Built Drawings: With handing / taking over proceedings of the works two copies 解"As Built" drawings along with tracing copy will be submitted, free of cost.

## Project Control

Controlling Officer :

Director Development DCK

Engineer In charge:

To be nominated by Dir Development DCK

- Documents: Following documents will always be kept at site duly updated and presented on demand by any offr of DHA.
  - Inspection Book
  - -b: · i Site Order Book
  - Daily Diary c.
- Performance Bond/Security: You are required to submit the performance security In the prescribed form for the proper performance of this contract within 28 days of receipt of this letter. The performance security shall be of an amount equal to 10% of the contract price. The performance security may be in the form of either (a) bank guarantee from any Acheduled Bank in Pakistan or (b) bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan or an insurance company having at least AA rating from PACRA/JCR of following insurance companies acceptable to DHA Karachi:-
  - Adamiee Insurance Co Ltd a.
  - IGI General Insurance Ltd b.
  - Jubilee General Insurance Co Ltd C.
  - EFU General Insurance Ltd

Lt Coi

- CA No. DHA/DCK/CA/D&C/09/2023 is allotted to this contract which shall invariably be quoted in all correspondence pertaining to this work.
- DHA reserves the right to cancel / suspend / terminate the project at any time without any obligation whatsoever. West for
- Please attend this office to sign and complete the contract agreement (as per procedure in vogue), prepared on PEC Documents. You may report to Controlling Officer at Super highway, DHA City Karachi immediately after receiving this letter.
- Please provide One (01) licensed copy of the General Conditions of Contract (GCC) (as per tender documents) for preparation of Contract Agreement immediately.

Please report in this office within 10 days from issue of this letter to sign the

contract document

Lt Col

Rizwan/Akran, TI(M) (Retd) A/Director D&C

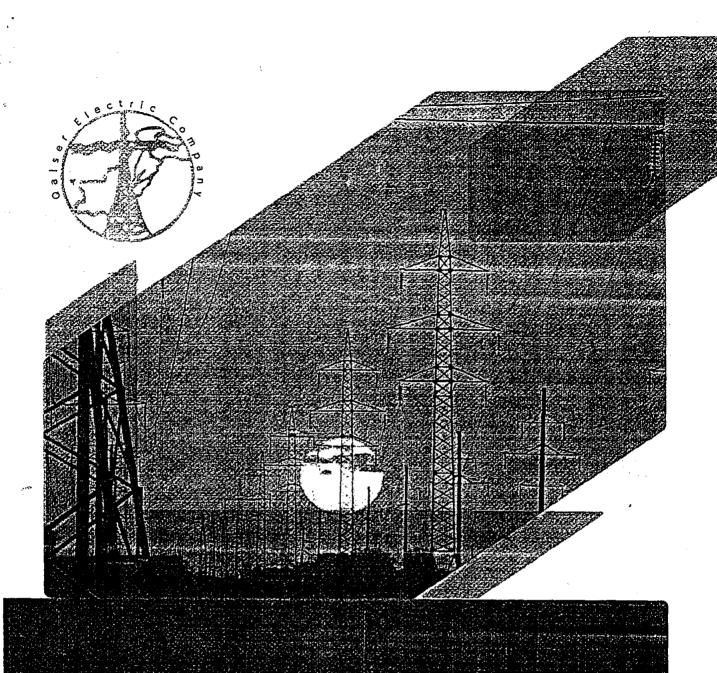
Copy to: 1) CE Branch EDB

- 2) DCK Directorate

Together with Schedule-'A' & Drawing/Sketch. Work order will only be issued after receipt of satisfactory work schedule from contractor indicating each activity and %age progress on monthly basis.

- 3) Finance Directorate
- 4) Audit Directorate
- 5) Tech Section DCK
- 6) Site Office DCK
- 7) Quality Assurance Section
- 8) M/S Osmani & Co (Pvt) Ltd



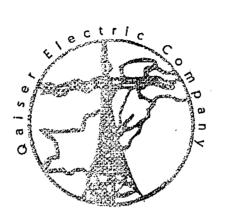


# QAISER ELECTRIC COMPANY

Installation of H.T L.T Bulk, Sub-Station 11 KVA Underground Cables

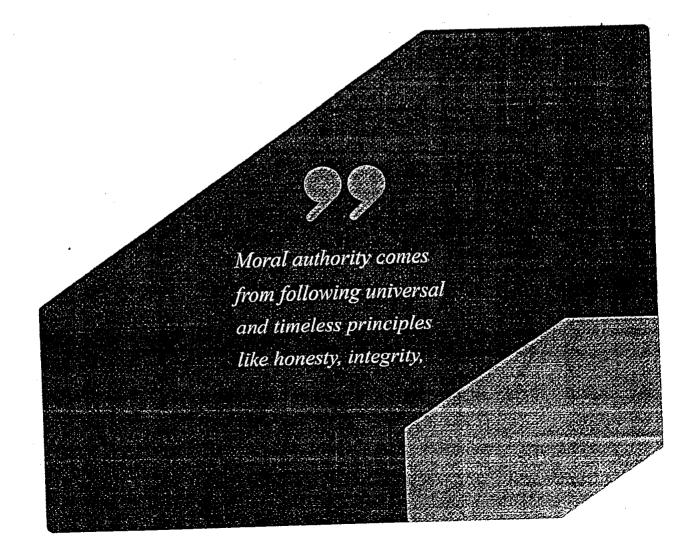
Approved by: K-Electric, Defence Housing Authority Pak PWD (GoP), Auqaf Department (GoS)

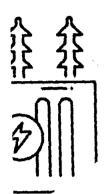
Gompany Profile





Company
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Our Clients	11
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Thank You Message	13

Qaiser Electric company is a reputable and prequalified electrical firm with K-Electric and DHA specializing in providing exceptional electrical engineering and construction services. With a proven track record of delivering successful projects, we have established ourselves as a trusted partner for clients seeking high-quality electrical solutions.

Our team of highly skilled and licensed electricians, electrical engineers, and project managers bring a wealth of expertise and experience to every project we undertake. We are committed to ensuring that our clients' electrical needs are met with precision and efficiency.

At Qaiser Electric Company, we understand the importance of staying up to date with industry standards and regulations. We hold all the necessary certifications and licenses, ensuring that our work meets or exceeds the highest quality and safety standards. Our dedication to continuous learning and professional development enables us to leverage the latest technologies and techniques to provide innovative solutions to our clients.

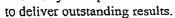
We take pride in our ability to successfully complete a wide range of electrical projects across various sectors, including commercial, industrial, residential, and institutional. Our diverse portfolio includes installations, maintenance, upgrades, and electrical system design.

Client satisfaction is at the heart of our business. We prioritize open and transparent communication throughout the project lifecycle, working closely with our clients to understand their unique requirements and deliver tailored solutions that meet their expectations. Our commitment to delivering projects on time and within budget has earned us a reputation for reliability and professionalism.

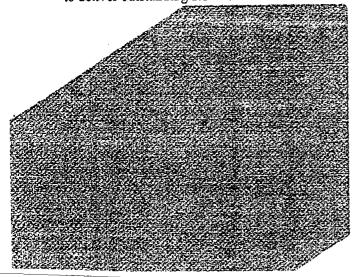
As a prequalified firm, we have undergone a rigorous evaluation process that assesses our capabilities, experience, and financial stability. This prequalification status is a testament to our commitment to excellence and ensures that we are well-equipped to handle projects of varying complexity and scale.

We believe in fostering long-term relationships with our clients, and many of them choose to work with us repeatedly based on our exceptional performance and customer-centric approach. We value collaboration, integrity, and quality in everything we do, and we strive to exceed our clients' expectations on every project.

Whether you require electrical installations, repairs, or upgrades, you can trust Qaiser Electric Company

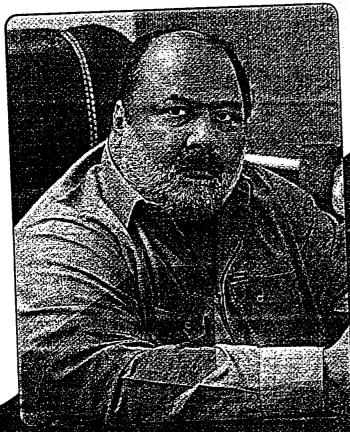


ý,





# Message From The CEO



Zulfiqar Hussain Memon CEO, Qaiser Electric Company Dear Clients, Partners, and Team,

As the CEO, I am proud to lead a team of dedicated professionals who are committed to delivering excellence in every project we undertake.

At Qaiser Electric Company, our core values of quality, assurance, and customer satisfaction drive everything we do. We strive to provide top-notch electrical services tailored to meet the unique needs of our clients. With a focus on attention to detail and adherence to industry best practices, we consistently deliver outstanding results.

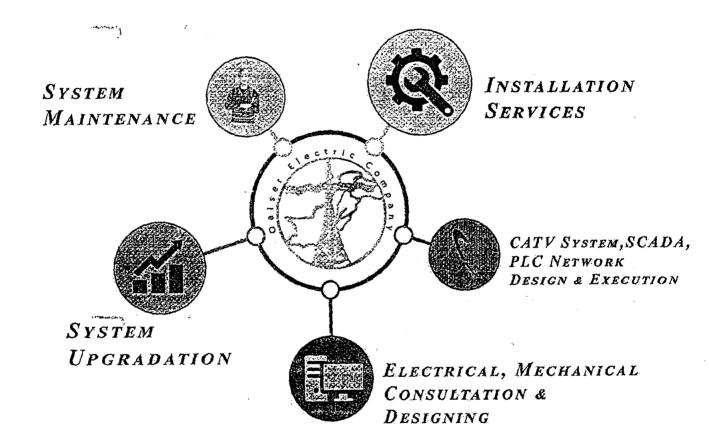
We are approved from K-Electric and DHA with certifications and licences to work in thier domain. We are licensed from PEC and Electric Inspector Govt. of Sindh.

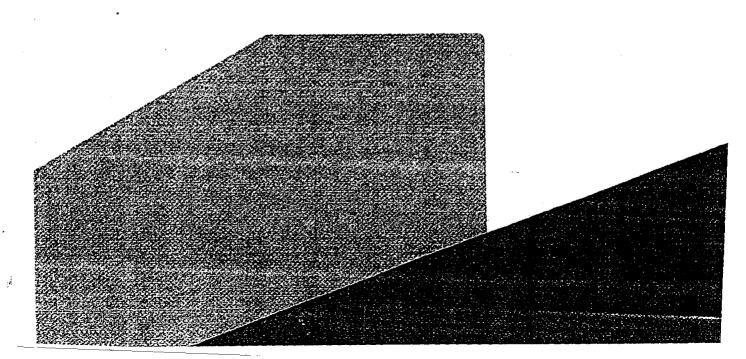
Our success is built on strong client relationships and open communication. We work closely with our clients, listening to their needs and collaborating to deliver services and solutions that exceed expectations

Thank you for considering Qaiser Electric Company for your electrical services. We look forward to the opportunity to serve you and demonstrate our commitment to excellence.

Best regards,

# Our Scope





# MEET THE TEAM



Malik Sohail Abbas

Project Head



Umer Memon Project Manager



Qaiser Zulfiqar Operations Manager



Rizwan Jamali Site Sr. Engineer



Syed Muhammad Ali Finance and Invoicing



Iftekhar Ali Site Co-ordinator

# OUR



## **Overhead Work**

We offer all services related to Overhead Work including Installation of H.T & L.T Poles, Pulling of Cable Spans, Installation of PMTs with all accessories along with testing & commissioning work.



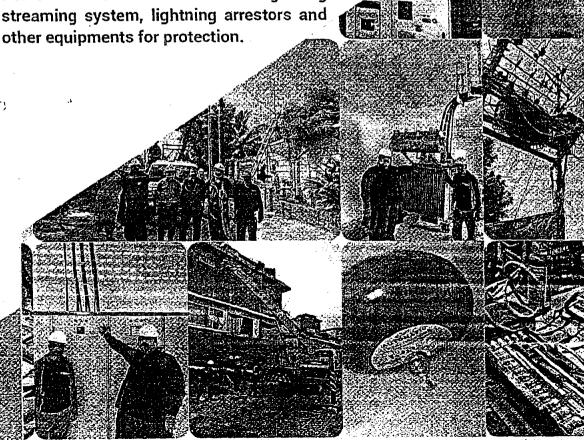
# **Underground Work**

We offer all services related to underground work with maintenance. Work includes Excavation, Laying of H.T & L.T Cables and installations of Joints & Termination Kits along with testing and commissioning work.



## **Earthing**

We offer all kinds of Earthing providing the desired results. This includes Earthing at Poles and Sub-Stations for lightning streaming system, lightning arrestors and other equipments for protection.



# SERVICES



## **Project Designing**

Preparation of new Project. Designing and prepararing drawings according to size requirements with relating to approved standard methods.



## **Generators**

We offer all types of Generators with Sync and ATS System as per project Specification. We Provide, install and energize along with overhauling and upgradation of existing system.



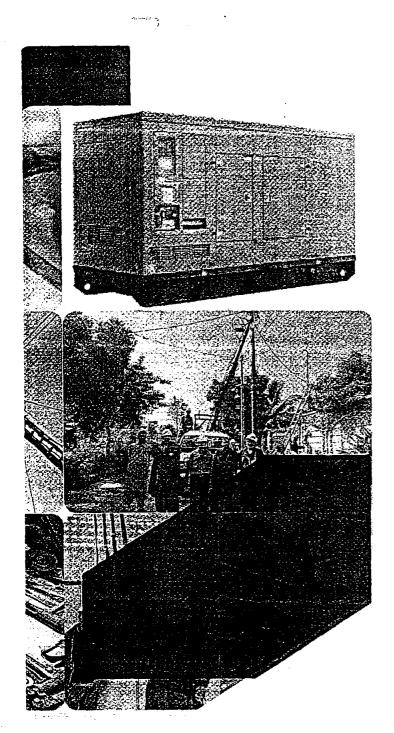
## **Switch Gears**

We provide Switchgears, VCB, OCB Panels, PF Correction Panels along with installation services.



## **Sub-Station Work**

We deal in all kind of internal work of Sub-Station including all civil and electric work according to KE Speccification & Standards.



Qaiser Electric Company

Page No - IO

# LICENSES



## PAKISTAN ENGINEERING COUNCIL

We are licensed since 2012, Currently we are registered in C-4 Catagory with all necessary codes related to Electrical and Civil Domain.



# **Electric Inspector Govt. of Sindh**

We are licensed from Electrical Inspector since 1998 as Electrical Contractor

# REGISTRATIONS





# OUR CLIENTS



Energy That Moves Life

Serving as Electrical Pre-Qualified Company in K-Electric Since 2005, all kinds of projects executed including H.T, L.T side projects and execution of several mega projects.



Enlisted in 2022, Started working with DHA in DHA City Karachi with Installation of PMUs, RMUs and FPBs.





















Abdul Razzak Associates (Pvt) Ltd.















# WHY CHOOSE US?

Choose us because we prioritize your satisfaction. With our exceptional service, expert team, and unwavering commitment, we deliver outstanding results.

We understand your needs and provide tailored solutions, ensuring efficiency and reliability. Trust us to exceed your expectations and build a long-lasting partnership.



Because we've been there and done it.



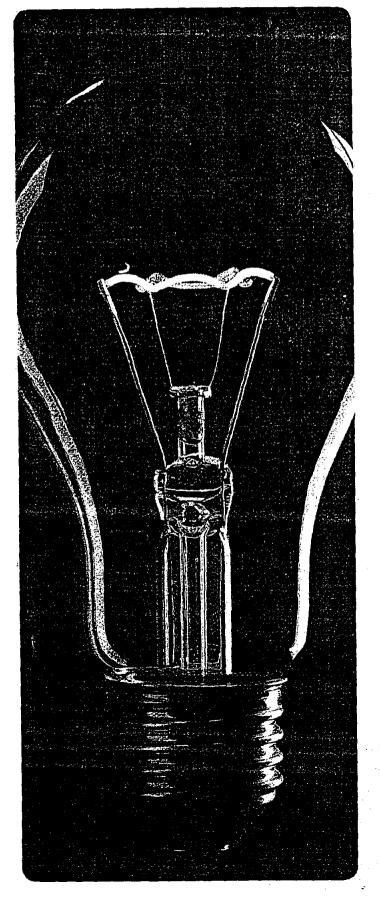
Because we're chosen by professionals.

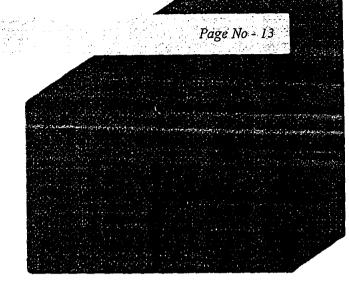


Because we focus on results.



Because we're easy to work with.





# Thank You:)

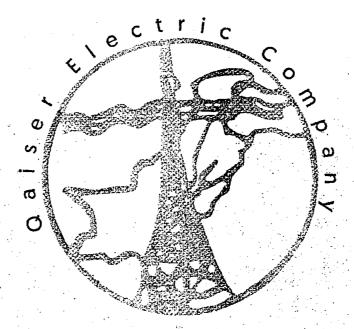
We would like to extend our heartfelt appreciation for taking the time to review our company profile. We are truly grateful for the opportunity to introduce ourselves and showcase the range of services we offer.

Your interest in our company and the trust you have shown in considering us as a potential partner mean a great deal to us. We take immense pride in our commitment to excellence, innovation, and delivering exceptional quality to our clients.

Thank you for considering us as your potential business partner. We look forward to the opportunity to serve you and demonstrate our expertise firsthand.

Best regards,

Qaiser Electric Company



# CONTACT US

A-19/2 Block-E Gulshan e Jamal, Karachi Cell: +92 300 2738055, +92 300 0505612 E-mail: qec_01@yahoo.com Website: www.qaiserelectric.com



## Pakistan Defence Officers Housing Authority

2/B East Street, Phase-I, DHA, Karachi-75500 (Pakistan) Phones: 35886401-5 - Fax: 35886406

to rear planes quote DAMOGRADA/DAC/18/2016

Date: 16 Jun 2016

Bubleot Electrical Works in Sector-3 (Package-2) at DHA City Karachi.

Pen Su,

Defence Housing Authority is pleased to award the above work as per scope of work detailed in the Bill of Quantities.

Measurement Contract: The contract shall be measurement contract based on actual quantity of work as executed. The measurement shall be done jointly.

Amount

- Payment: The payment shall be made through running bills (less retention money, taxes and deduction on account of mob advance).
- Time: The job will be completed in 12 Months from the date of receipt of Engineer's Notice to commence.
- Defect Liability Period: One year shall be the defect liability period during which defects if any shall be rectified which shall occur due to the use of material or workmanship not in accordance with the contract specifications.
- 7. Rate/Scope of work: As given in Bidding Documents.
- S. Specifications: As given in Bidding Documents.
- Design/Sketch/X-Section: As given in Bidding Documents.
- 10. As Built Drawings: On completion of the works two copies of "As Built" drawings along with tracing copy will be submitted, free of cost.

#### 11. Project Control

a. Controlling Officer :

Engineer In charge:

Project Director DCK

To be nominated by Project Director DCK



- Documents: Following documents will always be kept at site duly updated and presented on demand by any offr of DHA.
  - Inspection Book
  - Site Order Book b,
  - Ç., Daily Diary
- Performance Bond/Security: You are required to submit the performance security in the prescribed form for the proper performance of this contract within 28 clays of receipt of this letter. The performance security shall be of an amount equal 10% of the contract price. The performance security may be in the form of either (a) hank guarantee from any Scheduled Bank in Pakistan or (b) bank guarantee from a hank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan or an insurance company having at least AA rating from PACRA/JCR.
- CA No. DHA/DCK/CA/D&C/18/2016 is allotted to this contract which shall invariably be quoted in all correspondence pertaining to this work.
- Please attend this office to sign and complete the contract agreement (as per procedure in vogue), prepared on PEC Documents. You may report to Controlling Officer at Superhighway, DHA City Karachi immediately after receiving this letter.
- Please report in this office within 10 days from issue of this letter to sign the contract documents.



Zarrar Razzaque TI(M) (Retd) A/Director D&C

Copy to: 1) DCK Directorate

Together with Schedule-'A' & Drawing/Sketch. Work order will only be issued after receipt of satisfactory work schedule from contractor indicating each activity and %age progress on monthly basis.

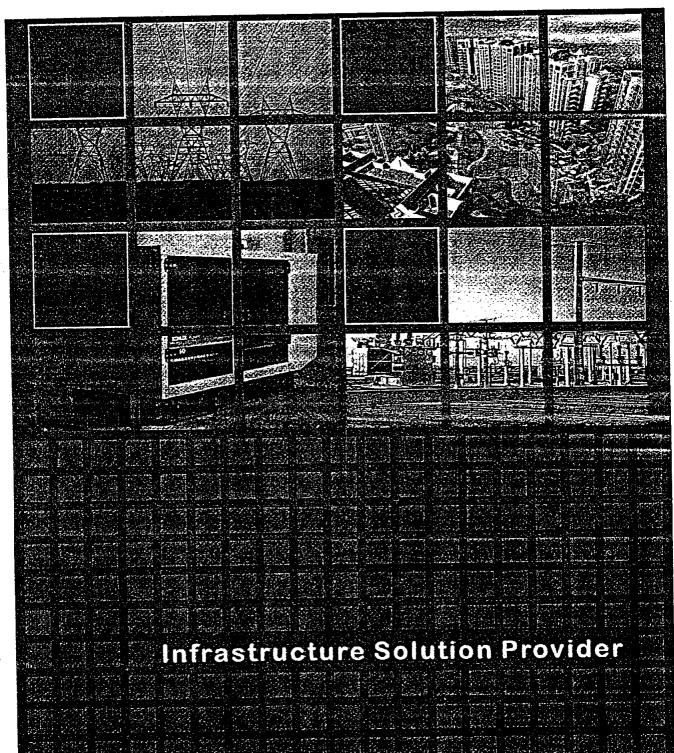
- 2) Finance Directorate
- 3) Audit Directorate
- 4) Tech Section DCK
- 5) Site Office DCK
- 6) ADHA's Inspection Team
- 7) M/S Osmani & Co (Pvt) Ltd



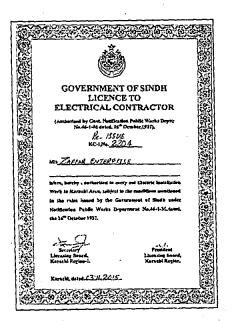


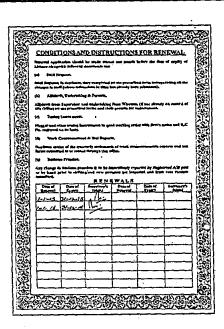
# ZAFFAR ENTERPRISE

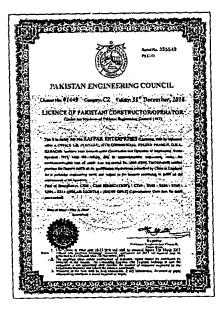
**Company Profile** 

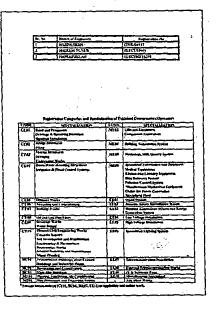


#### CERTIFICATION









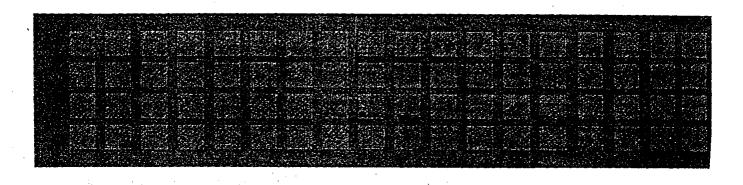
#### COMPANY OVERVIEW

**ZE** was established in 1984 with the concept to provide infrastructure services in the field of Telecommunication, Power, Civil and General Engineering Services like Designing of Data Centre, External Distribution Network for commercial, residential and Housing Schemes.

Our tremendous depth of professional staff helps to assure completion of projects in minimal response times and includes individuals with highly specialized and unique experience that ensures prompt and qualified responses to any project work.

With the passage of time it has grown significantly since its beginnings and currently employs professional Engineers, Technical Supervisors and Technical staff performing Power infrastructure implementation projects execution work throughout Pakistan with utility companies, government and semi government, multinational, Industrial and commercial organization.

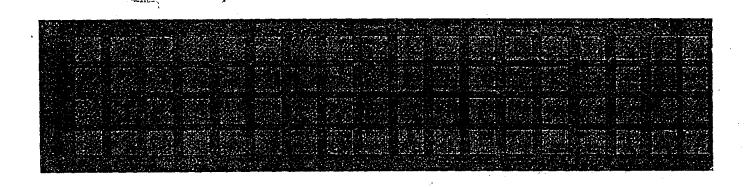
Now ZE offers control integration infrastructure services as well. The ZE has a privilege to work for Multinational, Banks, Companies, Commercial, Residential and Shopping Malls. In the short span of time ZE has earned great reputation in the local market and now emerged as a Leading Company.



**OUR MISSION** 

Our mission and motto of "Engineering with Distinction" is not only meant as a sign of commitment to our clients and valued customers but also serves as a reminder to our staff that distinction comes from being innovative, and innovation combined with quality keeps you at the forefront of the pack.

Our mission is to provide our customers with solutions of Power, Telecommunication, Civil, General Engineering and Control Integration. With its knowledge its expertise in these field, the group has a leading role to play in meeting the customer needs.



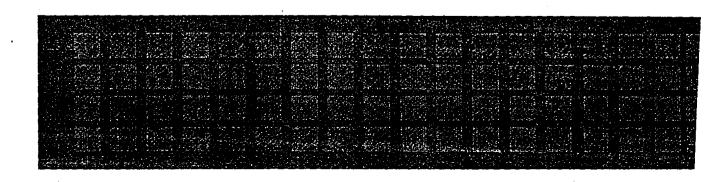
#### QUALITY ASSURANCE

**ZE's** Business strategy incorporates a commitment to strive to continually elevate our experience and capabilities. As would be expected, our base of satisfied clients has expanded extensively.

Our senior staff consists of seasoned professionals, all of whom have long careers in the management of Engineering projects for Decades. The management is backed up by a highly capable team of engineers, managers and technical staff. Because of the depth of our professional staff, quality assurance is at the core of every project undertakes. Every project undergoes thorough QA reviews using very detailed checklists to help ensure smooth transitions from the design process, through document production, material procurement.

Our employees understand that professionalism means more than technical ability. This attitude is displayed through the helpful and supportive attitude of every employee, from our reception & secretarial staff to senior management.

We believe that our ability to form successful working relationships with clients, material suppliers and consultants is at the heart of our business. We have an enviable record of maintaining our client relationships, a testament to the personal commitment of our management and staff. It is our goal to furnish a greater level of quality and detail than our competitors. The quality of our work has always been and will always be a core value and will never be compromised by growth.





DHA City Karachi (DHAC) KM 50, Motorway M-9 (Post Code 75340) Phones: 021-36470008 Fax: 021-36470007

In wolv, please quote: THAC/CA/D&C/14/2024

Date: 07 Nov 2024

M/S Expert Contracting, 1) of (R.C.H.S.), Phase-2, Scheme-33 Sector-34/A Opposite Kiran Hospital, Karachi

tel 0322-3144060

Subject:

Installation of 50 KW Solar System at Roof Top Secretariat Building, DHA City Karachi.

Dear Sir,

- Defence Housing Authority City Karachi is pleased to award the above work as per scope of work detailed in the Bill of Quantities. (Schedule-A attached to this letter).
- Measurement Contract. The contract shall be measurement contract based on actual quantity of work as executed. The measurement shall be done jointly.
- Amount.
- Payment. The payment shall be made through running bills (less retention money
- Retention. 5% Retention money will be held from bill and paid after expiry of defect liability period i.e. One (01) Year effective from the date of handing / taking over.
- Escalation. There will be NO COMPENSATION against escalation of market rates.
- Time. The job will be completed in 01 Month from the date of receipt of written 7. work order.
- Defect Liability Period. One year shall be the defect liability period starting from TOC during which defects if any shall be rectified which shall occur due to the use of material or workmanship not in accordance with the contract specifications.
- Rate/Scope of work. As given in Bidding Documents. 9.
- Specifications. As given in Bidding Documents. 10.
- 11. Design/Sketch/X-Section. As given in Bidding Documents.
- As Built Drawings. With handing / taking over proceedings of the works three copies of "As Built" drawings along with tracing copy will be submitted, free of cost.
- Project Control

Controlling Officer : a.

A/Director E&M Dte DHAC

Engineer In charge: ъ.

To be nominated by A/Dir E&M Dte DHAC

- Documents. Following documents will always be kept at site duly updated and presented on demand by any offr of DHAC.
  - Inspection Book a,
  - Ъ. Site Order Book Daily Diary c.

A He DHAC/CA/D&C/14/2014 is allotted to this contract which shall invariably under it all correspondence pertaining to this work.

DIMC reserves the right to careel / suspend / terminate the project at any time without any obligation whatsoever.

Please attend this office to sign and complete the contract agreement (as per procedure in vogue), prepared on PEC Documents. You may report to Controlling Officer at Superhighway, DHA City Karachi immediately after receiving this letter.

Please report in this office within 10 days from issue of this letter to sign the contract documents.

Copy to: 1) CE Branch DHAC

2) E&M Dte DHAC

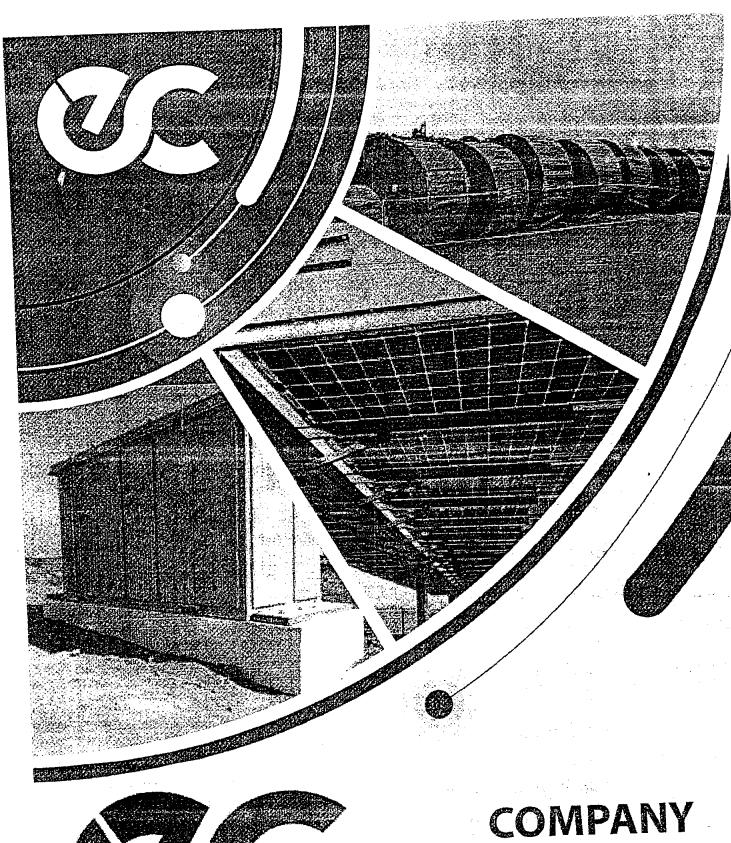
3) Finance Directorate DHA

4) Audit Directorate DHAC

5) Tech Section DHAC 6) Site Office DHAC

Lt Col

in Aleism, TI(M) (Retd) Application D&C DHAC



# EXPERT CONTRACTING

Landline: 021-34694894 EXT. 801 Mobile: 0321-3622568, 0333-3343244

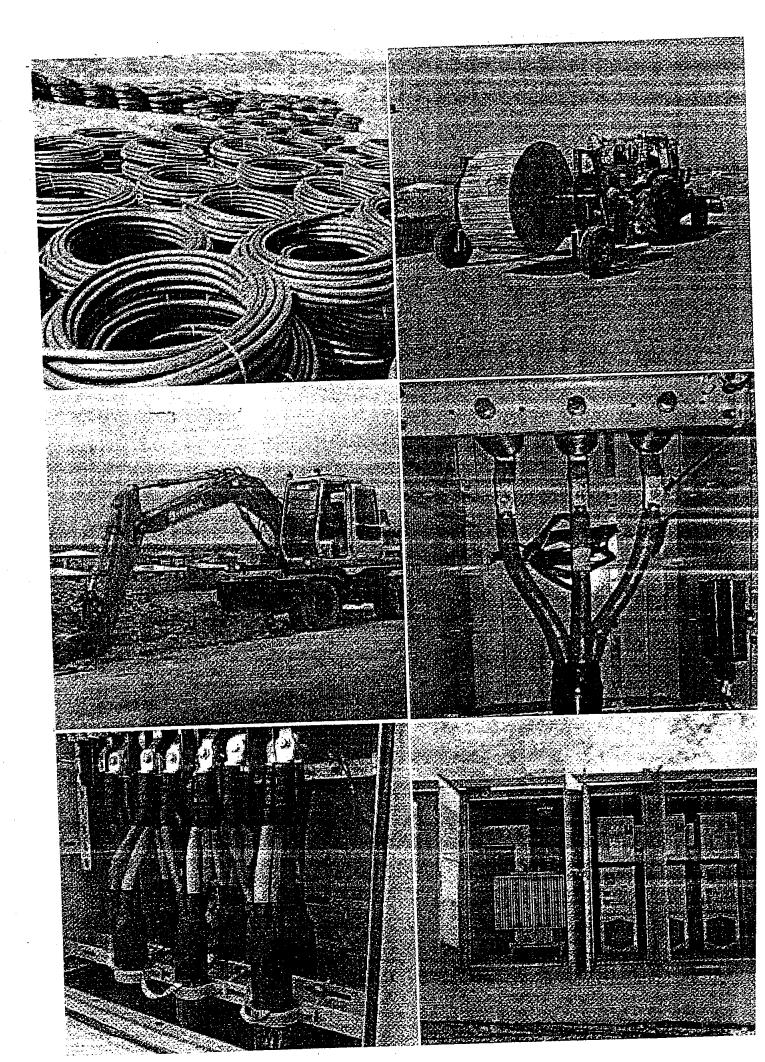
Visit @ expertcontracting.com.pk

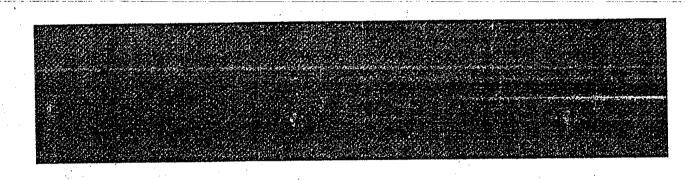
PROFILE

E-mail: sales@expertcontracting.com.pk expertcontracting114@gmail.com

Address: D4 (R.C.H.S) Phase 2, Scheme 33 Sector 34/A, Opp. Kiran Hospital, Karachi.

ELECTRICAL, MECHANICAL, ICT AND CIVIL WORKS





# INTRODUCTION

SpenContracting



#### Introduction

Expert Contracting is a team of Engineers capable to undertake diversified assignment related to Electrical Power, Electronics, Computer Engineering and Renewable Energy. Brief introduction of our key team members is appended below:

Engr. Syed Riffat Ali Rizvi, has vast and diversified experience of Power Sector with over 33 Years. His last assignment was Head of Network Management in Port Harcourt Electricity Distribution Company (PHED) Nigeria.

Engr. S. M. Mustafa, Has over 6 Years of experience of MV/LV Network. He is working as Electrical Engineer in our DCK Karachi Project. He has also worked on Agha Khan Grid Station of 132 KV through M/S SIEMENS (ECR).

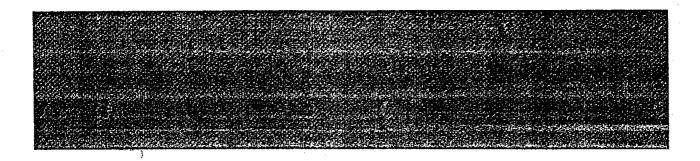
Engr. S. Ali Murtaza, has over 3 Years of experience as Project Manager and has successfully completed numerous MV/LV Electrification Projects in DCK and other Clients.

Controlling and Supervisory staff plays important role in success of every project. As such, pool of supervisory staff is also deployed in Project of DHA City, Karachi and for upcoming assignments with in jurisdiction of k-Electric.

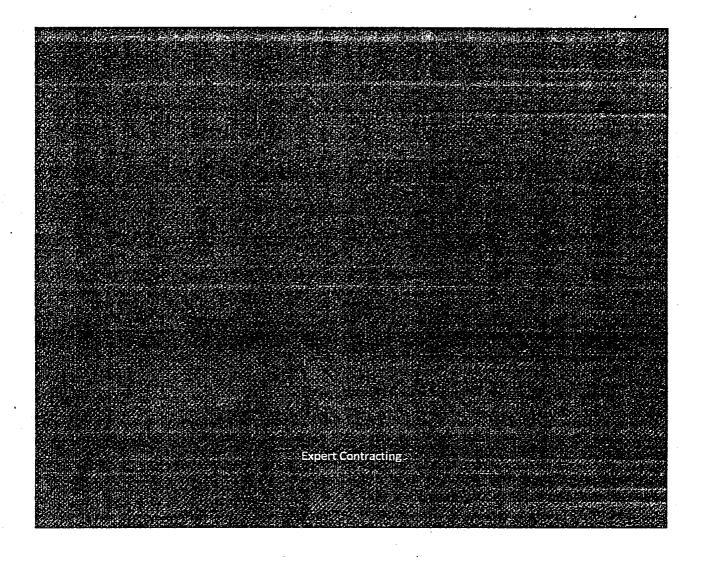
Experienced supervisory staff is hired to work on installation testing and commissioning of MV/LV and Renewable Energy Projects. Our supervisors and team are capable to work in other Discos like HESCO, SESCO and QESCO.

Petty Contractors and Unskilled labour is also hired as per requirement of Project and to meet local conditions.

HSEQ is responsibility of everyone, as such, it will be ensured that everyone is capable of professionally discharging HSEQ responsibility. Use of proper PPEs & SPEs will be ensured. Training & Development of staff & officers is integral part of HSEQ plan.



# FIRM'S DETAILS AND CONTACT



## **Company Details**

1. Name of Firm: EXPERT CONTRACTING

2. Income Tax No.: 3794223-9

3. **GST No.:** 32-77-8761-503-93

4. PEC Registration No: C4/E-10903

5. PEC CODES: BC-01, BC-02, BC-04, CE-01, CE-04, C E-08, C E-09, CE-10, CE-11, EE-01, EE-02, EE-03, EE-04, EE-05, EE-06, EE-07, EE-08, EE-09, EE-10, EE-11, ME-01, ME-02, ME-04, ME-05, ME-06, ME-07

#### 6. Bank Account:

Bank Name: Habib Bank Ltd

Account Title: EXPERT CONTRACTING

Account# 03697901199855

### **Contact Details:**

Contact Person: Syed Ali Murtaza

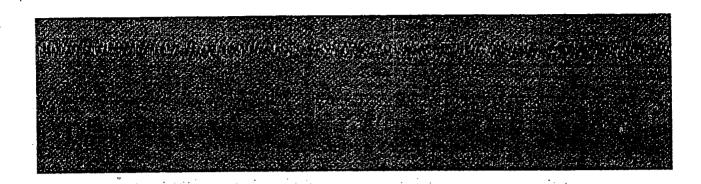
Contact No. 0321-3622568, 0336-3477466

Email: sales@expertcontracting.com.pk,

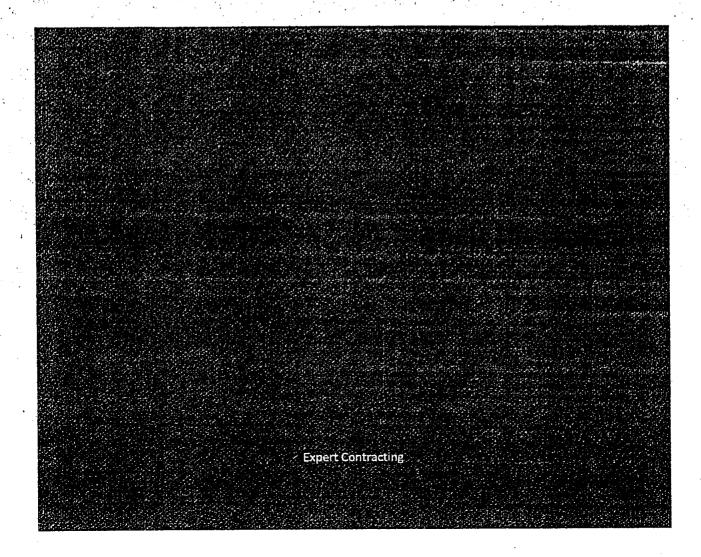
expertcontracting114@gmail.com, expertcontracting@hotmail.com

Office Address: D-4, R.C.H.S-II, Sector 34/A Scheme

33, Near Kiran Hospital, Karachi.



# COMPANY'S STAFF DETAILS





Syed Riffat Ali Rizvi

Designation: CEO/Owner

Qualification: B.E (Electrical), M.Sc (Electrical), MAS

Experience: 32 Years in Power Sector

2. Muhammad Farid Mumtaz

Designation: Chief Engineer (Civil)

Qualification: B.E (Civil)

Experience: 28 Years

3. Syed Ali Murtaza
Designation: Head Sales and Execution

Qualification: B.E (Electronic Engineering)

Experience: 7 Years

4. Syed Muhammad Mustafa

Designation: Executive Engineer (Planing, Testing and Commissioning)

Qualification: B.E (Electrical Engineering), M.E (Computer Science)

Experience: 6 Years

5. Daniyal Iqbal Khan

Designation: Executive Engineer (Mechanical, HVAC Works)

Qualification: B.E (Mechanical Engineering)

Experience: 6 Years

6. Fatima Ali

Designation: Executive Engineer (Designing and Planning)

Qualification: B.E (Electronic Engineering)

Experience: 5 Years

7. Murtaza Zaidi

Designation: Civil Engineer

Qualification: B.S (Civil Tech.)

Experience: 5 Years

8. Om Parkash Sanjo

Designation: Lab Technician

Qualification: D.A.E

Experience: 7 Years

9. Muhammad Musharaf

Designation: Technician (Electrical & Generators)

Qualification: Intermediate

Experience: 3 Years

10. Riaz Niazi

Designation: Civil Surveyor

Qualification: D.A.EExperience: 5 Years

11. Syed Muhammad Raza Naqvi

Designation: Accounts and Commercial Officer

Qualification: B.S Acturial Sciences

Experience: 4 Years

12. Shakoor Jokhio

Designation: Site Supervisor

Qualification: D.A.E Experience: 4 Years

13. Qamar Hussain

Designation: Supervisor (IT & CCTV)

Qualification: Intermediate

Experience: 3 Years

14. M Rashid

Designation: Electrician

Qualification: Matric Experience: 5 Years

15. Kashif Kaim Khani

Designation: Plumber

--- Qualification: Intermediate

Experience: 5 Years

16. Subhan Ali

37年8月4月1日

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and the same of the same of the same of the same of the same of the same of the same of the same of the same of

Designation: Driver

Qualification: -

**Experience: 7 Years** 

17. Contractor Staff

gar Cherrier

graphed after the

ST WASKE

S marrial

Designation: Labour / Skilled Workers / Foremen

60 Nos. Of staff deployed at DHA City Project



#### DHA City Karachi (DHAC)

KM 50, Motorway M-9 (Post Code 75340) Phones: 021-36470008 Fax: 021-36470007

In reply, please quote: DHAC/EDB/19

Date: 3 Dec 2024

M/s RIAA Barker Gillette RIAA Barker Gillette Chambers, 3rd Floor, 65-W, Executive Heights, Block-H, Fazal-e-Haq Road, Blue Area, Islamabad.

Attn: Mr Nadir Altaf (Partner)

Contract: Consultancy Services for Development of DHA Karachi

Addl Svcs Agreement as per Clause 6.6 of the Consultancy CA No

DHA/CA/EWD/53/2010 - Addendum

Subject: Bi-lateral Contract for 6.0MW Power Supply Contract between

DESCO and LCL

Ref: E-mail on the matter dated 30 Oct 2024.

- 1. DESCO license applications for DL and SL (Supply of Last Resort) were submitted in NEPRA by M/s RIAA Barker Gillette on 24 October 2024. The application documents stated that the initial supply arrangement for DESCO consumers will be managed/planned through Lucky Cement Limited (LCL), a Captive Power Producer, from the existing network system of 2 x 11kV feeders supplying 3.1MW power to DHAC (through KE) along with the 1.5MW solar system and 1.6MW Gen Set already installed in DHAC.
- 2. Details of the existing power supply arrangement are provided hereunder:
  - a) On 31st March 2021, MOU was signed between KE and DHAC for the energization of 2 X 11kV Feeders as an interim arrangement [attached]
  - b) DHAC sponsored and installed electrical network system in the year 2020, which is directly connected with LCL, including 2x7.5kV Power Trafos, Switches at the LCL site, and 2x11kV feeders with an overall length of 4-5km feeding to DHAC
  - c) KE staff for switch operating available round the clock at the switch room located at LCL
  - d) DHAC paying monthly electricity bills to KE (Consumer No BH001624 / Account No 0400038483747) [attached]
  - e) DHAC is almost 25km away from KE's 220kVA network, therefore in the absence of KE network nearby, the power supply from LCL is a lifeline for DHAC

- 3. Regarding the Consortium Agreement of Additional Services for DESCO Licensing signed on 11 Jan, 2024, we hereby request M/s RIAA to initiate the process of a bilateral contract for a power supply arrangement between DHAC DESCO and LCL. A consent letter of LCL has already been received for the 6.0MW power supply to DESCO [attached]. We understand that following steps are required to be initiated for the power acquisition contract:
  - a) Negotiation and Finalization of Draft PAC with LCL
  - b) Obtain NOC from SSGC for DESCO (this will replace earlier NOCs issued to KE for DHAC purposes) [attached]
  - c) Submission of PAC in NEPRA (timing to be advised by RIAA)
  - d) Issuance of notice to KE for dismantling of energy meter (timing to be advised by RIAA)
- 4. In the light of Clause (2), (3) & (4) Part A (Scope of Work for Legal Sub Consultant-1) of Addendum, your urgent attention to this matter is highly appreciated.

Faisal Malik Advisor to DHAC

CC:

Secy Sectt DHAC CE Branch DHAC E&M Dte DHAC Coord Br DHAC

#### MoU between KE and DCK

#### Subject: Energisation of 02 Nos. DHA City Feeders with Single Meter as Interim Arrangment

- 1. DHA City Karachi ("DCK") applied for new connection in 2019 vide Case ID: 910923586 for 06 MW load that will be served with 02 Feeders.
- 2. Electric works in DCK sector 1 & 3 had already been laid by DCK. As-built drawing will be submitted by DCK in Coordination with KE to correspond as per KE specs for which DCK will provide relevant details & support to accommodate As-built into the design wherever applicable, The DCK will comply to above within 3 months for clarity on As-Built drawings, redesigning by New Connection followed by physical correction in Network as per KE standards by DCK within next 12 months.
- 3. Based on DCX request and technical feasibility, it is being proposed that as an interim arrangement on conditional basis, the DCK feeder shall be energized via a single meter. Further individual meters will be Installed within DCK area following the due process of new connections for billing purpose, within next 3 months.
- 4. An O & M agreement will be signed within next 3 months with DCK to continue the operation and maintenance (O & M) of their internal network until KE takes over the network. However, after energization of 11kV. Switch room with metering at DCK, 11kV feeder maintenance from LCL to switch room will be taken up by KE

Kamran Akhtar Hashmi Director New Connection

Col. Syed Muhaihmad Hammad Gilani

**Project Director** 

CNIC: (101-

DCK

DCK Witness 1

Name: LT OL Ahment Khay VI

CNIC: 37405 4192857-1

DCK Witness 2

Name: NISAR AHNED CNIC: 42501-6405803-7.



#### **DHA CITY KARACHI**

DHA CITY PHASE 9 (2-B, EAST STREET, PHASE 1 DHA, KARACHI) GST No. 1200980123273 | NTN No.: 1692751-6 CNIC No. Not Available .FED: DHA CITY FEEDER NO.1 Consumer No.: BH001624 | Contract No. 33636927

Dispatch ID: 1914390\1

#### Industrial

C2-HT

Current Month अर्थान्त्र

29°C avg temp

#### 333,000 Units

Last Month 29°C avg temp

Last Year ایمان 30°C avg temp

يچيان مين **325000 U**nits

13%*

337000 Units

11%**

13-Month Usage History منظ کے استعمال کی تفصیل 13-Month

2023 2024

#### بَنْك اوروا نَيْنَى كَنْقُعيل Billing & Payment History

MM/YY	Billed Amount	Pay-Date	Payment
09/24	20,356,728.77	14-Oct-24	20,356,728.00
08/24	23,336,085.85	10-Sep-24	23,336,086.00
07/24	26,794,564.43	09-Aug-24	26,794,565.00
Payment Cha	ادانگی بذرید nnels	Scan to Pay yo	our Bill









Customer Care Centre Malir

Plot A4/7, Moinabad, M. M. Alam Road, Near Security Printing







🍇 www.ke.com.pk

i. Č customer sarožiške com r 118



KE GST No. 12-00-2716-007-28

KE NTN No. 1543137-1

Please be informed that KE's responsibility is restricted to supply to the meter. Any internal wring of the premises as well as the installation of appliances is at the customer's risk and responsibility atone.

Account Number

0400038483747

Invoice Number 709015965666

Issue Date

Bill Month

29-Oct-2024

Oct-2024

Amount Payable Sell-16

بن ك مزيدتسيد مت يشت يه الاحقاق For details, please see back of the bill. بن ك مزيدتسيد مت يشت يه الاحقاق الم

Please pay within due date and save Rs. 1732897 | Rs. 866448.4 Till 12-Nov Till 15-Nov

Due Date
12th
November
2024

مقرره تاريخ ك بعدواجب الاوارقم Amount Payable after Due Date

13-Nov - 15-Nov Rs. 22,740,700 After 15-Nov Rs. 23,607,150



his is an electricity bill. Consumer name and address mentioned therein does not constitute proof of title/ownership of prope

Due Date 12-Nov-24

Within Due Date

709015965666

13-Nov - 15-No

After Due Date After 15-Nov 8s: 23.607.148

Rs. 21,874,251

Rs. 22,740,70

Bank Clearance / Signature

AKE

Customer's Name Account Number Contract Number DHA CITY KARACHI 0400038483747 33636927



Please do not stamp on the bar cod

Bill Charge Mode. NORM Meter No. HTO-8039 Reading Date 26-Oct-24

The diestroity you have used			Tituding Date 20 Oct 24		
	Previous Reading	Current Reading	MMF	Units (KWh)	MDI (KW)
Energy - Off Peak	6625000	6888000	1.000	263000	864
Energy - Peak	1722000	1792000	1.000	70000	729
Reactive Energy Off Peak	1	1	1.000	0	
Reactive Energy On Peak	1	1	1.000	0	

ىيىلىنىڭ ئەربىلى سىسىرىكىنىڭ ئەندىكى ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئ ئىلىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلىكىنىڭ ئاتىلى

The electricity you have used

Your electricity charges fo	Units	Rate / Unit	lo. of Month(s): Amount
Fix Charges	864	1250,0000	1,080,000,00
Variable Charges			13,101,240,00
Off Peak	263000.00	37.1800	9,778,340,00
Peak	70000.00	47,4700	3,322,900,00
Uniform Quarterly Adjustment			580,485,60
28-Sep-24 To 26-Oct-24	333000	1.7432	580.485.60
Surcharge			506,160.00
Surcharge	333000	1.52	506,160.00
Fuel Charges Adjustment***			985,492,00
May-24	380000	2.5934	985,492.00
Additional Surcharge (PHL)			1,075,590.00
Additional Surcharge (PHL)	333000	3.23	1.075,590.00
Electricity Charges			17,328,967,60
Electricity Duty			324,979.35
Sales Tax u/s 3(1)*			3,177,710.45
Income Tax U/S 235**			1,042,532.87
TVL Fee			60.00
ioceani Onlor			4,545,282.67
Your Electricity Charges for t	he Period		21.874.250.27

***KE's Multi Year Tariff (MYT) for the period starting from July 01, 2023 is under determination of NEPRA. Further, provisional amount in respect of FCAs is being charged in the current bill as per direction of NEPRA vide SRO 811(I)/2024, which is subject to adjustment based on final MYT Determination of NEPRA. All consumers are therefore notified accordingly.

556 to Penergy 1432(4)/2024 dated 11 September 2024, NEPRA issued Quarterly

Tariff Adjustment (QTA) rates for 4th quarter of FY 2023-24 for XWDISCOS and KE effective Q1 Sentember 2024. Tariff Adjustment is en account of Quarterly Tariff Adjustment is en account of Quarterly Tariff Adjustment in the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of the supplies of t

شكايلت كيليج ٩٥ سكين كرين

الزيادووجزيفن كالامتعيب 25 كودات Steel Walker CULE فاستخدم فالمراج والكارال كالمدخل سمع والمرجد والعمدة كالمركزة

mich out 48.14 غير 107-992021 ما 121-99202107 ما 992021

وة أي محتب ( فيأرل محتب) وما في محتب مكرزين

Eller School The State 1. S. EIKIPOI المياسك المساول يوزي فل شيدات داء المعاكات كويد -QUMAT216-620 You Mark - 37-02, 124-2-6, EIKPOI - Hoove all other to Alesta Perota منخ لبيل أدينين الخالمان:310172-0653

براديل أس كان : أفي كر 100 ساي مول. بادل جرياك فيرد بادمتم إلا تك مماك يهادرتين كريق يا مارفين كالريكاتك منش الكفرك إدر ع ليوله تعادل (جرا).

### صارفین کے لیے ضروری مدایات



🕡 سارف اسے بیل کے بی رقم مقررہ تاریخ کے اندرجیج کروائے کا پابند ہے۔ مقررہ تاریخ کُڑنے کے بعد بال کی اوا میکی انگی اسکے باجراء مے آبل تا خیری جربانے کی اجمع کا جائے۔

3 اگر بیل کے بل پر Disconnection لکھا ہے تو اسے موسول موتے ہی اداکر دیا جائے ورنہ قانون کے مطابق بیل منقطع کر دی جائیگی۔

مار نین کو یادد بانی کرائی جاتی ہے کہ K-Electric (KE) کے عملے یا کمی ہمی دوسر مخض کوصارفین سے رقم دسول کرنے کا اضیار ٹیس ہے۔ لبندایلوں کی بادائیکی صرف عل سے سفیح اول یر دیئے گئے اوائی کے ذرائع اطریقہ کار کو استعال کرتے ہوئے کی جائے۔

بلوں کی اوا نیٹل کے لئے نفذ رقم ، ہے آ ورز ، چیکس با ہنگ ڈارنش کسٹم کیشر بیٹر بیٹر کوشہ بھیجے جا کیں۔

مارفين كوعليات وكومانى الكرك بحل الكاعث كي صورت شراس

🗗 TVL نیس سے پیش فارم KE کی دیب سائٹ کے علاوہ کمٹمر کیٹرمینو پرجمی دستیاب ہے۔ TVL فیس جارٹ کرنے کے نعمی بیس، صادفین بیفادم فود پھی KE سے تقدد ان کرائے کمٹمر کیٹرمینوٹن کرائےکے ٹرکھا بغیرتسدیق کی سورت میں KE بیغارم/PTV بینچه گاجهاں تصدیق کاعرصہ 45 ون ہیں۔

📵 بلی تین کنظی ہونے کی صورت میں ، صارف مناسب وقت کے اندر جو کہ بل کی تاریخ کے 14 دن سے زیادہ نہ ہو، اسے درست کراکم





3000 3000 C2-HT

**Billing Statement** 

Quayament Medialahont

Consumer No

Security Deposit

Account No

Carry Forward Balance 20,356,727.98 Payments/Adjustment -20,356,728.00 Your Electricity Charges for the Period 21,874,250.27 **Outstanding Balance** 21,874,250.25

BH001624 Sanc. Load

0400038483747 Conn. Load

Amount Payable within Due Date 21,874,251 Late Payment Surcharge (5%) 866448.38 Late Payment Surcharge (10%) 1,732,896.76 22,740,700 Amount Payable from 13-Nov.-15-Nov with 5% LPS

Amount Payable after 15-Nov-24 with 10% LPS 23,507,148



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

NEPRA Tower, Attaturk Avenue (East), G-5/1, Islamabad Ph: +92-51-9206500, Fax: +92-51-2600026 Web: www.nepra.org.pk, E-mail: registrar@nepra.org.pk

> No. NEPRA/PAR-180/33169-71 September 30, 2020

Subject:

APPROVAL OF POWER ACQUISITION REQUEST FILED BY K-ELECTRIC LIMITED FOR PURCHASE OF 1-6MW FROM LUCKY CEMENT LIMITED UNDER NEPRA INTERIM POWER PROCUREMENT (PROCEDURES & STANDARDS) REGULATIONS, 2005 [CASE NO. NEPRA/PAR-180]

Dear Sir.

Please find enclosed herewith the subject Approval of the Authority (15 pages) in Case No. NEPRA/PAR-180.

- 2. The Approval is being intimated to the Federal Government for the purpose of notification in the official gazette in accordance with the provisions of Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997.
- 3. Order of the Authority is to be to be notified in the official Gazette.

Engl: Asaboys

(Syed Safeer Hussain)

Secretary Ministry of Energy 'A' Block, Pak Scoretariat Islamabad

CC:

1. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad.

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Barrella & Barrella

2. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad.



1.65 (15)

#### National Electric Power Regulatory Authority

'(NEPRA)

Approval of

Power Acquisition Request Filed by

K-Electric Limited

For Purchase of 1-6 MW from Lucky Cement Limited

under

NEPRA Interim Power Procurement (Procedures & Standards) Regulations 2005

(No: NEPRA/PAR-180)

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State on Beering Burger

Islamabad

#### Commentator:

- i. Hyderabad Electric Supply Company (HESCO)
- ii. Lucky Cement Limited



#### 1. INTRODUCTION

- K-Electric Limited (KE) submitted the Power Acquisition Request (PAR) for purchase of 1-6 MW from Lucky Coment Limited (LCL) under the Interim Power Procurement (Procedure & Standards) Regulations, 2005 (hereinafter "IPPR-2005"). KE, inter-alia, also submitted Power Sale proposal (PSP) from LCL along with its PAR to NEPRA, in accordance with IPPR-2005 and requested the Authority to approve following:
  - The power acquisition request (PAR) so that KE may purchase power from LCL.
  - ii. Determine a power purchase tariff;
- KE further submitted that Power Acquisition Contract (PAC) between KE and LCL will be submitted after approval of PAR and tariff determination.
- 1.3. While justifying the demand supply gap, KE submitted that it has a customer base of more than 2.8 million connections across residential, commercial, industrial and agricultural sectors. Besides serving the existing customer base, KE continues to make efforts to cope with the power demands of emerging suburban areas around Karachi city. For this purpose, KE is engaged in planning, development and execution of new grid stations and distribution networks to be able to serve the power demands of emerging load centers.
- 1.4. KE further submitted that DHA City Karachi (DHCK) is a new residential cum commercial project in the suburbs of Karachi and falls within the KE licensed territory. According to KE, DHCK has agreed to fulfill new connections requirement including construction of required power infrastructures but it has requested for immediate energization of DHCK. The nearest KE grid is at a distance of around 35-40 KM from DHCK, however, generation facility of LCL is around 5 KM away from DHCK. Therefore, the only possible solution for immediate energization of DHCK is to lay feeder from LCL generation facility. Accordingly, KE, DHCK and LCI, have reached an understanding for purchase by KE of surplus power of up to 6 MW from LCL for onward supply to DHCK through 11 kV network.
- According to KE, the present load requirement of DHCK is low and is estimated to be between 1-2 MW. KE further submitted that it is engaged with DHCK for planning of EHT transmission line and grid stations, however, its planning and construction would take few years. The acquisition of Right of Way for the transmission line is also time consuming. A solution is therefore required to address the existing and growing demand during the intervening period before EHT network becomes available to DHCK.
- KE also submitted that LCL has 29.7304 MW thermal power plant fired on gas. The plant consists of three (3) Rolls Royce engines of 7 MW each and one (1) Wartsila engine of 8.7 MW. This facility is being used to supply HESCO up to 20 MW. LCL can supply 1-6 MW power to KE for onward delivery to DHCK. LCl. has a valid generation license no. SGC/72/2011 issued by NEPRA for this facility which is valid up to 24 October 2031. LCL plans to supply KE up to 6 MW from the same facility. For this purpose, LCL filed a Licensee Proposed Modification ("LPM") with NEPRA on 20 July 2019 for inclusion of KE as a power purchaser. The Authority modified the license of LCL on 21 February 2020 thereby allowing LCL to supply electric power to KE for onward supply to DHCK on individual connection/metering basis.

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**NEPRA** AUTHORIT



1.7. According to KE, LCL has a Gas Supply Agreement with SSGC and also uses gas for generation and sale of surplus power to HESCO. LCL has applied to SSGC vide its letter dated 17 May 2019 for a No Objection Certificate ("NOC") in relation to supply of surplus power to KE. SSGC provided NOC to LCL for sale of surplus power to KE vide its letter No. Sales/NOC-PG594/2 dated March 17 2020.

#### 2. ADMISSION & SILENT FEATURES OF PAR

l

- 2.1. The PAR was filed on March 03, 2020 for purchase of power from LCL. The Authority admitted the PAR on April 23, 2020.
- 2.2. Salient features of PAR are as under:
  - i. KE requested following tariff:

Description	Amount (Rs./kWh)
Fuel Cost Component Excluding GIDC	12.38
Gas Infrastructure Development Cess (GIDC)	2.42
Fixed Cost Component.	2.37
Financial Cost Component	1.28
Total Tariff (Year 1-7)	18.45

ii. The requested tariff is based on following economic assumptions:

(F.)318	· PKR-US\$	155.35 PKR/US\$ NBP selling rate as on 31st
		December 2019
. (*·N	Gas Price	Rs. 1,021/MMBtu on HHV basis
	GIDC	Rs. 200/MMBtu
		13.55%
i de et l	Interest Rate	3-Months Offer Side KIBOR as on 31st December
		2019 published by State Bank of Pakistan

- iii. Plant efficiency as per NCPP Policy is assumed by the applicant.
- iv. The fuel cost component will be adjusted on account of fuel price variation, the fixed cost component will be subject to bi-annual indexation for inflation and the financial cost component will be subject to indexation on account of variation in quarterly KIBOR.
- v. The proposed tariff shall be on "Take and Pay" basis.
- vi. The proposed term for the power acquisition request is seven (7) years.
- 2.3. According to KE during discussions with LCL with respect to the proposed tariff, the latter maintained that in order to supply power to KE, anything less than the NCPP tariff is not feasible for them. Consequently, LCL included the NCPP policy tariff in the power sale proposal (PSP) submitted to KE for tariff determination by NEPRA. KE understands that for any pass through of power purchase costs to the consumer end tariff of KE, the same shall be determined by NEPRA. Therefore, KE requests NEPRA to admit the PAR and review the PSP of LCL to determine a generation tariff for the purchase of power from LCL in accordance with the IPPR-2005.





#### 3. NOTICE OF ADMISSION

- 3.1. Notice of admission along with salient features of PAR was published in newspapers on 9th July 2020 inviting comments from various stakeholders. Individual notices were also issued in the matter on 14th July 2020.
- 3.2. In response to Notice of Admission dated 9th July 2020 and 14th July 2020, no comments were received.

#### 4. ISSUES FRAMED

- 4.1. On the basis of contents of PAR, following issues were framed for the hearing:
  - i. Whether the term of the proposed contract of 07 years is reasonable and justified?
  - ii. Whether the requested fuel cost component of Rs. 12.38/kWh and GIDC of Rs. 2.42/kWh on the basis of efficiency as per NCPP policy are justified?
  - iii. Whether the requested fixed cost component of Rs. 2.37/kWh is justified?
  - iv. Whether the requested financial cost component of Rs. 1.28/kWh is justified?
  - v. . . . Whether the proposed tariff indexations / adjustments are justified? To was attended to the
  - vi. Whether adequate transmission facilities are available for evacuation of power from LCL generation facility?

#### 5. HEARING

- 5.1. The Authority decided to hold a hearing in the matter on 28th July 2020 through video link on Zoom. Notice of Hearing was made public on 25th July 2020 and 26th July 2020. Individual notices were also sent to stakeholder.
- 5.2. Hearing was held as per schedule and was participated by representatives from KE, LCL and DHKC through Zoom. Hyderabad Electric Supply Company (HESCO) representatives were present in person.

#### 6. COMMENTS

6.1. In response to the notice of hearing, HESCO made following submissions vide its letter No. CEO/HESCO/CE(P&E)/DM(SPP)/6852 dated 28th July 2020:

Sr. No.	Issues	HESCO's Comments
i		The main features of NCPP Policy is as under:
1.	New Captive Power Producers (N- CPP's) Policy Framework	<ul> <li>The Captive Power Producers (CPP's) established with new investments on new machines or engines</li> <li>Companies (CPP's) while fulfilling their own requirements would simultaneously be offering sale of at least 10 MW.</li> </ul>
	ROWER REGIE	In view of the above, it is stated that M/s Lucky Cement Limited (I.CL) neither have a new machines/engines nor offering 10 MW to M/s KE, therefore, M/s LCL is not eligible
	NEPRA	4



C-	S- I			
Sr. No.	Issues	HESCO's Comments		
		for NCPP based tariff.  According to PAR approved by NEPRA on 09.01.2013 for M/s LCL, the applicable reference Fuel Cost Component (FCC) effective from 1 st December 2013 or completion of the combined cycle power plant, whichever is earlier, will be Rs. 2.0957/kWh (calculated on the basis of heat rate of 9,736 Btu/kWh or thermal efficiency of 43%).		
2.	Fuel Cost Component (FCC)	Therefore, according to the formula provided by NEPRA, the Revised Fuel Cost Component is as under:		
		Gas Cost Component (Revised) = Revised Gas Price as per OGRA notification / Reference Gas Price × Reference Gas Cost Component.		
		GCC (Rev) = $1021/238.38 \times 2.0957 = 8.9760$		
si Nes	t., ,	It is NEPRA's directive that if Power Producer is not paying GIDC to Government of Pakistan (GOP) through Gas Supplier i.e. M/s SSGCL, there is no need to pay GIDC to Power		
3.	Gas Infrastructure Development Cess (GIDC)	Producers.  It is stated that GIDC is not admissible for M/s LCL, because at present M/s LCL is not paying GIDC to M/s SSGCL.		
	Test (for each term of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control o	Therefore, NEPRA has to decide accordingly.  NEPRA allowed the following fixed cost component to CPP's:  O&M Variable, © 0.6100/kWh  O&M Fixed = 0.4749/kWh  Insurance = 0.1067/kWh  ROE = 0.387/kWh  Total: Fixed Cost = 1.5787/kWh		
4.	Fixed Cost Component	NEPRA assessed the Fixed Cost on the basis of 09 month plant operation, in case of plant operating in 03 non-gas months; the power producer i.e. M/s LCL will be entitled only the fuel cost component and variable O&M.		
	trace is enough to the second	NEPRA also allowed the O&M indexation every two years in the month of April on the basis of CPI. (General)		
5.	Financial Cost Component	The Financial Cost Component is not admissible in this case, as M/s LCL does not fall under NCPP policy framework, as discussed in point-1 above.		
Tota	l Tariff Excl. GIDC	10.5547/kWh		
	l Tariff Excl. GIDC During Non- Month	9.586/kWh		
6.	Court Cases	flonorable High Court of Sindh, Karachi in its decision dated 19:08:2015, allowed the NEPRA tariff from 01.02.2012,		



2



Sr. No.	Issues	HESCO's Comments		
		however, the review appeal of both parties i.e. Power Producers and Power Purchaser are still under litigation at Honorable Supreme Court of Pakistan.		
		If NEPRA allowed the higher tariff to M/s LCL, then it will directly affect our petition under litigation in Supreme Court of Pakistan, and Honorable Court can decide the case in favor of M/s LCL & others and due to this HESCO/GoP can face huge financial loss in terms of higher tariff.		
		Therefore, it is requested to allow the lower tariff or tariff equal to HESCO purchase rate from M/s LCL.		
7	Contracted Capacity between M/s LCL & KE	NEPRA allowed M/s LCL to supply 5.00 MW power to KE, whereas KE submitted the Power Acquisition Request (PAR) for I to 6 MW.		
		It is requested to check and correct the same accordingly.		
8.	M/s LC1. & HESCO	NEPRA should bind M/s LCL for supply of 20.0 MW power to HESCO on 1 st priority basis and then KE. As HESCO has paid the huge amount to M/s LCL in term of Financial Cost Component, as allowed by NEPRA.		

6.2. HESCO made further submissions vide its letter No. CEO/HESCO/CE(P&E)/DM/(SPP)/6924 dated 30th July 2020, which are reproduced here under:

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·	F. PACTEUR COMPANY OF TAXABLE AND THE COMPANY OF RECEIVED			
Sr.	Issues Raised by HESCO During the Hearing	Authority's BREWA	HESCO's comments in view of Authority's  Decision	
	It has been praying to NEPRA that HESCO's interests should be protected	M/s LCL should submit the undertaking to NEPRA for	It is added that HESCO & M/s LCL signed the Power Purchase Agreement (PPA) on CPPA tariff and HESCO obtained the undertaking from M/s LCL for the tariff determined by NEPRA.	
	i.e. uninterrupted power supply of 20 MW to HESCO	uninterrupted power supply of 20 MW to HESCO as well as M/s LCL should cnsure the Authority that they will not	Subsequently, NEPRA determined the tariff for M/s LCL & other Power Producers (NCPPs) on 09.01.2013 and the same was challenged by M/s LCL (in presence of abovementioned undertaking by M/s LCL) & others in Court of Law for its suspension.	
1.	Section 1990	utilize the subject determination against HESCO in tariff dispute case of NCPP, which is	From the above position, HESCO would not trust on M/s LCL that M/s LCL will follow the provisions of undertaking to be submitted by them in NEPRA.	
ELECTO	NEPRA 2	under litigation in Supreme Court of Pakistan. If NEPRA allows higher tariff to M/s LCL as compare to HESCO	Moreover, HESCO understands that if the decision of NEPRA on the subject matter is in favor of M/s LCL (if NEPRA allows higher tariff to M/s LCL for sale of power to M/s KE) and M/s LCL gives assurance to the Authority that they will not utilize the subject determination against HESCO in tariff	
1_ <b>1</b> _			the subject determination against HESCO in ta	



Sr.	Issues Raised by HESCO During the Hearing	Authority's Directions	HESCO's comments in view of Authority's  Decision
			dispute case of NCPP, the worth of above assurance of M/s LCL is useless because 08 No Power Producers (SPPs/NCPPs) also filed the same review petition in Supreme Court of Pakistan and it is possibility that they can utilize and submit subject determination in Honorable Supreme Court of Pakistan against NEPRA & HESCO for favourable consideration.
			Foregoing, in view of the above it is therefore, requested to look into the matter and protect the HESCO's rights as well as to protect the NEPRA & HESCO's stance in Supreme Court of Pakistan or at any other forum
4,	Installed Capacity of M/s ECL	Cothority'. Directions OWER REG:	As per NEPRA Generation License No. SGC/72/2011, the installed capacity of M/s LCL is 29.7304 MW, whereas the net capacity of M/s LCL is 27.8940 MW (after deducting de-rated & auxiliary consumption)
2	ELECTIVE A	NEPRA LA LA LA LA LA LA LA LA LA LA LA LA LA	The share of HESCO is 20 MW and share of KE is 05 MW, the remaining power of M/s LCL is 2.894 MW.
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	W * KIE	Please enquire from M/s LCL that how is it possible to run the industry on 2.894 MW? As well as obtain the documents from M/s LCL, as they conveyed in hearing that their installed capacity is 115 MW

- 6.3. LCL submitted following comments vide letter No. LCL/KP/NEPRA/050820 dated 05 August 2020:
  - The proposed term of 07 years is completely justified. As stated in our Power Sale Proposal that, DHA City Karachi-DHCK is operating without electricity since 2011. Considering this fact, KE has expressed its willingness to procure power from LCL on fast track basis at 11KV. As per mutual understanding between DHCK & KE, it is expected that electricity will be provided to them on large scale basis within this period of 07 years; therefore, during this interim period electricity will be provided by KE to DHCK through LCL. The initial supply is estimated to be 01 to 02 MWh, which would gradually increase to maximum 06 MWh depending upon the escalation of demand, by DHCK. Meanwhile KE & DHCK are also working for an alternate source of power supply from KE's network.
  - Fuel Cost Component is based on NCPP upfront tariff offered to LCL, in which Reference Gas Cost is determined as Rs.2.89/KWh, which is also included in Power Purchase Agreement-PPA dated March 22, 2011 between LCK & HESCO. After determination of tariff by NEPRA dated January 9, 2013 the said Reference Gas Cost was reduced to Rs.2.4030/kWh which was subsequently reduced to Rs.2.0957/KWh on





Combined Cycle basis from December 1, 2013. LCL filed a civil suit in Sindh High Court-SHC and stay was granted in F/O LCL and we continued to receive payments against our invoices based on PPA for the period from COD (June, 2012) to February 2015. After this period, LCL continued to supply electricity from March, 2015 to January, 2016 but HESCO refused to make any payments against the invoices based on PPA. It was not feasible for LCL to continue electricity supply to HESCO as internal Gas cost was much higher than the Gas Cost determined by NEPRA. Therefore, LCL terminated its supply of electricity from February 2016. However, after lengthy negotiations between HESCO & LCL a settlement agreement was mutually agreed upon in March 2017. After the Settlement agreement LCL resumed its power supply from March 2017 with the understanding that both the parties will continue their business without prejudice to their rights with respect to the appeals filed by them in the Supreme Court of Pakistan. Subsequently on August 9, 2017. Sindh assembly passed New Captive Power Plant Subsidy Act 2017 to facilitate the payment of differential to NCPPs arising between tariffs determined in PPA & NEPRA. However, such subsidy will not be available to LCL in the case of KE and hence, the proposed tariff structure has been based on the PPA with HESCO.

- Combined Cycle is not being considered, as the reference gas cost component is reduced to Rs. 2.0957/kWh in the tariff, but no benefit is being offered to NCPPs by NEPRA in the form of:
  - a) Additional financial cost incurred on WHRS
  - b) O&M to operate the WHRS plant.
- As far as GIDC of Rs.2.42/KWh is concerned, it is a pass though item. At present, the
  matter regarding levy of GIDC is pending before the Supreme Court of Pakistan wherein
  a judgment has been reserved on 20 February 2020. Therefore, it is included separately
  from the total tariff determined.
- Fixed Cost Component of the reference tariff is based on NCPP upfront tariff and included in PPA between HESCO & LCL i.e. Rs.1.53/kWh. It will be subject to indexation for inflation with effect from the Reference date of Commencement of Operations and bi-annually (i.e. January 1st & July 1st) on each second anniversary (of COD), by using the most current inflation values determined on basis of Consumer Price Index (CPI General) on the last date of the previous six months. In case CPI is not available for that date, then average CPI (General) for the whole month, i.e. June & December will be considered. The breakup of Reference Fixed Cost is given below:

Fixed Cost Component	As Per NCPP PPA Rs./kWh
Spares & Spares Part	0.50
Salaries & Wages	0.60
Oil & Lubricant	0.20
Chemicals	0.08
Insurance	0.05
Others-External Service	0.10
Total	1.53



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- l'inancial Cost Component of Rs.1.28/kWh is based on NCPP upfront tariff and included in PPA between HESCO & LCI. However, the said reference cost was determined based on installed capacity of LCL i.e. 29.730 MW, but was allowed only for 20MW in case of PPA between LCL & HESCO. Financial Cost of the remaining 9.73 MW was not paid to us and hence being claimed in our Tariff (for 01-06 MW) to KE on per kWh basis.
- The proposed tariff indexations/adjustments are based on the same indexations as stated in NCPP tariff and also included in PPA between LCL & HESCO.
- KE is working with our technical staff for evacuation & transmission of electric power to DHCK.

#### CONSIDERATION OF VIEWS OF THE STAKEHOLDERS, ANALYSIS AND 7. **DECISION ON IMPORTANT ISSUES**

2.1. The issue wise discussion, submissions of stakeholders, analysis, findings and decisions are provided in the succeeding paragraphs.

Whether the term of the proposed contract of seven (07) years is reasonable and justified?

- According to KE, subject to approval of NEPRA, the PAC shall be on a "take and pay" basis and the proposed terms for the PAC is seven (07) years. During the hearing, KE submitted that it is engaged with DHCK in planning of transmission line and grid station and the entire process will take four (04) years after which KE will be able to provide electricity to DHCK by itself. However, no justification was provided by KE for considering 07 years as proposed term of the contract.
- According to ECL, the proposed term of 07 years is completely justified. DHCK is operating without electricity since 2011. Considering this fact. KE has expressed its willingness to procure power from I.CL on fast track basis at 11KV. As per mutual understanding between DHCK & KE, it is expected that electricity will be provided to them on large scale basis within this period of 07 years, therefore, during this interim period electricity will be provided by KF to DHCK through LCL. The initial supply is estimated to be 1-2 MW, which would gradually increase to maximum 06 MW, depending upon the escalation of demand by DHCK. Meanwhile KE & DHCK are also working for an alternate source of power supply from KE's network.
- 7.4. Keeping in view the comments of KE and LCL, there seems little justification for proposed term of seven years. As per KE, system will be in place for supply of electricity to DHCK from KE network within approximately four (04) years. Accordingly, the Authority has decided to approve four years term of the contract instead of seven years. The Authority has further decided that either party shall have the right for early termination by giving suitable notice which shall be made part of PAC.

HESCO submitted that NEPRA allowed LCL to supply 5 MW power to KE, whereas KE submitted the PAR for 1 to 6 MW. HESCO requested to check and correct the same accordingly. with the first temperature to be OWER REG

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7.6. As per generation license, LCL is authorized to sell 5 MW power to KE for onward supply to DHCK. Accordingly, the proposed power acquisition has been approved for up to 5 MW instead of 6 MW.

Whether the requested fuel cost component of Rs. 12.38/kWh and GIDC of Rs. 2.42/kWh on the basis of efficiency as per NCPP policy are justified?

- 7.7. According to the PSP, the cost of fuel is a pass through item and is variable with dispatch. The Fuel Cost Component (FCC) is calculated using following specifications:
  - i. Rs. 1,021/MMBtu on HHV basis plus Rs. 200/MMBtu of Gas Infrastructure Development Cess (GIDC) making total Gas Price of Rs. 1,221/MMBtu
  - ii. The Reference Gas Cost Component is considered as Rs. 2.89/kWh which is the same as allowed in the NCPP policy 2009.
  - At the outset it is clarified that the Authority did not accept the tariff agreed in the PPA between IIESCO and LCL for supply of 20 MW under the referred policy. No efficiency number was provided in the PPA or the referred policy. On the basis of reference fuel cost component of Rs. 2.89/kWh and reference gas price of Rs. 238.38/MMBTU, the HHV thermal efficiency worked out 28.15% (LHV 31.18%). The Authority vide its decision dated 09 January 2013, in the matter of Approval of PAR filed by HESCO for Purchase of 20 MW power from LCL, approved FCC of Rs. 2.4030/kWh on gas price of Rs. 238.38/MMBTU on the basis of 37.5% efficiency on simple cycle operation with the direction to convert the plant from simple cycle to combined cycle. With effect from 1st December 2013 or completion of combined cycle operation, whichever was carrier, the Authority approved FCC of Rs. 2.0957/kWh on gas price of Rs. 238.38/MMBTU on the basis of 43% efficiency subject to adjustment as per changes in gas price. On the basis of current gas price of Rs. 1,021/MMBTU, the revised applicable FCC for 20MW power sale to HESCO is Rs. 8.9759/kWh. Being the same generation facility, the Authority has decided to approve same fuel cost component of Rs. 8.9759/kWh for sale of surplus power to KE by LCL. The FCC shall be subject to variation in gas price. In accordance with the decision of the Supreme Court of Pakistan dated 13-8-2020, GIDC has not been accounted for.

#### Whether the requested fixed cost component of Rs. 2.37/kWh is justified?

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7.9. LCL in its comments submitted that the Fixed Cost Component of Rs. 2.37/kWh is based on the reference tariff as agreed in the PPA between HESCO & LCL i.e. Rs.1.53/kWh under the referred policy subject to indexation for inflation with effect from the Reference date of Commencement of Operations and bi-annually (i.e. January 1st & July 1st) on each second anniversary (of COD), by using the most current inflation values determined on basis of Consumer Price Index (CPI General) on the last date of the previous six months. In case CPI is not available for that date, then average CPI (General) for the whole month, i.e. June & December will be considered. The breakup of reference fixed Cost is given below:



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Description	Reference Fixed Cost Component Rs./kWh
Spares & Spares Part	0.50
Salaries & Wages	0.60
Oil & Lubricant	0.20
Chemicals	0.08
Insurance	0.05
Others-External Service	0.10
Total	1,53

- 7.10. It has been observed that the above breakup is not in line with the definition of fixed cost component as provided in the PPA which states as "The tariff component payable @ Rs. 1.53/kWh delivered, by the company which includes but not limited to O&M cost, tax on income of the company, insurance cost, return on investment, duties etc." As per the proceedings recorded in the case of HESCO PAR, this component was negotiated back in 2006/07 with APTMA members @ Rs. 1.26/kWh which was later enhanced to Rs. 1.53/kWh w.e.f 1st January 2009. As against the request of Rs. 1.53/kWh, the Authority decided to allow fixed O&M component of Rs. 1.1736/kWh comprising variable and fixed O&M, insurance and ROE. The O&M components are subject to indexation on the basis of CPI local every two years.
- 7.11. Being the same generation facility, the Authority has decided to approve same fixed cost component as allowed in the case of HESCO's PAR after adjusting for local CPI (General) of 240.98 of March 2019. The details of fixed cost component is provided hereunder:

Description	Rs./kWh
Variable O&M	0.6100
Fixed O&M	0.4750
Insurance	0.1067
ROE	0.3871
Fixed Cost Component	1.5788

7.12. Apart from variable O&M, other components of fixed cost are determined on plant operation of nine months. In case of splant operation of three non gas months from December to February, only variable O&M along with fuel cost shall be paid.

#### Whether the requested financial cost component of Rs. 1.28/kWh is justified?

- 7.13. LCL in the PSP requested financial Cost Component of Rs.1.28/kWh based on the referred NCPP Policy 2009. According to HESCO, the Financial Cost Component is not admissible in this case as M/s LCL does not fall under NCPP policy framework, as it neither installed new machines/engines nor offering 10 MW to M/s KE, therefore, M/s LCL is not eligible for NCPP based tariff
- 7.14. The Authority has not been allowing financial cost/ capital cost for surplus sale of energy by CPPs. Therefore, in line with other CPPs the same is not being allowed in the instant case.





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### Whether the proposed tariff indexations / adjustments are justified?

- 7.15. LCL proposed adjustment of fuel cost component for variation in gas price, fixed cost component on account of CPI and financial cost component on account of KIBOR variation.
- 7.16. The Authority has considered the proposed adjustment/indexations and decided to allow adjustment in fuel cost component on account of gas price variation in line with other CPPs. The Authority has also decided to allow CPI indexation on fixed and variable O&M components after every two years in April on the basis of CPI of preceding month of March in line with other CPPs. Since the Authority has not considered financial cost component in the instant case, no adjustment mechanism is required.

Whether adequate transmission facilities are available for evacuation of power from LCL generation facility?

7.17. According to LCL, KE is working with LCL for evacuation and transmission of electric power to DHCK. KE was asked to update on the interconnection arrangement for evacuation of power from LCl. and its transmission/distribution to DHCK. KE vide email dated 5th September 2020 submitted following in the matter:

#### a) Interconnection Arrangement

Lucky coment generation which is on 6.3kV will be connected to two 6.3/11 kV (7.5 MVA) Power transformers via three VCBs (1 incomer and 2 outgoing switch). 11kV side of each Power transformer will be connected to two separate VCBs (VCBs includes Metering) through which 400 sq.mm feeder will be connected.

#### b) Procurement & Construction Scope

• Procurement of all material which mainly includes 5 VCBs (1250 Amp), 2 Power transformers (7.5 MVA), 1 KM 630 sq.mm 1/2 copper cable and around 12 KM 400 sq.mm 3/2 XLPE U/G cable will be done by DHCK. Construction of substation at Lucky cement, installation of switches, installation Power transformers and laying of two feeders will also be done by DHCK

#### c) Operation & Maintenance of Power Evacuation Line

 K-Electric will operate and maintain 5-6 KM XLPE 3/5400 sq.mm feeder cable from Lucky coment to DHCK. Accordingly, DHCK will arrange for switch room as per KE specs with placement of 11kV VCB switches as per KE standards/specs for all maintenance activity

#### 8. Undertaking

8.1. During the hearing, the Authority directed LCI. to submit an undertaking to ensure uninterrupted power supply of 20 MW to HESCO and in case the Authority approves higher tariff for the instant PAR, that shall not be used by LCL against HESCO PAR's approved tariff

8.2. LCL submitted the required Undertaking vide letter dated 30th July 2020. The contents of the Undertaking are reproduced hereunder:





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· 18.

- "We, Lucky Cement Limited a company incorporated under the laws of Pakistan, (hereinafter referred to as "LCL"), with respect to the supply of electricity to K-Electric for onward supply to DHA City Karachi, undertake to the National Electric Power Regulatory Authority as follows:
- That LCI. has entered into a Power Purchase Agreement ("PPA") dated 22.03.2011 with Hyderabad Electric Supply Company Limited ("HESCO") to sell electricity on the terms and conditions as enshrined under the PPA
- ii. That it shall, at first instance, fulfill all its obligations towards HESCO as laid down in the PPA
- iii. That in the event NEPRA approves the tariff as applied for by LCL for supply of surplus electricity to K-Electric for onward supply to DHA City Karachi, LCl. shall not use such tariff to discriminate in any manner against HESCO."
- 8.3. HESCO vide its letter dated 30th July 2020 submitted that HESCO & LCL signed the Power Purchase Agreement (PPA) on CPPA tariff and HESCO obtained the undertaking from LCL for the tariff determined by NEPRA. Subsequently, NEPRA determined the tariff for LCL & other Power Producers on 09.01.2013 and the same was challenged by LCL (in presence of abovementioned undertaking by LCL) & others in Court of Law for its suspension. From the above position, ITESCO would not trust on LCL that it will follow the provisions of undertaking to be submitted by them in NEPRA.
- 8.4. Keeping in view the comments of HESCO, LCL is directed to completely abide by its undertaking, failure to which, may lead to fine or termination of LCL's generation license or both.
- 9. Summary of Tariff
- 9.1. The summary of tariff is presented hereunder:

Description	Rs./kWh	Indexation/ Adjustment
Fuel Cost component Excl GIDC	8.9759	Gas Price
Fixed Cost Component:	1.5788	
Variable O&M	0.6100	CPI (General)
Fixed O&M	0.4750	CPI (General)
Insurance	0.1067	
ROE	0.3871	-
Total	10.5547	]

#### 10. Order

10.1. In pursuance of the Regulation 4(1) of the NEPRA Interim Power Procurement (Procedure & Standards) Regulations 2005, K-Electric Limited is granted permission for power acquisition of up to 5 MW from Lucky Cement Limited on take and pay basis of on following reference tariff:



AUTHORITY



Reference Tariff	Re	feren	ce'	Ta	riff
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Description	Rs./kWh	Indexation/ Adjustment			
Fuel Cost component Excl GIDC	8.9759	Gas Price			
Fixed Cost Component:	1.5788				
Variable O&M	0.6100	CPI (General)			
Fixed O&M	0.4750	CPI (General)			
Insurance	0.1067				
ROE	0.3871	] -			
Total	10.5547				

#### Tariff Adjustments/Indexations

10.2. The reference tariff is subject to following adjustments/indexations:

#### Adjustment on Account of Gas Price Variation

10.3. The fuel cost component shall be gas price variation as notified by OGRA or any other body for captive power producers from time to time according to following mechanism:

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FCC(Rev)	$FCC_{(Ren)} \times GP_{(Rev)}/GP_{(Ren)}$
Where:	
FCC(Rev)	Revised Fuel Cost Component applicable for the billing cycle Reference FCC on Gas is Rs. 8.9759/kWh
FCC(Ref)	Reference FCC on Gas is Rs. 8.9759/kWh
GP _(Rev)	Revised Ex-GST HHV gas price applicable for the billing cycle as notified by OGRA for captive power plants
GP(Ref)	Reference Ex-GST HHV Gas Price is Rs. 1,021/MMBtu

#### Adjustment on Account of Inflation

10.4. The O&M cost shall be subject to indexation every two years in the month of April on the basis of CPI (General) as published by Pakistan Bureau of Statistics for the preceding month of March as per the following mechanism:

$O&M_{(Rev)}$	$= O&M_{(Rel)} \times O$	CPI _(Rev) /CPI _(Ref)	
Where:			
O&M _(Rev)		able and Fixed Variable O&M components of tariff	
O&M _(Rei)	0.6100/kWh	ariable and Fixed O&M components of tariff of Rs. and Rs. 0.4750/kWh respectively	
CPI _(Rev)	Statistics	General) index as published by Pakistan Bureau of	
GP _(Ref)	= Reference CF	I (General) of 240.98 for March 2019	

- 10.5. Fixed cost has been assessed on the basis of 9 months plant operation, in case of plant operation in three non-gas months; the power producer will be entitled only the fuel cost component and variable O&M.
- 10.6. The term of the contract shall be four (04) years with effect from the date of this determination.
- 10.7. Either party shall have the right for early termination of the contract by giving suitable notice.





10.8. K-Electric is directed to incorporate the same in the Power Acquisition Contract and submit the proposed Power Acquisition Contract in line with the Regulation 5(1) of the IPPR-2005.

#### 11. Notification

11.1. The above order is to be notified in the official gazette in accordance with the provisions of Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act 1997.

#### AUTHORITY

Saif Ullah Chattha 22 . P. 2520

Member

Rehmatullah Baloch

Member 4

Engr. Rafique Ahmed Shaikh

Member

Engr. Bahadur Shah

Member

Tauseef H. Farooqi Chairman

NEPRA AUTHORITY

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# SECOND ADDENDUM

TO THE

POWER ACQUISITION CONTRACT.

BETWEEN

K-ELECTRIC LIMITED

AND

LUCKY CEMENT LIMITED

## [SUBJECT TO NEPRA's APPROVAL]

#### Second Addendum to the Power Acquisition Contract

THIS SECOND ADDENDUM (the "Addendum") is made and entered into on this date [insert signing date], 2024 (the "Signing Date"), to be effective from 1st day of October 2024 (the "Addendum Effective Date"), at Karachi,

#### BY AND BETWEEN

K-ELECTRIC LIMITED, a public limited company incorporated under the laws of Pakistan with its registered office at KE House, 39-B, Sunset Boulevard, Phase II, D.H.A., Karachi. (hereinafter referred to as "KE", an expression which shall mean and include its successors in interest and assigns);

#### AND

LUCKY CEMENT LIMITED, a public limited company incorporated under the Companies Ordinance, 1984 with its registered office at Main Indus Highway, Darra Pezu, District Lakki Marwat, Khyber Pakhtunkhwa, Pakistan (hereinafter referred to as "LCL", an expression which shall mean and include its successors-in-interest and assigns).

(KE and LCL are collectively hereinafter referred to as "Parties" and individually as a "Party" as the context may require.)

#### RECITALS

#### WHEREAS:

A. WHEREAS the Parties had entered into a Power Acquisition Contract dated March 26, 2021 ('Contract') for the purchase of up to SMW electricity by KE from LCL for onward supply to DHA City Karachi in accordance with the terms and condition stipulated therein.

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- B. WHEREAS (following approval of National Electric Power Regulatory Authority ("NEPRA"), the Parties have entered into the an addendum to the Contract on (*Insert Date*) to cater for the generation of electricity using indigenous gas and/or reliquefied natural gas (the "First Addendum") OR the Parties have submitted a draft addendum to National Electric Power Regulatory Authority ("NEPRA") for approval, to amend certain provisions in the Contract to cater for the generation of electricity using indigenous gas and/or reliquefied natural gas (the "First Addendum").
- C. WHEREAS the construction work of DHA City Karachi Grid Station and Transmission lines is expected to be completed by mid of year 2028 and in view thereof, the Parties agree to extend the Term of the Contract for a further period of two years commencing from 1st October 2024 and expiring on 30th September 2026.

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# [SUBJECT TO NEPRA's APPROVAL]

NOW THEREFORE, in consideration of the mutual promises herein contained the Parties agree as follows:

#### 1. DEFINITIONS AND RULES OF INTERPRETATION

- 1.1 Unless otherwise defined herein or if the context otherwise requires, all capitalized terms used in this Addendum (including the recitals hereto) shall bear the same meaning as assigned to them in the Contract.
- 1.2 This Addendum together with the recitals and annexures hereto shall constitute an integral and binding part of the Contract. In the event of any conflict between the Contract and this Addendum, the latter shall prevail.
- 1.3 The principles of interpretation and construction set out in the Contract shall, to the extent applicable, apply to the interpretation of this Addendum.

#### 2. AMENDMENTS

2.1 The Parties hereby agree to renew the Contract for a period of two (02) years and the Contract shall remain effective till 30th September 2026. In view thereof, Section 2.1 of the Contract shall stand amended as follows:

"2.1 This Contract shall become effective on the date of approval is granted by NEPRA dated 30th September 2020 for supply of Net Electrical Output to KE (hereinafter referred to as "Effective .Date"), and unless terminated earlier in accordance with its terms, shall continue in full force and effect until 30th September 2026."

#### 3. MISCELLANEOUS AND Agree to the residence of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second

3.1 This Addendum shall be deemed to have taken effect from the Addendum Effective Date (subject to NEPRA's approval).

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- 3.2 This Addendum shall form an integral part of the Contract and therefore, subject to the modifications contained in this Addendum, the terms and conditions of the Contract shall continue to subsist and be as effective as before the execution of these presents and shall bind all Parties to this instrument as if the provisions of the Contract were set forth in this Addendum. For clarity, from and after the Addendum Effective Date, all mentions in the Contract referring to "this Contract" (or words or phrases of a similar meaning) shall be deemed to mean the Contract, as further amended by this Addendum.
- 3.3 Except as explicitly provided for in this Addendum, the remaining provisions, covenants, terms and conditions of the Contract shall remain unchanged and in full force and effect. No other change shall be permitted to the Contract unless Parties agree upon future amendments in writing.
- 3.4 The Parties agree that all prior addendums shall remain in full force and effect unless the new addendum explicitly invalidates any prior addendum.
- 3.5 If any term or provision in this Addendum is held by a court or competent jurisdiction to be illegal, invalid or otherwise unenforceable, all remaining provisions, terms and conditions of the Addendum and Contract shall remain in full force and effect.
- 3.7 Any dispute in connection with interpretation of this Addendum, its legality and validity shall be resolved in accordance with Clause 18 of the Contract which shall apply correspondingly apply to this Addendum.

Page 3 of 4

A.

# [SUBJECT TO NEPRA's APPROVAL]

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or and on behalf of -Electric Limited				
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Ref # LCL/KE/PG/240910

Date: 10th September 2024

Brig. Sohail Imtiaz
Chief Executive Officer
DHA Energy Supply Company (Pvt) Ltd
DHA City, M-9 Motorway
Karachi.

Dear Sir,

SUBJECT:

BI-LATERAL ARRANGEMENT FOR POWER SUPPLY - LUCKY CEMENT LIMITED AND DHA

ENERGY SUPPLY COMPANY (Pvt) Ltd ("DESCO")

With reference to your letter dated [August 27, 2024], Lucky Cement Limited ("LCL") is hereby informing you of its consent to enter into a Power Acquisition Contract with DHA Energy Supply Company (Private) Limited ("DESCO") for supply of power to DHA City of up to 6.0MW, subject to all regulatory approvals.

Best regards,

Syed Hassan Mazhar

General Manager-Power Generation

Lucky Cement Limited-KP

C.C: Executive Director - Lucky Cement Limited

Mr. Faisal Jehangir, Advisor ADHA, DHA City Karachi, Karachi

Lucky Cement Limited

6-A. Mohammad Ali Housing Society. A. Aziz Hashim Tabba Street, Karachi-75350, U.A.N: 111-786-555 E: 34534302 E: info@locky-cement.com URL: www.lucky-cement.com





Sales/CPP/NOC/SUR-PWR/MoE/01 Date: 24th January, 2024

General Manager Power Generation, M/s. Lucky Cement Limited 6-A, Mohammad Ali Housing Society, A.Aziz Hashim Tabba Street, Karachi.

Subject:

NOC/Permission to Sell Surplus Power to DHA City on 1.4 MMCFD RLNG for Captive Power Generation.

Customer IDs.

0846951000, 1846951000

Address:

58 Km Milestone Super Highway, Karachi.

Dear Sir,

This is with reference to your request vide application No.LCL/PG/SSGC/012/012404 dated. 4th January, 2024 regarding issuance of NOC to M/s. Lucky Cement Limited to sell surplus power to DHA city on 100% RLNG basis for the load of 1.4 MMCFD and further submission of RLNG contract dated 22nd January, 2024..

In this regard, we are pleased to inform that your request to sell surplus power to DHA City from your gas based Captive Power Generation has been approved by the management of SSGC under Ministry of Energy (MoE) directives vide their letter No. NG (II)-7(143)/PS/22-Vol-lpt dated 28-11-2023.

Lucky Cement is allowed to supply electricity up to 6 MW (equivalent to 1.44 mmcfd gas) to DHA city on humanitarian grounds subject to 100% volume to be billed on RLNG. LCL will provide details of electricity sold to K.E during the month on 1st of next month.

NOC is granted subject to following conditions:

- 1. RLNG would be supplied on "as and when available basis".
- 2. RLNG would be provided as per rates decided by OGRA.

11.00

distribution of the

- This NOC will automatically become invalid if Ministry of Energy (MoE) or NEPRA withdraws its directives of sale of surplus power to DHA City.
- All other terms and conditions governing Allocation of gas for Captive Power generation will remain same as mention in our letter ref: SALES/PG-594/05 dated July 15, 2005.

Assuring you of our best services, we remain,

Yours sincerely,

Yours faithfully For: Sui Southern Gas Company Ltd

Muhammad Riaz

General Manager (Sales)

SSGC House, Sir Shah Suleman Road, Gulshan-e-Iqbal, P.O. Box 17989, Karachi-75300 PABX Telephone 99021000, Fax: 92-21-99231550, Website: www.ssgc.com.pk

(2) Company

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#### SL Addl item No. 7

# 5 - Year Investment Plan Indicating Schemes/ Models/ Framework For Undertaking Supply of Electric Power

Years	Description	Status of Completion
1-2	2 x 11kV feeders laid (1 x feeder energized) under KE billing with supply from Lucky Cement under agreement.	90% completed
	11 kV distribution network (approx. 55km) along with transformers of different capacity (approx.75 No.) energized at different sectors along with LT distribution.	
	Street lights solar and conventional at major streets.	
	Additional work in progress for spreading electrical infrastructure at various sectors.	65% Completed
2-3	Energization of 2 nd 11 kV feeder.	Proposed
	11kV NW extension in other sectors as per development strategy.	
	Provision of PMU/FPB for consumer supply at different sectors.	
	Provision of metering system for end consumers.	
	Street lights installation at major streets as per development plan.	
3-5	Extension of 11 kV to other phases of DHAC (South)	Proposed
	Evaluation of peak load demand for optimizing electrical infrastructure.	
	11kV NW laying in other sectors as per development.	
	Provision of PMU/FPB for consumer supply at different sectors.	
	For load exceeding the projection alternate/ renewable/additional feeder from power generating company.	



electric power

## AUDITED FINANCIAL STATEMENTS OF DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

FOR THE YEAR ENDED JUNE 30, 2023



### Rahman Sarfaraz Rahim Iqbal Rafiq

**CHARTERED ACCOUNTANTS** 

Piot No. 180, Block-A, S.M.C.H.S. Kerachi-74400, PAKISTAN. Tel. No.: (021) 34549345-7 E-Mail: info@rsrir.com Website: www.rsrir.com Other Offices at Lahore - Rawalpindi / Islamabad

#### INDEPENDENT AUDITORS' REPORT

To the members of DHA Energy Supply Company (Private) Limited

#### REPORT ON THE AUDIT OF THE FINANCIAL STATEMENTS

#### **Opinion**

We have audited the annexed financial statements of M/s. DHA Energy Supply Company (Private) Limited ('the Company'), which comprise the statement of financial position as at June 30, 2023, and the statement of profit or loss, the statement of comprehensive income, the statement of changes in equity, the statement of cash flows for the year then ended, and notes to the financial statements; including a summary of significant accounting policies and other explanatory information ('the financial statements'), and we state that we have obtained all the information and explanations which, to the best of our knowledge and belief, were necessary for the purposes of the audit.

In our opinion and to the best of our information and according to the explanations given to us, the statement of financial position, statement of profit or loss, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows together with the notes forming part thereof conform with the accounting and reporting standards as applicable in Pakistan and give the information required by the Companies Act, 2017 (XIX of 2017), in the manner so required and, respectively, give a true and fair view of the state of the Company's affairs as at June 30, 2023 and of the profit, total comprehensive income, the changes in equity and its cash flows for the year then ended.

#### **Basis for Opinion**

We conducted our audit in accordance with International Standards on Auditing (ISAs) as applicable in Pakistan. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the International Ethics Standards Board for Accountants' Code of Ethics for Professional Accountants as adopted by the Institute of Chartered Accountants of Pakistan ('the Code') and we have fulfilled our other ethical responsibilities in accordance with the Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### **Emphasis of matter**

We draw attention to note 1.2 to the financial statements, which describes uncertainty about the grant of distribution license to the Company. Our opinion is not modified in respect of this matter.

#### Responsibilities of Management and Board of Directors for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the accounting and reporting standards as applicable in Pakistan and the requirements of Companies Act, 2017 (XIX of 2017) and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.



## Rahman Sarfaraz Rahim Iqbal Rafiq

**CHARTERED ACCOUNTANTS** 

Piot No. 180, Block-A, S.M.C.H.S. Karachi-74400, PAKISTAN. Tel. No. :(021) 34549345-7 E-Mail :info@rsrir.com Website: www.rsrir.com Other Offices at Lahore - Rewalpindi / Islamabad

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#### Responsibilities of Management and Board of Directors for the Financial Statements (continued)

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Board of Directors are responsible for overseeing the Company's financial reporting process.

#### Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs as applicable in Pakistan will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with ISAs as applicable in Pakistan, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the Board of Directors regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Cont'd... P/3



## Rahman Sarfaraz Rahim Iqbal Rafiq

CHARTERED ACCOUNTANTS

Piot No. 180, Block-A, S.M.C.H.S. Karachl-74400, PAKISTAN.
Tel. No. :(021) 34549345-7
E-Mail :info@rsrir.com
Website: www.rsrir.com
Other Offices at

Lahore - Rawalpindi / Islamabad

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#### REPORT ON OTHER LEGAL AND REGULATORY REQUIREMENTS

Based on our audit, we further report that in our opinion:

- a) proper books of account have been kept by the Company as required by the Companies Act, 2017 (XIX of 2017);
- b) the statement of financial position, the statement of profit or loss, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows together with the notes thereon have been drawn up in conformity with the Companies Act, 2017 (XIX of 2017) and are in agreement with the books of account and returns;
- c) investments made, expenditure incurred and guarantees extended during the year were for the purpose of the Company's business; and
- d) no Zakat was deductible at source under the Zakat and Ushr Ordinance, 1980 (XVIII of 1980).

The engagement partner on the audit resulting in this independent auditor's report is Mr. Muhammad Waseem.

RAHMAN SARFARAZ RAHIM IQBAL RAFIQ

**Chartered Accountants** 

Karachi

Date: May 31, 2024

UDIN: AR202310213ner8wzxc2

#### Statement of Financial Position

Aa at June 30, 2023

		2023	2022
ASSETS	Note	Rupe	es <del> </del>
Current assets			
Receivable from holding company	5	400,000	150,000
Taxation - net		3,967,812	4,077,981
Bank balances	6	17,652,189	15,801,415
Total assets	<u>-</u>	22,020,001	20,029,396
EQUITY AND LIABILITIES			
Share capital and reserves			
Authorized capital	7 _	100,000,000	100,000,000
Issued, subscribed and paid up capital	7	10,000,000	10,000,000
Revenue reserve			
Unapprorpriated profits		5,815,406	3,846,381
Current liabilities		15,815,406	13,846,381
Accrued liabilities	8	134,320	112,740
Payable to ultimate parent	9 _	6,070,275 6,204,595	6,070,275 6,183,015
		7,20 ,,070	0,100,010
Contingencies and commitments	10	-	-
Total equity and liabilities		22,020,001	20,029,396

The annexed notes from 1 to 18 form an integral part of these financial statements.

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Director

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#### Statement of Comprehensive Income

For the year ended June 30, 2023

	2023 Rupee	2022 ees —	
Profit after taxation	1,969,026	905,586	
Other comprehensive income	-	-	
Total comprehensive income	1,969,026	905,586	

The annexed notes from 1 to 18 form an integral part of these financial statements.

Chieffxecutive

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#### Statement of Profit or Loss

For the year ended June 30, 2023

	Note	2023 Rupe	2022 es ———
Administrative expenses	11	(85,970)	(83,075)
Other income	12	2,547,252	1,229,386
Profit before taxation	-	2,461,282	1,146,311
Taxation	13	(492,256)	(240,725)
Profit after taxation	-	1,969,026	905,586

The annexed notes from 1 to 18 form an integral part of these financial statements.

Chief Executive

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# Statement of Changes in Equity For the year ended June 30, 2023

	Issued, subscribed and paid-up capital	Unappropriated profits	Total
		Rupees	
Balance as at June 30, 2021	10,000,000	2,940,795	12,940,795
Total comprehensive income for the year ended June 30, 2022			
- Profit after taxation - Other comprehensive income	-	905,586	905,586 - 905,586
Balance as at June 30, 2022	10,000,000	3,846,381	13,846,381
Total comprehensive income for the year ended June 30, 2023			
- Profit after taxation - Other comprehensive income		1,969,026	1,969,026
Balance as at June 30, 2023	10,000,000	5,815,406	15,815,406

The annexed notes from 1 to 18 form an integral part of these financial statements.

and wilden Band wilden Chief Executive

Director



#### Statement of Cash Flows

For the year ended June 30, 2023

Cash flows from Operating Activities	2023 Rupees	2022
Profit before taxation	2,461,282	1,146,311
Working Capital Changes:		
Increase in receivable from holding company Increase in accrued liabilities	(250,000) 21,580	(150,000) 62,580
	2,232,862	1,058,891
Income tax paid Net cash from operating activities	(382,088) 1,850,774	(182,194) 876,697
Net change in cash and cash equivalents	1,850,774	876,697
Cash and cash equivalents at beginning of the year	15,801,415	14,924,718
Cash and cash equivalents at end of the year	17,652,189	15,801,415

The annexed notes from 1 to 18 form an integral part of these financial statements.

Chief Executive

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Director

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#### Notes to the Financial Statements

For the year ended June 30, 2023

September -

#### 1. LEGAL STATUS AND NATURE OF BUSINESS

- 1.1 DHA Energy Supply Company (Private) Limited (the Company) was incorporated in Pakistan on March 02, 2017 as a private company limited by shares under the Companies Ordinance, 1984 (now Companies Act, 2017). The registered office of the Company is located at 2-B, East Street, Phase-I, DHA, Karachi, in the province of Sindh. The principal objectives of the Company are to carry out the businesses of generating, purchasing, importing, transforming, converting, distributing, supplying, exporting and dealing in electricity and all other forms of energy and products or services associated therewith and of promoting the conservation and efficient use of electricity and to perform all other acts which are necessary or incidental to the business of electricity generation, transmission, distribution and supply.
- 1.2 The Company had applied for distribution license to supply electric power in DHA Karachi areas. K-Electric (KE) filed a suit in the Sindh High Court (SHC) against the Company, National Electric Power Regulatory Authority (NEPRA) and others challenging the same as KE had been granted "exclusive right" to generate and distribute electric power in that area. However, effective July 2023, the exclusive right of KE has been revoked and other entities are also allowed to supply electric power in Karachi. Therefore, the Company intends to take up its application filed earlier with NEPRA and expects that distribution license will be granted to the Company.
- 1.3 The Company is a wholly owned subsidiary of DHA Energy and Services (Private) Limited. The ultimate parent of the Company is Pakistan Defence Officers Housing Authority.
- 1.4 These financial statements are presented as stand alone financial statements.

#### 2. BASIS OF PREPARATION

#### 2.1 Statement of compliance

These financial statements have been prepared in accordance with the accounting and reporting standards as applicable in Pakistan. The accounting and reporting standards applicable in Pakistan comprise of:

- International Financial Reporting Standard (IFRS) issued by the International Accounting Standards Board (IASB) as notified under the Companies Act, 2017; and
- Provisions of and directives issued under the Companies Act, 2017.

Where provisions of and directives issued under the Companies Act, 2017 differ from the IFRS, the provisions of and directives issued under the Companies Act, 2017 have been followed.

#### 2.2 Basis of measurement

These financial statements have been prepared under the historical cost convention.

#### 2.3 Functional and presentation currency

These financial statements are presented in Pakistani Rupees, which is the Company's functional and presentation currency.

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#### 2.4 Critical accounting estimates and judgments

The preparation of the financial statements in conformity with approved accounting standards, as applicable in Pakistan, requires management to make estimates, assumptions and use judgment that affect the application of accounting policies and the reported amount of assets, liabilities, income and expenses. Estimates, assumptions and judgements are continually evaluated and are based on historical experience and other factors that are believed to be reasonable under the circumstances.

Revisions to accounting estimates are recognized in the period in which the estimates are revised. There are no areas where judgement and estimates have been used in these financial statements.

#### 3. NEW ACCOUNTING PRONOUNCEMENTS

#### 3.1 Amendments to published accounting and reporting standards which became effective during the year:

There were certain amendments to the accounting and reporting standards which became mandatory for the Company during the year. However, the amendments did not have any significant impact on the financial reporting of the Company and, therefore, have not been disclosed in these financial statements.

#### 3.2 Amendments to published accounting and reporting standards that are not yet effective:

There are certain amendments to the accounting and reporting standards that will be mandatory for the Company's annual accounting periods beginning on or after July 1, 2023. However, these amendments will not have any significant impact on the financial reporting of the Company and, therefore, have not been disclosed in these financial statements.

#### 4. SIGNIFICANT ACCOUNTING POLICIES

The significant accounting policies applied in the preparation of these financial statements have been consistently applied to all the periods presented.

#### 4.1 Provisions

Provisions are recognized when the Company has a present, legal or constructive obligation as a result of past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and a reliable estimate of the amount can be made. However, provisions are reviewed at each reporting date and adjusted to reflect the current best estimate.

#### 4.2 Financial assets

#### 4.2.1 Initial recognition, classification and measurement

The Company recognizes a financial asset when and only when it becomes a party to the contractual provisions of the instrument evidencing investment. The Company classifies its financial assets into either of following three categories:

- (a) financial assets measured at amortized cost;
- (b) financial assets at fair value through other comprehensive income (FVOCI); and
- (c) financial assets at fair value through profit or loss (FVTPL).

#### (a) Financial assets measured at amortized cost

A financial asset is measured at amortized cost if it is held within business model whose objective is to hold assets to collect contractual cash flows, and its contractual terms give rise on specified dates to cash flows that are solely payments of principal and interest on principal amount outstanding.

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Such financial assets are initially measured at fair value plus transaction costs that are directly attributable to the acquisition or issue thereof.

#### (b) Financial assets at FVOCI

A financial asset is classified as at fair value through other comprehensive income when it is held within a business model whose objective is achieved by both collecting contractual cash flows and selling financial assets and its contractual terms give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

Such financial assets are initially measured at fair value plus transaction costs that are directly attributable to the acquisition or issue thereof.

#### (c) Financial assets at FVTPL

A financial asset shall be measured at fair value through profit or loss unless it is measured at amortised cost or at fair value through other comprehensive income, as aforesaid. However, for an investment in equity instrument which is not held for trading, the Company may make an irrevocable election to present in other comprehensive income subsequent changes in the fair value of the investment.

Such financial assets are initially measured at fair value.

#### 4.2.2 Subsequent measurement

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#### (a) Financial assets measured at amortized cost

These assets are subsequently measured at amortized cost (determined using the effective interest method) less accumulated impairment losses.

Interest / markup income, foreign exchange gains and losses and impairment losses arising from such financial assets are recognized in profit or loss.

#### (b) Financial assets at FVOCI

These are subsequently measured at fair value less accumulated impairment losses.

A gain or loss on a financial asset measured at fair value through other comprehensive income in accordance is recognised in other comprehensive income, except for impairment gains or losses and foreign exchange gains and losses, until the financial asset is derecognised or reclassified. When the financial asset is derecognised the cumulative gain or loss previously recognised in other comprehensive income is reclassified from equity to profit or loss as a reclassification adjustment. Interest is calculated using the effective interest method and is recognised in profit or loss.

#### (c) Financial assets at FVTPL

These assets are subsequently measured at fair value.

Net gains or losses arising from remeasurement of such financial assets as well as any interest income accruing thereon are recognized in the statement of profit or loss. However, for an investment in equity instrument which is not held for trading and for which the Company has made an irrevocable election to present in other comprehensive income subsequent changes in the fair value of the investment, such gains or losses are recognized in other comprehensive income. Further, when such investment is disposed off, the cumulative gain or loss previously recognised in other comprehensive income is not reclassified from equity to profit or loss.

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#### 4.2.3 Impairment

The Company recognises a loss allowance for expected credit losses in respect of financial assets measured at amortised cost.

For trade receivables, the Company applies the IFRS 9 'Simplified Approach' to measuring expected credit losses which uses a lifetime expected loss allowance.

For other financial assets, the Company applies the IFRS 9 'General Approach' to measuring expected credit losses whereby the Company measures the loss allowance for a financial instrument at an amount equal to the lifetime expected credit losses if the credit risk on that financial instrument has increased significantly since initial recognition. However, if, at the reporting date, the credit risk on a financial instrument has not increased significantly since initial recognition, the Company measures the loss allowance for that financial instrument at an amount equal to 12-month expected credit losses.

The Company measures expected credit losses on financial assets in a way that reflects an unbiased and probability-weighted amount, time value of money and reasonable and supportable information at the reporting date about the past events, current conditions and forecast of future economic conditions. The Company recognises in profit or loss, as an impairment loss, the amount of expected credit losses (or reversal) that is required to adjust the loss allowance at the reporting date.

Loss allowances for financial assets measured at amortised cost are deducted from the gross carrying amount of the assets.

#### 4.2.4 De-recognition

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Financial assets are derecognized when the rights to receive cash flows from the financial assets have expired or have been transferred, and the Company has transferred substantially all risks and rewards of ownership.

#### 4.3 Financial liabilities

Financial liabilities are classified as measured at amortized cost or 'at fair value through profit or loss' (FVTPL). A financial liability is classified as at FVTPL if it is classified as held for trading, it is a derivative or it is designated as such on initial recognition. Financial liabilities at FVTPL are measured at fair value and net gains and losses, including any interest expense, are recognized in the statement of profit or loss and other comprehensive income.

Other financial liabilities are subsequently measured at amortized cost using the effective interest method. Interest expense and foreign exchange gains and losses are recognized in the statement of profit or loss. Any gain or loss on de-recognition is also recognized in the statement of profit or loss and other comprehensive income.

Financial liabilities are derecognised when obligation under the liability is discharged, cancelled or expired.

#### 4.4 Cash and cash equivalents

For the purpose of statement of cash flows, cash and cash equivalents comprises balances with banks.

#### 4.5 Taxation

Provision for current taxation is based on the taxable income for the period determined in accordance with the prevailing law for taxation on income. The charge for current tax is calculated using applicable tax rates, based on tax laws enacted or substantively enacted at the end of the reporting period.

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#### 4.6 Accrued expenses

These are carried at cost which is the fair value of the consideration to be paid in the future for goods and services received, whether or not billed to the Company.

#### 4.7 Interest income

Interest income is accrued on a time proportionate basis, by reference to the principal outstanding and at the applicable effective interest rate.

#### 4.8 Foreign currency translation

Transactions in foreign currencies are translated in Pakistan Rupees using the exchange rate prevailing at the dates of transaction. Monetary assets and liabilities in foreign currencies are translated into Pakistan Rupees using the rates of exchange at the reporting date. Exchange gains and losses from the settlement of foreign currency transactions and translation of monetary assets and liabilities denominated in foreign currencies at the reporting date are included in statement of profit or loss account.

#### 4.9 Offsetting financial assets and financial liabilities

A financial asset and a financial liability is offset and the net amount is reported in the statement of financial position, if the Company has a legally enforceable right to set off, and also intends either to settle on a net basis or to realize the asset and settle the liability simultaneously.

#### 4.10 Borrowings and borrowing costs

Borrowings are recognised initially at fair value net of transaction costs, and subsequently at amortised cost using the effective interest method. Borrowings payable within next twelve months are classified as current liability. Borrowing costs are recognized as an expense in the period in which they are incurred except where such costs are directly attributable to the acquisition, construction or production of a qualifying asset in which such costs are capitalized as part of the cost of that asset.

#### 5. RECEIVABLE FROM HOLDING COMPANY

This represents amount due from DHA Energy and Services (Private) Limited (the Holding Company) in respect of funds transferred to them.

2023

2022

6.	BANK BALA	NCES	i	Note	Rupees -	
	Cash at bank -	saving acco	ount	6.1	17,652,189	15,801,415
6.1	It carries inter-	est at an ave	rage rate of 14.5% (2022: 9.75%) per annun	n.		
7.	SHARE CAP	ITAL				
	2023	2022			2023	2022
	Number o	f shares			Rupe	es
			Authorised capital			
	10,000,000	10,000,000	Ordinary shares of Rs. 10 each		100,000,000	100,000,000
			Issued, subscribed and paid-up capital			
	1,000,000	1,000,000	Ordinary shares of Rs. 10 each fully paid in ca	ash	10.000.000	10.000.000

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- 7.1 The Company has one class of ordinary shares which carries no right to fixed income. The shareholders are entitled to one vote per share at meetings of the Company. All shares rank equally with regard to the Company's residual assets.
- 7.2 As at June 30, 2023, all shares of the Company were held by DHA Energy and Services (Private) Limited (the Holding Company).

8.	ACCRUED LIABILITIES	Note	2023 Rupees	2022
	Audit fees Professional fee Withholding sales tax payable		106,200 25,000 3,120 134,320	82,600 27,500 2,640 112,740
9.	PAYABLE TO ULTIMATE PARENT			
	Expenses incurred on behalf of the Company	9.1	6,070,275	6,070,275

9.1 These amounts were paid by the ultimate parent to the vendors to support working capital.

#### 10. CONTINGENCIES AND COMMITMENTS

There were no contingencies and commitments outstanding as at June 30, 2023 (2022: as disclosed in note 1.2)

			2023	2022
		Note	Rupe	es
11.	ADMINISTRATIVE EXPENSES			
	Professional charges		15,000	27,500
	Auditors' remuneration	11.1	59,000	47,200
	Fees and subscription		11,970	8,375
	. •		85,970	83,075
11.1	Auditors' remuneration			
	Audit fees		54,000	43,200
	Out of pocket expenses		5,000	4,000
	•		59,000	47,200
12.	OTHER INCOME		Ġ	
	Interest on savings account		2,547,252	1,214,626
	Other income		-	14,760
	Odici moone		2,547,252	1,229,386
13.	TAXATION			
	Current		492,256	240,725

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#### 14. TRANSACTIONS WITH RELATED PARTIES

Related parties of the Company comprise of parent entity, companies under common control, key management personnel and directors (as well as their close family members). Details of transactions and balances with related parties, except as disclosed elsewhere in the financial statements are given below:

	Name of Related Party	Relationship with the Company	Nature of transaction	2023	2022
				Rup	ces
	DHA Energy and Services (Private) Limited	Holding company	Funds transferred	400,000	150,000
15.	FINANCIAL INSTRUMEN	PTS		2023 Rup	2022 ees
		.15			
15.1	Financial instruments by car	tegory			
	Financial assets measured at	amortized cost			
	Receivable from holding com	pany		400,000	150,000
	Bank balances	•		17,652,189	15,801,415
				18,052,189	15,951,415
	Financial liabilities measured	d at amortized cost			
	Accrued liabilities			131,200	110,100
	Payable to ultimate parent			6,070,275	6,070,275
				6,201,475	6,180,375
15.2	Financial risk analysis				

The Company has exposure to the following risks from financial instruments:

- Market risk

- Credit risk
- Liquidity risk

This note presents information about the nature and extent of risk to which the Company is exposed, arising from financial instruments and the risk management framework of the Company.

#### 15.2.1 Market risk

Market risk is the risk that the value of the financial instrument may fluctuate as a result of changes in market interest rates, foreign exchange rates or the equity prices due to a change in credit rating of the issuer or the instrument, change in market sentiments, speculative activities, supply and demand of securities and liquidity in the market. Market risk comprises of three types of risk: currency risk, interest rate risk and other price risk.

#### Currency risk

Currency risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in foreign exchange rates. The Company's exposure to the risk of changes in foreign exchange rates relates primarily to the Company's operating activities (when revenue or expense are denominated in a different currency from the Company's functional currency). As at June 30, 2023 the Company is not exposed to currency risk.

#### (ii) Interest rate risk

Interest rate risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market interest rates. The Company's interest rate risk arises from saving account with bank amounting to Rs.17.65 million. The effect of changes in interest rates is not considered to have a material effect on the financial statements.

#### (iii) Other price risk

Price risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market prices (other than those arising from interest rate risk or currency risk), whether those changes are caused by factors specific to the individual financial instrument or its issuer, or factors affecting all similar financial instruments traded in the market. As at June 30, 2023, the Company is not exposed to price risk.

#### 15.2.2 Credit risk and concentration of credit risk

Credit risk is the risk that one party to a financial instrument will fail to discharge an obligation and cause the other party to incur a financial loss, without taking into account the fair value of any collateral. Concentration of credit risk arises when a number of counter parties are engaged in similar business activities or have similar economic features that would cause their ability to meet contractual obligations to be similarly affected by changes in economic, political or other conditions. Concentration of credit risk indicates the relative sensitivity of the Company's performance to developments affecting a particular industry. As at June 30, 2023, the financial assets which are subject to credit risk amounted to Rs. 17.65 million which constitute bank balances.

The Company is exposed to credit risk on deposits with bank. The credit risk on liquid funds is limited because the counter party is bank with reasonably high credit ratings i.e. A-2 in short term and A- for long term.

#### 15.2.3 Liquidity risk

Liquidity risk represents the risk that the Company will encounter difficulties in meeting obligations associated with financial liabilities that are settled by delivering cash or another financial asset.

The table below summarizes the maturity profile of the Company's financial liabilities based on contractual undiscounted payments.

	Within one year	1 to 5 years	Total
		Rupees	
June 30, 2023			
Payable to ultimate parent	6,070,275	~	6,070,275
Accrued liabilities	131,200	<del>_</del> _	131,200
	6,201,475		6,201,475
June 30, 2022			
Payable to ultimate parent	6,070,275	-	6,070,275
Accrued liabilities	110,100		110,100
	6,180,375		6,180,375

#### 15.2.4 Risk management policies

Since the Company has not commenced its operations, it has not yet formulated its formal risk management policies.

#### 15.2.5 Capital management

The Company's objectives when managing capital are to safeguard the Company's ability to continue as a going concern in order to provide adequate returns to shareholders, benefit to other stakeholders and to maintain an optimal capital structure to reduce the cost of capital. The Company is not subject to any externally imposed capital requirements.

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#### 16. FAIR VALUE OF FINANCIAL ASSETS AND FINANCIAL LIABILITIES

Fair value is the amount for which an asset could be exchanged, or a liability settled, between knowledgeable willing parties in an arm's length transaction other than in a forced or liquidation sale.

The carrying values of all financial assets and liabilities reflected in the financial statements approximate their fair values.

Fair value hierarchy

The following table provides an analysis of financial instruments that are measured subsequent to initial recognition at fair value, grouped into Levels 1 to 3 based on the degree to which the fair value is observable.

- Level 1: fair value measurements are those derived from quoted prices (unadjusted) in active markets for identical assets or liabilities.
- Level 2: fair value measurements are those derived from inputs other than quoted prices included within
  Level 1 that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived
  from prices).
- Level 3: fair value measurements are those derived from valuation techniques that include inputs for the asset or liability that are not based on observable market data (unobservable inputs).

As at reporting date, the Company does not hold any financial instruments which have been carried at fair values.

#### 17. DATE OF AUTHORISATION FOR ISSUE

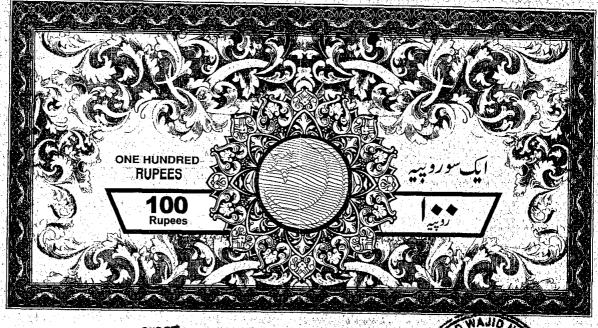
These financial statements were authorised for issue by the Board of Directors of the Company on 16 Ma 1 2024

- 18. GENERAL
- 18.1 Figures have been rounded off to the nearest Rupee.
- 18.2 There was no person in the employment of the Company. The affairs of the Company are managed through the staff of ultimate parent.

Chief Executive

Director

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#### BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

#### **AFFIDAVIT**

I, Usman Rafique s/o Ghulam Rafique Ahmed bearing CNIC No. 42501-8808302-7, Director, being duly authorized by DHA Energy Supply Company (Private) Limited, hereby solemnly affirm and declare on oath that DESCO applied for a distribution license vide application dated 16.06.2017. The Sindh High Court however issued a stay order against the processing of this application in Suit No. 2259/2017. This application by DESCO has remained pending with NEPRA till date, however, due to the promulgation of the NEPRA Amendment Act, 2018 it may be considered infructuous. DESCO has not been granted any other license, till date, under the NEPRA Act, 1997. DHA Energy Supply Company (Private) Limited has also not been refused the grant of any license under the NEPRA Act, 1997.

(DEPONENT)

Usman Rafique

Director

Dated: ______

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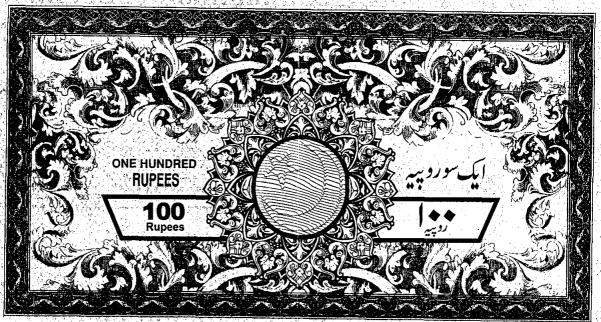
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#### BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

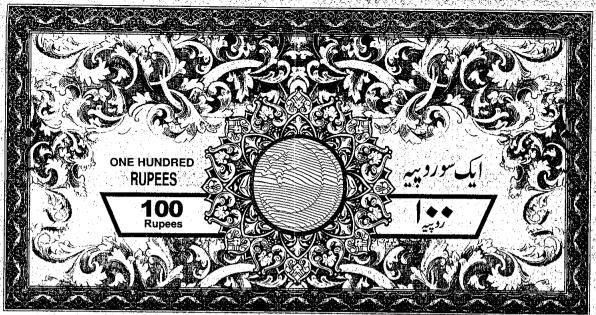
#### **AFFIDAVIT**

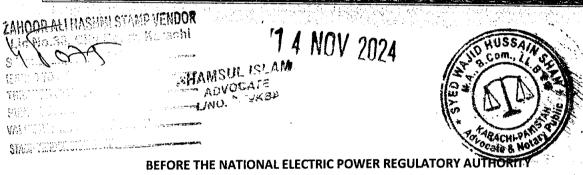
I, Usman Rafique s/o Ghulam Rafique Ahmed bearing CNIC No. 42501-8808302-7, Director, being duly authorized by DHA Energy Supply Company (Private) Limited, hereby solemnly affirm and declare on oath that the contents of the accompanying application of DHA Energy Supply Company (Private) Limited for a supply license, including all attached documents-in-support, are true and correct to the best of my knowledge and belief and that nothing has been concealed.

(DEPONENT)
Usman Rafique
Director
Dated:

SYED WAJID HUSDAINS AH
(ABYOCOM) WAR BLIC HORACHI-PAKISTAN

2 1 NOV 2024





#### **AFFIDAVIT**

I, Usman Rafique s/o Ghulam Rafique Ahmed bearing CNIC No. 42501-8808302-7, being the duly authorized representative of DHA Energy Supply Company (Private) Limited, duly authorized in this regard by virtue of Board Resolution dated 2nd Sep 2024, hereby solemnly affirm and declare that the Applicant is compliant with and shall always fulfill the obligations imposed on it under the National Electricity Policy and National Electricity Plan made under section 14A of the Act.

(DEPONENT)

USMAN RAFIQUE

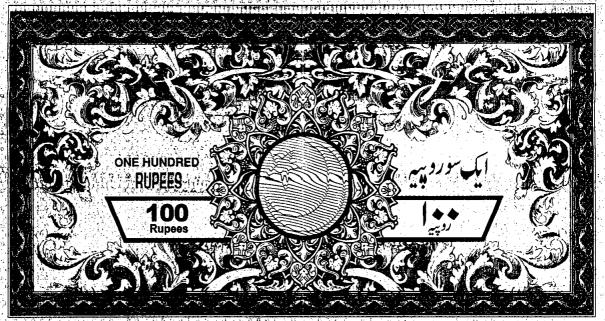
Director

Dated: _____

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BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

#### **AFFIDAVIT**

I, Usman Rafique s/o Ghulam Rafique Ahmed bearing CNIC No. 42501-8808302-7, being duly authorized by DHA Energy Supply Company (Private) Limited, hereby solemnly affirm and declare on oath that DHA Energy Supply Company (Private) Limited has fulfilled all the requirements provided under The Eligibility Criteria (Electric Power Supplier License) Rules, 2023 for the grant of a supply license.

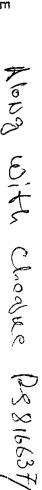
(DEPONENT)
USMAN RAFIQUE

USMAN RAFIQUE
Director

Dated:



2 1 NOV 2024





# DHA Energy Supply Company (Pvt.) Ltd

2/B East Street, Phase-I, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

Date 2 Sep 24

#### Registrar

National Electric Power Regulatory Authority (**NEPRA**) NEPRA Tower, Ataturk Avenue (East) G-5/1 Islamabad REGISTRAR OFFICE iary No: 11521

Subject:

# DHA Energy Supply Company (Private) Limited – Application for a Supply License

I, Usman Rafique, Director, being the duly authorized representative of DHA Energy Supply Company (Private) Limited ("DESCO") by virtue of Board Resolution dated 2nd Sep 2024, hereby apply to the National Electric Power Regulatory Authority for the grant of a supply (supplier of last resort) license for category I to DESCO pursuant to section 23E of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997.

I hereby certify that the documents-in-support attached with this application are prepared and submitted in conformity with the provisions of the National Electric Power Regulatory Authority Licensing (Application, Modification, Extension and Cancellation) Procedure Regulations, 2021, and undertake to abide by the terms and provisions of the above-said regulations. I further undertake and confirm that the information provided in the attached documents-in-support is true and correct to the best of my knowledge and no material omission has been made.

A Pay Order in the sum of Rupees PKR. 816,637/- being the license application fee calculated in accordance with Schedule II to the National Electric Power Regulatory Authority Licensing (Application, Modification, Extension and Cancellation) Procedure Regulations, 2021, is also attached herewith.

Date: 2 Sep 24

Forwarded please:

Formac action	For information
DG (Lic.)	DG (Admn/HR)
DG (M&E)	DG (CAD)
DG (Tech.)	DG (ATC)
ADG (Trt.)	DIC (I.T)
SLA	DIC (I.T)
Cansult (CIBCM)	
M (MCC)	M (Trt. & Fin)

USMAN RAFIQUE DIRECTOR

DHA Energy Supply Company (Private) Limited



# DHA Energy Supply Company (Pvt.) Ltd

2/B East Street, Phase-!, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

Date 2 Sep 24

### Registrar

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Date: 2 Sep 24

USMAN RAFIQUE DIRECTOR

DHA Energy Supply Company (Private) Limited

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BAHRIA TOWN BRANCH, KARACHI. (037 BANKER'S CHEQUE

r PKR ******816,637.00****** Only)

or Order

IAL ELECTRIC POWER REGULATORY AUTHORITY

es Eight Hundred Sixteen Thousand Six Hundred Thirty-Seven

ONLY

Payable at any branch of Askari Bank Ltd. in Pakistan.

Please do not write below this line.



B.C. No.

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Ref No:

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PKR *** 816.637.00 ***

Authorized Signatory P.A. No.

Authorized Signatory P.A. No.

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**Customer's Copy** 

BAHRIA TOWN BRANCH, KARACHI. (0377)

We have issued a Banker's Cheque with following details:

BC Detail

Date:

BC No:

377182992924

Payee:

37702375

Amount (in figure NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

Amount (in words) PKR 816,637.00

Applicant:

Pak Rupees Eight Hundred Sixteen Thousand Six Hundred Thirty-Seven ONLY

PAKISTAN DEFENCE OFFICERS HOUSING AUTHORITY - (DHA CITY)

Payment Detail

BC Amount:

Charges:

Total Received:

PKR 816,637.00 PKR 517.50

Received from A/C:

PKR 817,154.50

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# BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

# PETITION FOR THE GRANT OF SUPPLY LICENSE

# ON BEHALF OF DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED (DESCO)

Dated: 02 October 2024

# Legal Consultants

## **RIAA Barker Gillette**

3rd Floor, 65-W, Executive Heights, Block H, Fazl-ul-Haq Road, Blue Area, Islamabad Tel: (051) 111-LAWYER Fax: (051) 2852427-30 www.riaabarkergillette.com

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RIAA Barker Gillette

# SUPPLY LICENCE PETITION DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

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**APPLICATION** 



# DHA Energy Supply Company (Pvt.) Lid

2/B East Street, Phase-I, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

# EXTRACTS FROM RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

Dated 2nd Sep 2024

**RESOLVED** that DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED (the "Company") shall apply for a supply license in respect of the Company's upto 10 MW distribution project in DHA City Karachi, KM-50, Motorway M-9, in the province of Sindh (the "Project"), and in relation thereto, sign all requisite documentation, pay all applicable fees, and undertake all other necessary and ancillary acts and deeds.

**RESOLVED FURTHER** that an application for a supply license be made to NEPRA with regards to the Project (the "License Application").

RESOLVED FURTHER that Mr. Usman Rafique bearing CNIC No. 42501-8808302-7, Director of the Company, be and is hereby authorized to sign the License Application and any documentation ancillary thereto, represent before and provide any information required by the National Electric Power Regulatory Authority in relation to the License Application, do all lawful acts and deeds necessary and ancillary for the processing, completion and finalization of the License Application, and authorize legal advisors to represent the Company before the National Electric Power Regulatory Authority in respect of the License Application.

CERTIFIED TO BE TRUE COPY

and udden

**HASEEB HAFEEZUDDEEN** 

DIRECTOR

DHA Energy Supply Company (Private) Limited

CERTIFICATION

**CERTIFIED**, that, the above resolution was duly passed by the Board of Directors of DHA Energy Supply Company (Private) Limited in their meeting held on 2nd Sep 2024, for which the quorum of directors was present.

FURTHER CERTIFIED, that the said resolution has not been rescinded and is in operation and that this is a true copy thereof.

HASEEB HAFEEZUDDEEN

Bankudden

DIRECTOR

DHA Energy-Supply Company (Private) Limited

# VAKALATNAMA

I, USMAN RAFIQUE S/o Mr. GHULAM RAFIQUE AHMED, bearing CNIC No. 42501-8808302-7, the Director, hereby appoint and constitute MR. NADIR ALTAF, Mr. MUHAMMAD FAHIM KHAN, MS. NOOR TARIQ AND MS. SOHA ABID of M/S RIAA Barker Gillette to appear and act for DHA Energy Supply Company (Private) Limited as our legal advisors in connection with preparation, filing and follow up of the application before the National Electric Power Regulatory Authority for a supply license in respect of 10 MW distribution project in DHA City Karachi, KM-50, Motorway M-9, in the province of Sindh and represent us in connection therewith.

The above-mentioned legal advisors, or any of them, are also authorized to do all acts and things necessary for the processing, completion, acceptance, and finalization of the application for supply license with the National Electric Power Regulatory Authority.

Dated: 9th Sep 2024

Brig Usman Rafique (Retd) For and on behalf of

DHA Energy Supply Company (Private) Limited

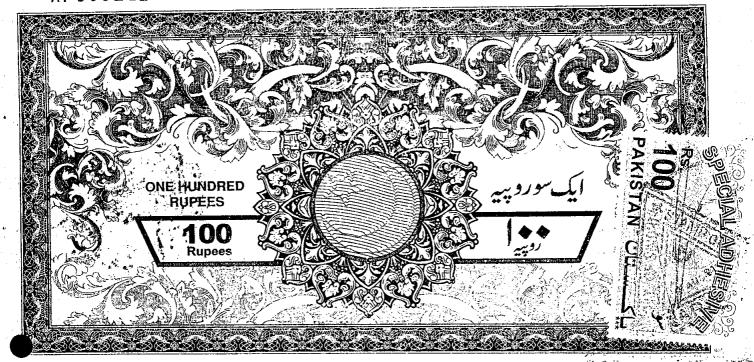
ACCEPTED

RIAA Barker Gillette

Third Floor 65-W Executive Heights, Fazal e Haq Rd, G 7/2 Blue Area,

Islamabad

**UAN: 111-LAWYER** 



Muhammad Rafay Stamp Vendor
LIC No.47, Shop Ho, Z-M, F-South
Malir, Jinneh Square, Korachi
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# BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

## **AFFIDAVIT**

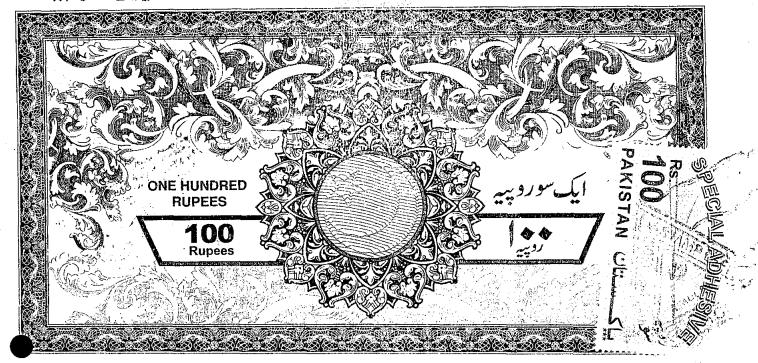
I, Usman Rafique S/O , Ghulam Rafique Ahmed bearing CNIC No. 42501-8808302-7, Director, being duly authorized by DHA Energy Supply Company (Private) Limited, hereby solemnly affirm and declare on oath that the contents of the accompanying application of DHA Energy Supply Company (Private) Limited for a supply license, including all attached documents-in-support, are true and correct to the best of my knowledge and belief and that nothing has been concealed.

(DEPONENT)

Usman Rafique

Director

Dated 11 Sep 24



Muhammad Rafay Stamp Vendor LIC No.47, Shop No. Z-II, 7-South

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BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

## **AFFIDAVIT**

I, Usman Rafique S/O, Ghulam Rafique Ahmed bearing CNIC No. 42501-8808302-7, Director, being duly authorized by DHA Energy Supply Company (Private) Limited, hereby solemnly affirm and declare on oath that DESCO applied for a distribution license vide application dated 16.06.2017. The Sindh High Court however issued a stay order against the processing of this application in Suit No. 2259/2017. This application by DESCO has remained pending with NEPRA till date, however, due to the promulgation of the NEPRA Amendment Act, 2018 it may be considered infructuous. DESCO has not been granted any other license, till date, under the NEPRA Act, 1997. DHA Energy Supply Company (Private) Limited has also not been refused the grant of any license under the NEPRA Act, 1997.

(DEPONENT)

Usman Rafique

Director

Dated: 11 Sep 24

# COMPANY INFORMATION

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PETITION:

For the grant of Supply License on behalf of DHA Energy Supply Company (Private) Limited ("DESCO" or "Petitioner")

## LEGAL REGIME

Under the Regulation of Generation, Transmission and Distribution of Electric Power Act (Act No. XL. of) 1997 (the "NEPRA Act"), the Authority is mandated to, *inter alia*, grant licenses for generation, transmission, distribution and supply of electric power and perform such functions which are consequential or incidental thereto.

The Petitioner has filed this petition for the grant of a supply license (the "SL Petition") before the National Electric Power Regulatory Authority (the "NEPRA" or the "Authority") pursuant to Section 23E of the NEPRA Act, the NEPRA Licensing (Electric Power Supplier) Regulations 2022 (the "Supply Regulations") and other enabling provisions of NEPRA Rules, Regulations, Codes and Applicable Documents.

Specifically, the Petitioner's supply network will be located at the North-East of Karachi and is accessed by Karachi Hyderabad Super-Highway M-9 ("DHAC") for the sole and exclusive supply of power to the real estate project located at DHAC.

The intended area falls within the service territory of the Karachi Electric Limited ("KEL") pursuant to its supply license No. SOLR/09/2024 dated 19.01.2024. Having stated the foregoing, the DHAC is not connected to KEL's distribution and supply network.

In light thereof, the Authority is empowered under the NEPRA Act to allow the Petitioner to supply power in the DHAC.

#### THE PETITIONER - DESCO

The Petitioner is a 'special purpose vehicle' of the DHA Karachi (referred to as the "Sponsor"), incorporated and existing under the laws of Pakistan. Copies of the Certificate of Incorporation, the Memorandum of Association and Articles of Association of the Petitioner are appended as Annexes A-1 and A-2.

The Petitioner has an authorised capital of PKR 100,000,000 PKR 100,000,000 and paid-up capital of 10,000,000 divided into 1,000,000 ordinary shares of PKR 10 each.

The Petitioner has been incorporated by its Sponsor to *inter alia* undertake the development of distribution and supply network at DHAC. To make the DHAC functional for the residential and commercial entities set-up therein and to provide seamless electric power connectivity, the Petitioner now seeks to develop its own distribution and supply network for the DHAC and is currently in the process of laying the required distribution infrastructure.

The Petitioner intends to procure power for distribution to the DHAC from Lucky Cement and other generators located in the vicinity. Lucky Cement commitment to sell power to DESCO for this purpose is evidenced in the letter dated 10.09.2024, appended as **Annex B**.

The objectives of the Petitioner will include *inter alia* engaging in the activities relating to the business of construction, ownership, management, control, operation and maintenance of the electricity distribution lines, electrical distribution facilities, electrical circuits, transformers and sub-stations as well as the movement and delivery of electric power on distribution lines,

undertaking distribution activities and distribution business, interconnection services and facilities and the matters connected therewith and incidental thereto.

As the supply of electric power in Pakistan is a regulated activity, the Petitioner requires permission from the Authority in the form of a Supply Licence. Separately, the Petitioner has also applied for a Distribution License to undertake distribution of electric power in DHAC.

## THE SPONSOR - DHA KARACH!

DHA Karachi is a statutory body with over decades of experience in the real estate market in Pakistan. DHA Karachi has been primarily involved in the construction and development of key real estate projects in Pakistan.

The composition of the Petitioner's shareholding is as follows:

DHA Karachi (through its subsidiary company DHA Energy Services (Private) Limited] owns 999999 of the paid-up shares.

### **DHA CITY**

The DHA City is a real estate project located in North-East Karachi which aims to provide a premium residential facility to cater to that region. DHA City is built on national and international standards with all public facilities required for a modern city.

DHA City Karachi spreads over an area of 22,446 acres with categorized DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC Shuhda Land (902 acres). It has an uneven, rocky terrain in the Northeast (NE) and Southeast (SE) region whereas Southwest (SW) and Northwest (NW) are mostly plain and even regions.

# PURPOSE OF THE SUPPLY LICENCE

The DHA City is being developed as a real estate project with an in-house power distribution and supply network.

As DHAC is a large-scale real estate project, the reliable distribution and delivery of electric power is critical for the success of the project. DHA Karachi has the financial and technical prowess to set-up a strong distribution network which will meet the needs of the residents in the DHAC.

Needless to say, the provision of a reliable electricity distribution and supply is key to ensuring the viability of the DHAC as a project. Moreover, DHAC eventual self-sufficiency may serve to set a precedent for other housing projects, which in turn will serve to reduce the load on the overburdened distribution companies.

In light of the foregoing, the Petitioner requests the learned Authority to favourably consider this SL Petition for the grant of a Supply Licence, which will enable the Petitioner to reliably distribute and supply electric power to the zone enterprises of DHAC. The grant of a supply license to the Petitioner will pave the way towards energy sustainability and electrical reliability for other similar projects in the country.

The Petitioner has constituted a team of experts and consultants to undertake the proposed distribution activities. The profiles of the Petitioner's management staff are appended with this SL Petition as **Annex C-6** as per the requirement of the NEPRA.

### **DETAILS AND SALIENT FEATURES OF THE SUPPLY LICENCE**

The proposed distribution and supply infrastructure and the line route to be constructed by the Petitioner are fully explained in **Annexe F-1 to F-13** including the Load Flow Study, etc.

### FINANCIAL STRENGTH

The Petitioner' primary sponsor, DHA Karachi, has demonstrably strong financial capabilities to fund the development of proposed distribution network. Evidence of the financial strength of the both the Petitioner and DHA Karachi is appended as **Annex C-1** to **C-5**.

# SYSTEM STUDIES & SPECIFICATION OF EQUIPMENT

The Petitioner has reviewed the relevant technical details of the distribution infrastructure to be established with necessary specifications including the control and protection system.

The distribution infrastructure established by the Petitioner will be compliant with the requirements of the applicable environmental laws and policy and the infrastructure and routing alternatives of the Petitioner will be based on such environmental considerations including construction activities, right-of-way clearing and impacts of construction and operation of towers, access roads, substations and related facilities.

#### **BILLING AND COLLECTION**

The details relating to metering, billing and collection are appended with this SL Petition as **Annex F-9**.

# **O&M, TRAINING & DEVELOPMENT**

The Petitioner shall implement the operation & maintenance, training and development programmes that meet the Authority's approved specifications. These programmes shall be developed before the commencements of operations of the Petitioner. The Petitioner plans to employ, *inter alia*, experienced and trained personnel to carry out the operation and maintenance of the distribution system.

# Additional Information

The Petitioner shall provide NEPRA such further or additional information, clarification or explanation as it may require from time to time.

It is respectfully submitted that the Petitioner also requests the Authority to allow it to supplement and submit such information and supporting material that it may deem appropriate.

# 8 PRAYER

- 8.1 In light of the forgoing, the Petitioner respectfully prays that the learned Authority kindly:
- 8.1.a accept the instant SL Petition and grant the Supply Licence to the Petitioner for the purpose of undertaking supply activities;
- 8.1.b allow such other reliefs which is just, fair, proper, better and necessary in these circumstances.

Dated: 02.10.2024

## **PETITIONER**

DHA Energy Supply Company (Private) Limited.

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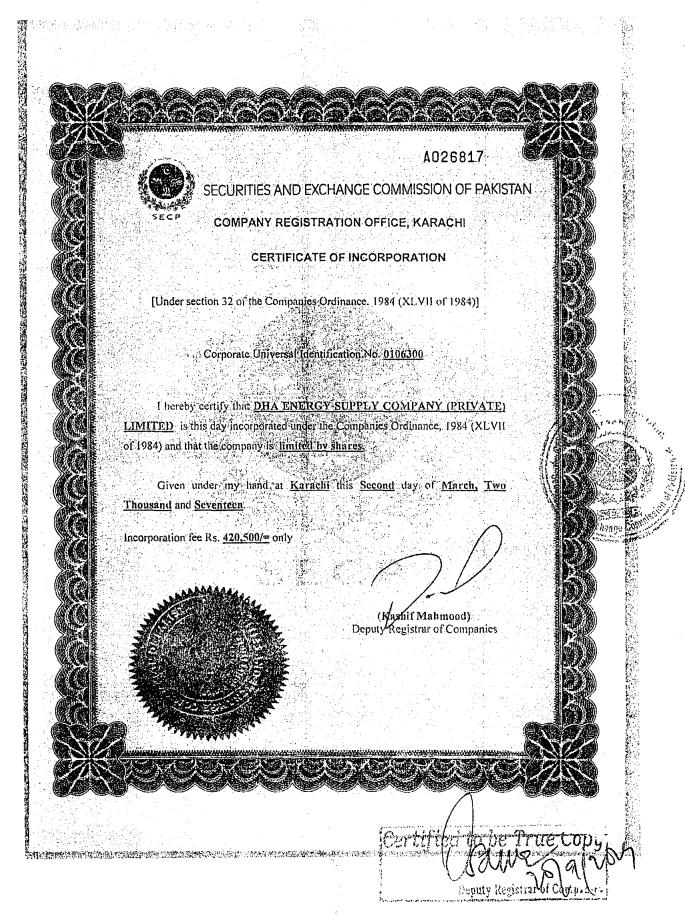
## **RIAA Barker Gillette**

3rd Floor, 65-W, Executive Heights, Block H, Fazl-ul-Haq Road, Blue Area, Islamabad Tel: (051) 111-LAWYER Fax: (051) 2852427-30 www.riaabarkergillette.com

# ANNEX - A-1

# **CERTIFICATE OF INCORPORATION**

DESCO's Certificate of Incorporation is appended herein below.



# ANNEX - A-2

# **MEMORANDUM AND ARTICLES OF ASSOCIATION**

DESCO's Memorandum and Articles of Association are appended herein below.

# THE COMPANIES ORDINANCE, 1984

# (COMPANY LIMITED BY SHARES)

## MEMORANDUM OF ASSOCIATION

OF

# DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

- I. The name of the company is 'DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED' (the "Company").
- II. The Registered Office of the Company will be situated in the Province of Sindh.
- III. The objects for which the Company is established are all or any of the following:
- 1. To carry on all or any of the businesses of generation, transmission, distribution, purchase and sale of electricity and to deal in all goods derived from or relating to such business including but without limitation to, steam, fuel, lignite, coal, ash, conversion of ash into bricks and any other products derived from or connected with any other form of energy, including, but without limitation to conventional sources such as heat, thermal, hydel and/or from nonconventional sources such as tidal wave, wind, solar, geothermal, biological, biogas and coal bed methane.
- 2. To locate, finance, set-up, develop, own, acquire, establish, construct, design, equip, operate, use, manage, invest in and maintain power generation facilities / power plants (including power generation facilities / power plants utilizing wind, hydel, solar, thermal, tidal, coal, gas, diesel oil, and/or any other means of energy or fuel), jetties, power grid station, transforming, switching, conversion, and transmission facilities, distribution facilities, cables, overhead lines, sub-stations, switching stations, tunnels, cable bridges, link boxes, heat pumps, plant and equipment for combined heat and power schemes, offices, computer centers, shops, depots, factories, workshops, plants, warehouses and other storage facilities, together with all machinery, equipment, cables, wires, lines, accumulators, and works ancillary to the aforesaid anywhere in or outside Pakistan and to do all such acts, deeds and things, without limitation whatsoever, as may be necessary or desirable in that connection.
- 3. To buy, sell, hold, acquire or invest the capital and funds of the Company in securities and investments of every kind and description including but not limited to shares, stocks, fixed income securities, modaraba certificate, musharaka certificates, participation term certificates, term finance certificates, mutual fund certificates, units, certificates of investments, commercial papers, debentures, debenture stocks, bonds, obligations or securities issued or guaranteed in Pakistan or abroad by any company

incorporated or registered in Pakistan by the Government or public body or Authority both for short term or long term gains and to realize such gains.

- 4. To acquire or undertake the whole or any part of the business, goodwill, and assets of any person, firm, or company and as part of the consideration for such acquisition to undertake all or any of the liabilities of such person, firm or company, or to acquire an interest in, amalgamate with, or enter into partnership or into any arrangement for sharing profits, or for co-operation, or for mutual assistance with any such person, firm or company, or for subsiding or otherwise assisting any such person, firm or company, and to give or accept, by way of consideration for any of the acts or things aforesaid or property acquired, any shares, debentures, debenture stock or securities that may be agreed upon.
- 5. To carry out all types of services relating to development and operation of business of generation, purchase, sale, transmission and distribution of energy and to perform all other acts which are necessary or incidental to the business of electricity generation, supply, transmission, distribution and trading of energy.
- 6. To develop business plans, feasibility studies, carry out surveys, and do such other activities that are incidental and ancillary to the foregoing, pertaining to the business of power generation, transmission and distribution or such other business as considered appropriate by the directors of the Company from time to time.
- 7. To carry on all or any of the businesses of wholesalers, retailers, traders, importers, exporters, suppliers, distributors, designers, developers, manufacturer, installer, filters, testers, repairers, trainers, maintainers, contractors, constructors, operators, users, inspectors, re-conditioners, improvers, alterers, protectors, removers, hirers, replacers, importers and exporters of and dealers in, electrical appliances, systems, products and services used for energy conservation and generation, equipment, machinery, materials and installations, including but not limited to cables, wires, meters, tracks, rails, pipelines and any other plan, apparatus, equipment, systems and things incidental to the efficient generation, procurement, transformation, supply and distribution of electricity.
- 8. To construct, acquire and maintain roads, bridges, rail sidings, pipelines and storage facilities for water, petroleum products, natural gas, oil, coal and other substances, water desalination and treatment plants, and such other works as may be required for all or any of the above purposes.
- 9. To carry on the business of electrical engineers, electricians, engineers, consultants, agents, suppliers of services and manufacturers of electrical plant, machinery, and generally to install, acquire, execute, provide, operate and maintain all necessary plant, machinery, equipment, cables, wires, accumulators, lamps, exchanges, telephones, and apparatus and to provide any services related or incidental to the business of electricity generation, supply, transmission, distribution and trading of energy.

- 10. To import, export, buy, sell, hire or deal in plant, machinery, equipment, cables, wires, accumulators, lamps, exchanges, telephones, fixtures and fittings and apparatus of every kind with special reference to plant, machinery, equipment or apparatus connected with the producing, storing, supplying, distribution, transmission, using, regulating or measuring the supply or facilitating the use of electricity or electrical currents or force.
- 11. To buy, sell, import, export, hire, manufacture, deal in and turn to account plant, machinery, implements, conveniences, provisions, articles and products capable of being used in connection with the operations of or required by workmen and other employer by the Company or incidentally or conveniently connected with any such business as aforesaid.
- 12. To conduct, promote and commission research of all kinds and research and development activities of all kinds, whether related to the generation, transmission, distribution and supply of electricity or other forms of energy or otherwise, and to exploit and turn to account the results of any such research or research and development carried out by or for the Company.
- 13. To establish laboratories and to employ and promote scientific research and invention, patronize such invention and enter into manufacture in collaboration with outside parties for transfer of technology from abroad and to promote transfer of technology from Pakistan abroad and to carryon business in all other allied fields permissible by law.
- 14. To enter into, make, and perform contracts and arrangements of every kind and description that may be conducive to the Company's object or objects and for any lawful purpose, with the government or authority (public, supreme, municipal or otherwise), and with any firm, person, corporation or company without any limit as to amount, and to obtain from such government, authority, firm, company or persons any rights, privileges, contracts, concessions, charters, subsidies, loans, indemnities, grants, contracts, rights, powers, concessions, privileges or immunities which the Company may think desirable to obtain and to carry out, exercise and comply with any such arrangements, rights, privileges and concessions.
- 15. To sell, lease, improve, manage, develop, mortgage, exchange, turn to account or otherwise deal with, dispose of absolutely, conditionally, or for any limited interest, and grant any leave or license in respect of all or any of the property, rights or privileges of the Company, to improve, manage, develop, grant rights or privileges in respect of, or otherwise deal with all or any part of the property and rights of the Company, and to distribute in specie as dividend or bonus any money, shares, debentures, or debenture stock that may be accepted as consideration for any such sale, lease, exchange or other disposition.

- 16. To pay for technical know-how, technical and engineering assistance and information and/or service rights or privileges acquired by the Company in a manner the Company deems appropriate, either by cash or through its shares.
- 17. To train personnel and workers both in Pakistan and abroad, to obtain technical proficiency in various specialties connected with the business of the Company.
- 18. To establish and support or aid in the establishment and support of associations, institutions, funds and conveniences calculated to benefit persons who are or have been directors of, or who have been employed by or who are serving or have served the Company or any other company which is a subsidiary or associate of the Company or the dependents of such persons and to grant pensions, gratuities, allowances, relief and payments in any other manner calculated to benefit the persons described herein.
- 19. To amalgamate, enter into partnership, or to make any arrangement for sharing profits, union of interests, co-operation, joint-venture, reciprocal concession or otherwise with any person, firm or company and to have foreign collaborations and to pay royalties/technical fees to collaborators subject to the applicable laws.
- 20. To purchase or otherwise acquire any patents, inventions, trademarks, licenses, concessions and the like conferring any exclusive or non-exclusive or limited right to use any invention which may seem capable of being used for any of the purposes of the Company or the acquisition of which may seem calculated directly or indirectly to benefit the Company, and to use, exercise, develop or grant licenses in respect of or otherwise turn to account, the property and rights so acquired.
- 21. To carry on any other trade or business whatever which, in the opinion of the directors of the Company, can be advantageously carried on independently or in connection with or ancillary to any of the above mentioned business or is calculated directly or indirectly to enhance the value of, or render profitable any of, the property or rights of the Company.
- 22. To purchase, take on lease, or in exchange, hire, apply for or otherwise acquire either solely or jointly and hold for any interest, any rights, privileges, lands, buildings, easements, machinery, plants, stock-in-trade and any movable and immovable property of any kind, necessary or convenient for the purposes of or in connection with the Company's business or any branch or department thereof and to use, exercise, develop, and grant licences in respect of or otherwise turn to account any property, rights and information so acquired, subject to any permission required under the law.
- 23. To establish, promote or assist in establishing or promoting, and subscribe to or become a member of any other company, association or club whose objects are similar or in part similar to the objects of this Company or the establishment or promotion of which may be beneficial to the Company as permissible under law.

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- 25. To borrow or raise money by means of local and foreign currency loans, Islamic financing or other legal arrangements from local and foreign banks, or other financial and non-financial institutions, for such purpose or in such manner as the Company may think fit and in particular by issue of debentures, sukuks, or term finance certificates and to provide any type of security to the lenders or investors including by way of hypothecation, charge, lien, pledge, mortgage or assignment.
- 26. To sell or otherwise dispose of the whole or any part of the undertaking of the Company, either together or in portions for such consideration as the Company may think fit and in particular, for shares, debenture-stock or securities of any company purchasing the same.
- 27. To issue all or any part of the original or enhanced share capital of the Company at par or at a premium or discount subject to any permission required by law.
- 28. To pay all costs, charges, and expenses preliminary or incidental, incurred in the formation or about the promotion and establishment of the Company and to remunerate any person, firm or company for services rendered or to be rendered in or about the formation or promotion of the Company or the conduct of its business.
- 29. To apply for and obtain necessary consents, permissions and licenses from any Government, State, Local and other Authorities for enabling the Company to carry on any of its objects into effect as and when required by law.
- 30. To pay for any property, rights or benefits acquired by the Company either in cash or in shares with such rights, in respect of dividend or otherwise, as may be deemed fit by the Company or by any securities which the Company has power to issue or partly in one mode and partly in another and generally on such terms as the Company may approve.
- 31. To distribute any of the Company's property and assets among the members in specie or in any other manner in case of winding up of the Company.
- 32. To guarantee the performance of contracts and obligations of the Company or any other person.
- 33. To take out any insurances that the Company deems necessary or appropriate and to pay the premium thereof.
- 34. To constitute and regulate subsidiaries, separate branches or departments of the Company's business and to appropriate thereto respectively any of the assets of the

Company and any of the capital, issued or to be issued, of the Company and from time to time to vary the constitution or regulations of any such subsidiaries, branches or departments or any such appropriations and if thought fit to amalgamate all or any of the said subsidiaries, branches or departments.

- To procure the Company to be registered or recognized in any country or place outside Pakistan and to keep branch registers.
- 36. To institute and defend in any forum legal proceedings of every kind or description whatsoever, enter into arbitration agreements and refer disputes to arbitration, pay, satisfy or receive payments in respect thereof, or compound or compromise any claim, demand, action, suit or proceeding of any nature whatsoever made or brought by or against the Company.
- 37. To subscribe or guarantee money for any purpose which may be considered likely, directly or indirectly, to further the objects of the Company or for any national, charitable, benevolent, public, general or useful object or for any exhibition.
- 38. To draw, make, accept, discount, endorse and issue promissory notes, bills of exchange, bills of lading and other negotiable or transferrable securities and only in connection with the business of the Company, to advance, deposit with or lend money, securities or property to such governmental or other authority, person, firm or company and on such terms, with or without security, as the Company deems fit.
- 39. To do and perform all other acts as are incidental or conducive to the attainment of the above objects or any of them.
- 40. It is declared that notwithstanding anything contained in the foregoing object clauses of this Memorandum of Association, nothing contained therein shall be construed as empowering the Company to undertake or to indulge in the business of a banking company, forex, illegal brokerage, an investment company, a managing agency, an insurance business or a non-banking finance company, or in any unlawful business directly or indirectly, and the Company shall not launch multilevel marketing, pyramid and ponzi schemes.
- 41. Notwithstanding anything stated in any object clause, the Company shall obtain such other approval or licence from the competent authority as may be required under any law for the time being in force, to undertake a particular business.
- IV. The liability of the members is limited.
- V. The authorized share capital of the Company is Rs. 100,000,000 (Rupees One Hundred Million Only) divided into 10,000,000 (Ten Million) Ordinary shares of the nominal value of Rs. 10 (Ten) each with the rights, privileges and conditions attached thereto as are provided for the time being, with power to increase and reduce the capital of the Company and to divide the shares in the capital for the time being, into several classes.

"Register" means a Register of Members to be kept pursuant to Section 147 of the Ordinance.

"Registrar" means a Registrar, an Additional Registrar, a Joint Registrar a Deputy Registrar or an Assistant Registrar, responsible under the Ordinance for the registration of companies.

"SECP" means Securities and Exchange Commission of Pakistan.

"Special Resolution" means a special resolution of the Company as defined in Section 2(1)(36) of the Ordinance.

"Seal" means the common seal of the Company.

References to writing shall, unless the contrary intention appears, be construed as including reference to printing, lithography, photography & other modes of representing, transmitting or reproducing words in a legible & non-transitory form.

Words importing singular number only shall include the plural number and vice versa.

Save as aforesaid any words or expressions defined in the Ordinance shall if not inconsistent with the subject or context, bear the same meaning as in these Articles.

Any reference to statutory provision or enactment shall include any statutory modification or re-enactment thereof.

### 3. PRIVATE LIMITED COMPANY

The Company is a private limited company within the meaning of Clause (28) of Section 2(1) of the Ordinance.

- (1) No invitation shall be issued to the public to subscribe for any share of the Company.
- (2) The number of the members of the Company shall be limited to fifty, provided that for the purpose of this provision, where two or more persons hold one or more shares in the company jointly, they shall be treated as single member; and
- (3) The right to transfer shares of the Company is restricted in the manner and to the extent hereinafter appearing.

# THE COMPANIES ORDINANCE, 1984

(COMPANY LIMITED BY SHARES)

# ARTICLES OF ASSOCIATION

# **OF**

# DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

## 1. TABLE "A" NOT TO APPLY

The Regulations contained in the table marked 'A' of the First Schedule to the Companies Ordinance, 1984, shall not apply to the Company except in so far as the same are repeated or expressly made applicable in these Articles.

# 2. Interpretation

In these Articles (if not inconsistent with the subject or context or expressly provided to the contrary below) the following words and expressions shall have the following meanings:

- "Board" means the Directors collectively or the Directors present at a duly convened meeting of Directors at which a quorum is present, as the context requires.
- "Company" means DHA Energy Supply Company (Private) Limited.
- "Directors" mean the directors or the alternate director for the time being of the Company, as the case maybe.
- "month and year" means the calendar month and the calendar year respectively.
- "Member" means the member of the Company as defined in Section 2(1) (21) of the Ordinance.
- "Ordinance" means the Companies Ordinance, 1984 (XLVII of 1984).
- "Ordinary Resolution" means a resolution passed at a general meeting when the votes cast (whether on a show of hands or on a poll, as the case may be) in favour of the resolution (including the casting vote, if any, of the Chairman) by members who, being entitled to vote in person or by proxy, do so vote, exceed the votes, if any, cast against the resolution by members entitled to vote and voting thereon.

MUHAM MAD RAFIQUE	MUHAMM AD YASIN KHAN	34101- 6241501- 5	PAKISTA NI	BUSINESS EXECUTIV E	HOUSE NO. SUH-443, STREET 5, ASKARI 5, MALIR CANTT, KARACHI		H.
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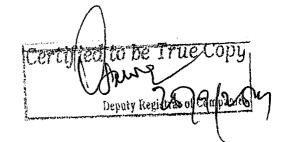
Dated 24 February 2017

Witness to the above signatures:

Name: NIFT (Pvt.) Limited

Address: 5th Floor, AWT Plaza, I.I. Chundrigar Road

Karachi- 74200, Pakistan





We the several persons, whose names and addresses are subscribed, are desirous of being formed into a company, in pursuance of this Memorandum of Association and we respectively agree to take the number of shares in the capital of the Company set opposite to our names

Name and Surname (Present & Former) in full (in Block Letters)	Father's/Hu sband's Name in Full	CNIC/ Passport No.	Nationalit y with any former Nationalit y	Occupation	Address	Number of Shares taken by each Subscribe r	Signature
NAEEM AZHAR LONE	MUHAMM AD AZHAR LONE	35201- 9117920- 1	PAKISTA NI	BUSINESS EXECUTIV E	53/1-S, 7 TH COMMERCIA L STREET, PHASE 4, DHA, KARACHI	ONE (1)	
MUHAM MAD RAFIQUE	MUHAMM AD YASIN KHAN	34101- 6241501- 5	PAKISTA NI	BUSINESS EXECUTIV E	HOUSE NO. SUH-443, STREET 5, ASKARI 5, MALIR CANTT, KARACHI	ONE (1)	
SYED JAMAL ULLAH MACDI	SYED SANA ULLAH MACDI	42101- 1936245- 5	PAKISTA NI	BUSINESS EXECUTIV E	PLOT 6/B-3, D STREET, PHASE 5, DHA, KARACHI	ONE (1)	
DHA ENERGY AND SERVICE S (PRIVATE ) LIMITED  Through its authorized representat ive	N/A	N/A	PAKISTA NI	N/A	2/B, EAST STREET, PHASE-I, DHA, KARACHI, SINDH 75500	NINE HUNDR ED AND NINETY -NINE THOUS AND NINE HUNDR ED AND NINETY -SEVEN (999,997)	- Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comm

### 4. BUSINESS

The company is entitled to commence business from the date of its incorporation. The business of the company shall include all or any of the objects enumerated in the Memorandum of Association. The business of the company shall be carried out at such place or places anywhere in Pakistan or elsewhere as the Directors may deem proper or advisable from time to time.

### PART II - CAPITAL AND SHARES

## 5. AUTHORISED SHARE CAPITAL

The authorized capital of the Company is Rs. 100,000,000 (Rupees One Hundred Million) divided into 10,000,000 (Ten Million) Ordinary shares of the nominal value of Rs. Ten (10), each set out in that Clause with power to increase the capital and to consolidate or sub-divide the shares, issue shares of different kinds or classes therein of higher or lower denominations and to vary, modify or abrogate any such rights or conditions in such a manner as may be authorized by the regulations of the Company and subject to applicable laws.

### 6. ALLOTMENT OF SHARES

- 6.1 The shares shall be under the control of the Board, who may subject to applicable law allot or dispose of the same to such persons, firms, cooperation on such terms and conditions and at any such times as the Board shall think fit. Shares may also be allotted in consideration other than cash.
- 6.2 Shares may be registered in the name of any limited company or other corporate body but not in the name of minor or a firm. Not more than four persons shall be registered as joint holders of any shares.
- 6.3 Subject to the provisions of the Ordinance, the Companies (Issue of Capital) Rules 1996 and these Articles, the Directors may allot and issue shares in the capital of the Company as payment or part payment of any property sold or transferred, land, machinery, goods supplied or any services rendered to the Company in the conduct of its business and any shares which may be so allotted may be issued as fully paid up shares and if so issued, shall be deemed to be fully paid up shares.
- 6.4 The share capital of the Company shall comprise of ordinary shares, and subject as aforesaid the Company may issue shares of a single class or of different classes, but where ordinary shares of more than one class are issued the rights as between the various classes of such shares shall be strictly proportionate to the paid up value of the shares as regards voting, dividends and other benefits.

## 7. RESTRICTION ON ALLOTMENT

The Board shall as regard any allotments of shares duly comply with such of the provisions of Sections 68 to Section 73 of the Ordinance as may be applicable thereto.

## 8. COMMISSION AND BROKERAGE

Subject to Section 82 and 83 of the Ordinance, the Company may at any time pay a commission to any person for subscribing or agreeing to subscribe whether absolutely or conditionally for any shares in, or debentures or other securities of the Company or procuring or agreeing to procure subscriptions whether absolute or conditional for any shares or debentures or other securities of the Company, provided that the conditions and requirements set out in the Ordinance shall be observed and complied with. Such commission may be satisfied by the payment of cash or the allotment of fully paid shares, or the issuance of securities or by any combination thereof. The rate of commission and brokerage shall not exceed the rate, if any, from time to time fixed by the SECP.

### 9. SHARES AT DISCOUNT

The Company may under a Special Resolution and with the consent of SECP and upon otherwise, complying with Section 84 of the Ordinance, the Board may issue shares at a discount.

### 10. TRUST NOT RECOGNIZED

No notice of any Trust expressed, implied or constructive shall be entered on the Register. The Company shall not, save as ordered by a court of competent jurisdiction, or as by statute required, be bound to recognize any benami, equitable, contingent, future, or partial interest in any share, or any other right in respect of a share, except an absolute right thereto in the person or persons from time to time registered as the holder or holders thereof.

#### 11. REGISTER

- 11.1 The Company shall keep a Register in accordance with Sections 147, 149 and 156 of the Ordinance.
- 11.2 The Register shall be prima facie evidence of any matters the Ordinance directs or authorizes to be inserted therein.

## PART III - CERTIFICATES

### 12. CERTIFICATES



The certificates of title of shares shall be issued under the Seal and signed by at least two Directors. Every share certificate shall specify the number and class and the distinguishing number (if any) of the shares to which it relates. A Director's signature on such certificates may be affixed or printed by any mechanical or electronic method. No share certificate shall represent shares of more than one class.

#### 13. MEMBERS RIGHTS TO CERTIFICATES

Every person whose name is entered as a Member in the Register of Members shall, unless the conditions of issue of the shares otherwise provide, be entered without payment to receive within sixty (60) days after the allotment or within forty five (45) days of the application for the registration of the transfer of any shares of the Company, a certificate under the Seal specifying the shares held by him/her and the amount paid up thereon. If any Member shall require additional certificates he/she shall pay for each such certificate, a sum not exceeding Rs.10/- or otherwise as the Board may determine, provided that in respect of any share held jointly by several persons the Company shall not be bound to issue more than one certificate, and delivery of the certificate for a shares to one of the several joint holders shall be sufficient delivery to all.

### 14. ISSUE OF NEW CERTIFICATES

- 14.1 Subject to the provisions of Section 75 of the Ordinance, if a share certificate is defaced, lost or destroyed, it may be renewed on payment of such fee (if any) not exceeding Rs.10/and on such terms (if any) as to evidence and indemnity and the payment of expenses incurred by the Company in investigating evidence, as the Board thinks fit.
- 14.2 Where some of the share comprised in a share certificate are transferred the old certificate shall be cancelled and a new certificate for the balance of such shares be issued without charge.
- 14.3 The shares are indivisible but more than one person may have a share in one share but shall be represented by one person towards the Company. The shares may not be represented by negotiable instruments.

# PART IV - TRANSFER AND TRANSMISSION OF SHARES

## 15. TRANSFER OF SHARES

Every transfer of shares must be in writing in the form specified in Article 16.2 herein or in any other form that the Board may approve and must be left at the office accompanied by the certificate or, if no such certificate is in existence the letter of allotment of the shares to be transferred and such other evidence, if any, as the Board may require to prove the title of the intending transferor of his/her right to transfer the shares.

15.2 The shareholders and Directors of the Company have a right of priority in the event of one of the shareholders alienating some or all of his/her shares. But any transfer whether to the shareholders or to the Directors of the Company or to third parties must follow the provisions of the applicable law.

# 16. EXECUTION OF TRANSFER

- 16.1 The instrument of transfer of any share should be duly stamped and executed both by the transferor and the transferee and the transferor shall be deemed to remain the holder of such shares until the name of the transferee is entered in the Register of Members in respect thereof. Each signature of such transfer shall be duly attested by the signature of one witness who shall add his/her address and occupation.
- 16.2 Shares in the Company shall be transferred in the following form, or in any usual or common form which the Directors shall approve:

I of	In consideration of the				
sum of Rupees	paid to me by				
of (hereinafter calle	ed "the transferee") do hereby transfer to the said				
transferee					
	hereof, and I, the said transferee, do hereby agree				
to take the said share(s) subject to the cor					
As witness our hand thisDay of					
. 15 villios our name uno illino de or illi	••••••				
Signature Transferor	Signature Transferee				
	5				
	Full Name				
	Full Address				
Witness	Fathers/Husband's name				
	Nationality				
	Occupation				
Signature	1				
Full Address					
Signature					
Full Address					

17. CASES IN WHICH THE DIRECTORS SHALL REFUSE TO REGISTER TRANSFER

The Directors may refuse to register any transfer of any fully paid shares if:

- (a) the transfer deed is for any reason defective or invalid, provided that the Company shall within thirty (30) days, from the date on which the instrument of transfer was lodged with it, notify the defect or invalidity to the transferee who shall after removal of such defect or invalidity be entitled to re-lodge the transfer deed with the Company; or
- (b) the transfer is in breach of the provisions of Article 16;

If the Company refuses to register the transfer of any share for the reason specified in Article 16, the Company shall within thirty (30) days after the date on which the instrument of transfer was lodged with it, send to the transferee notice of the refusal indicating the reason for such refusal.

# 18. NO TRANSFER TO AN INSOLVENT OR PERSON OF UNSOUND MIND

No transfer shall be made to an insolvent or person of unsound mind.

### 19. TRANSMISSION OF REGISTERED SHARES

The executors, administrators, heirs or nominees, appointed under Section 80 of the Ordinance as the case may be, of a deceased Member not being one of several joint holders shall be the only persons recognized by the Company having any title to the shares registered in the name of such Member. In case of death of any one or more of the joint holders of any shares the survivor or survivors shall be the only persons recognized by the Company as having any title to or interest in such share. Before recognizing any executor, or administrator the Board may request him/her to obtain a grant of Probate or Letters of Administration, Successions Certificates or other legal representation(s) as the case may be from a competent court provided nevertheless that where the Board in its absolute discretion thinks fit it shall be lawful for the Board to dispense with the production of Probate or Letters of Administrator or Succession Certificates or such other legal representation(s) upon such terms as to indemnity or otherwise as the Board in its absolute discretion may consider necessary.

## 20. RIGHT OF PERSONS ENTITLED TO SHARES UNDER ARTICLE 19

A person so becoming entitled under Article 19 shall subject to the right of the Board to retain such dividends or monies as hereinafter provided have the right to receive and give a discharge for any dividend or other monies payable or other advantages arising in respect of the shares but he/she shall have no right to attend or vote at meetings of the Company or save as aforesaid to any of the rights or privileges of a Member in respect of the shares unless and until he/she shall be registered as the holder thereof.

# 21. DIRECTOR MAY DECLINE TO REGISTER PERSONS ENTITLED BY TRANSMISSION

The Directors shall have the same right to refuse to register a person entitled by transmission to any shares or his/her nominee as if he/she were the transferee named in any ordinary transfer presented for registration.

## 22. CLOSURE OF REGISTER

The Company may on giving seven (7) days previous notice in the manner prescribed in the Ordinance, close the Register for any period not exceeding in the aggregate forty-five (45) days in each year but not exceeding thirty (30) days at any one time.

### 23. TRANSFER OF DEBENTURES

The provision relating to transfer of shares herein contained shall apply mutatis mutandis to transfer of debentures and other securities of the Company.

## PART V - ALTERATION OF CAPITAL

### 24. POWER TO INCREASE CAPITAL

The Company may, from time to time, increase its share capital in accordance with the provisions of the Ordinance.

# 25. SHARES TO BE OFFERED TO EXISTING MEMBERS

- 25.1 All new shares shall be offered in the first instance to the Members in proportion as nearly as the circumstances admit to the existing shares held by each Member and such offer shall be made by notice specifying the number to which the Member is entitled and limiting a time within which the offer if not accepted will be deemed to be declined.
- 25.2 After expiration of the time for acceptance of an offer of new shares specified in paragraph 25.1 of this Article or on receipt of an intimation from the Member to whom such notice is given that he/she declines to accept the shares offered, the Board may, subject to the provisions of Section 86 of the Ordinance, dispose of the same in such manner as they think most beneficial to the Company.

# 26. RANKING OF NEW SHARES WITH THE ORIGINAL CAPITAL

The new shares shall be subject to the same provisions with reference to transfer, transmission, and otherwise as the shares in the original share capital.

#### 27. REDUCTION OF SHARE CAPITAL

The Company may, by Special Resolution, reduce its share capital, in any manner subject to the provisions of the Ordinance.

#### 28. CONSOLIDATION AND SUB-DIVISION

Subject to the provisions of Section 92 of the Ordinance, the Company may, by Ordinary Resolution:

- (a) Consolidate and divide the whole or any part of its share capital into shares of larger nominal value than its existing shares.
- (b) Sub-divide its existing shares or any of them into shares of smaller amount than is fixed by the Company's Memorandum of Association, subject nevertheless, to the provisions of clause (d) of sub-Section (1) of Section 92.
- (c) Cancel any shares which at the date of the passing of the Ordinary Resolution in that behalf have not been taken or agreed to be taken by any person.

#### PART VI - GENERAL MEETINGS

#### 29. ANNUAL GENERAL MEETINGS

The Company shall hold in addition to any other general meeting, a general meeting as its annual general meeting, within eighteen months from the date of its incorporation and thereafter at least once in every calendar year within a period of four months following the close of its financial year and not more than fifteen months after the holding of its last preceding annual general meeting.

#### 30. EXTRAORDINARY GENERAL MEETING

All general meetings of the Company other than the annual general meeting shall be called extraordinary general meetings ("EGM"). The Board may whenever it thinks fit convene an EGM and an EGM shall also be convened on such requisition, or, in default may be convened by such requisitions, as provided by Section 159 of the Ordinance. An EGM may be held in such places as the Board may determine.

#### 32. NOTICE OF MEETINGS

All general meetings of the Company shall be called by not less than twenty-one clear days' notice in writing. The notice shall specify the place, the day and the hour of the meeting along with a statement of the business to be transacted at the general meeting and in case of special business, a the general nature of that business, shall be given in the manner provided by the Ordinance for the general meeting, to such persons as are, under the Ordinance or the regulations of the Company entitled to receive such notices from the Company; but the accidental omission to give notice to, or the non-receipt of notice by, any Member shall not invalidate the proceedings at any general meeting.

#### 33. PROXIES

In every notice calling a meeting of the Company there shall appear with reasonable prominence a statement that a Member entitled to attend and vote is entitled to appoint a proxy to attend the vote in his/her stead and that a proxy need not be a Member.

## 34. ENTITLEMENT TO RECEIVE NOTICE AND ARRANGEMENT FOR MEETINGS

Subject to any restrictions contained in the Ordinance or in any of the Articles every Member shall be entitled to attend a general meeting in person or by proxy.

#### 35. BUSINESS AT GENERAL MEETINGS

All business that is transacted at an EGM shall be deemed special, and also all that is transacted at an annual general meeting with the exception of declaring a dividend, the consideration of the accounts, balance sheet and the reports of the Directors and auditors, the election of Directors, the appointment of, and the fixing of the remuneration of the auditors.

#### 36. QUORUM

No business shall be transacted at any general meeting unless quorum of Members is present at the time when the meeting proceeds to business, save as herein otherwise provided. At least 2 Members having not less than twenty-five percent (25%) of the voting power present in person or through proxy shall be the quorum at any general meeting of the Company.

#### 37. EFFECT OF QUORUM NOT BEING PRESENT

If within half an hour from the time appointed for the meeting a quorum is not present, the meeting, if convened upon the requisition of Members, shall be dissolved, in any other case, it shall stand adjourned to the same day in the following week at the same time and place. The quorum for any such meeting shall remain as provided for in Article 36 above.

#### 38. CHAIRMAN OF GENERAL MEETING

The Chairman, if any, elected under Article 58 shall preside as Chairman at every general meeting of the Company, but if there is no such Chairman or if at any general meeting the Chairman is not present within fifteen minutes after the time appointed for holding the meeting, or is unwilling to act as Chairman, the Members present whether in person or by the proxy shall choose one of their number to be Chairman of the meeting.

#### 39. POWER TO ADJOURN GENERAL MEETING

- 39.1 The Chairman of a general meeting may at any time with the consent of the general meeting at which a quorum is present (and shall if so directed by the meeting) adjourn the meeting to another time or place. In addition the Chairman may at any time without the consent of the meeting adjourn the meeting to another time or indefinitely if it appears to the Chairman that:
  - (i) The number of persons wishing to attend cannot be conveniently accommodated in the place(s) appointed for the meeting; or
  - (ii) The unruly behavior of any person attending the meeting prevents or is likely to prevent the orderly conduct of the business of the meeting; or
  - (iii) An adjournment is otherwise necessary so that business of the meeting may be properly conducted.

No business shall be transacted at any adjourned meeting other than business left unfinished at the meeting from which the adjournment took place.

When a meeting is adjourned for an indefinite period, the date, time and place of the adjourned meeting shall be fixed by the Board. When a meeting is adjourned for 60 days or more, notice of the adjourned meeting shall be given as in the case of the original meeting. When a meeting is adjourned for more than 14 days but less than 60 days (or for 14 days or less if the date of the adjourned meeting is fixed by the Board), notice of the day, time and place of the adjourned meeting shall be given in the same manner as in the case of an original meeting and notice of the business to be transacted at such an adjourned meeting shall not be required. Where a meeting is adjourned for 14 days or less, and the date of the adjourned meeting is fixed by the Chairman of the meeting, it shall not be necessary to give any notice of the adjourned meeting or of the business to be transacted at an adjourned meeting whatever the reason for the adjournment.

#### 40. MODE OF DECIDING QUESTIONS AT MEETINGS

At any general meeting, a resolution put to the vote of the meeting shall, unless a poll is demanded, be decided on a show of hands unless a poll is (before or on the declaration of the result of the show of hands) demanded. Unless a poll is so demanded, a declaration by the Chairman that a resolution has, on a show of hands, been carried, or carried unanimously, or by a particular majority, or lost, and an entry to that effect in the book of the proceedings of the Company shall be conclusive evidence of the fact, without proof of the number or proportion of the votes recorded in favour of, or against, that resolution.

#### 41. POLL

- 41.1 A poll may be demanded only in accordance with the provisions of Section 167 of the Ordinance. If a poll is duly demanded, it shall be taken in accordance with the manner laid down in Section 168 of the Ordinance and the result of the poll shall be deemed to be the resolution of the meeting at which the poll was demanded.
- 41.2 A poll demanded on the election of the Chairman or on a question of adjournment shall be taken at once.

#### 42. RIGHT OF DIRECTORS TO ATTEND GENERAL MEETINGS

Subject to Section 162 of the Ordinance every Director of the Company shall have the right to attend any general meeting of the Company and also to take part in the discussions thereat, but he/she shall not be entitled to cast a vote at a general meeting of the Company unless he/she is Member of the Company.

#### PART VII - VOTES OF MEMBERS

#### 43. VOTES OF MEMBERS

Subject to any rights or restrictions attached to any shares and to the provisions of these Articles, on a show of hands every Member who is present in person shall have one vote and on a poll every Member present in person or by a representative or proxy shall have one vote for each share held by him/her. Provided that, in case of election of Directors, the provisions of Article 53 shall apply.

# 44. REPRESENTATION OF COMPANIES OR CORPORATIONS AT GENERAL MEETING

Any company or corporation which is a Member of the Company may by resolution of its Board of directors or in such manner as may be permitted or required by its constitution, authorize, in writing, any person or persons to act as its representative at any general meeting of the Company or any class of Members in respect of its entire holding or any part thereof. A person so authorized shall be entitled to exercise the same powers on behalf of the company or corporation he/she represents as that company or corporation could exercise if it were an individual Member of the Company. A representative so appointed shall not be deemed to be a proxy.

#### 45. JOINT HOLDERS

In the case of joint holders of a share the vote of the senior who tenders a vote, whether in person or by proxy, shall be accepted to the exclusion of the votes of the other joint holders and for this purpose seniority shall be determined by the order in which the names stand in the Register in respect of the shares.

#### 46. THE INSTRUMENT OF PROXY

The instrument appointing a proxy shall be in writing and be signed by the appointer or his/her attorney duly authorized in writing or if the appointer or his/her attorney duly authorized in writing or if the appointer is a body corporate be under its seal or be signed by an officer or any attorney duly authorized. A proxy need not be a Member. A proxy who is appointed for a specified meeting only shall be called a Special Proxy. A special proxy shall be valid only for the meeting to which it relates and it shall not be used for more than one meeting. An instrument appointing a proxy may be in the following form or a form near thereto as may be approved by the Directors:

#### DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

	of	being	a member of DHA
	COMPANY (PRIVATE)		
	as my p		
annual/extraordinary	general meeting of the and at any adjournment	Company to be held	-
Dated:		Signed:	

# 47. INSTRUMENT APPOINTING A PROXY TO BE DEPOSITED AT THE OFFICE OF THE COMPANY

The instrument appointing a proxy and the power of attorney or other authority, if any under which it is signed or a notarized certified copy of that power or authority shall be deposited at the office of the Company not less than 48 hours before the time for holding the meeting or adjourned meeting at which the person named in the instrument proposed to vote and in default the instrument of proxy shall not be treated as valid. Delivery of an instrument appointing a proxy shall not preclude a Member from attending and voting in person at the meeting or poll concerned.

#### 48. REVOCATION OF AUTHORITY

A vote given in accordance with the terms of an instrument appointing a proxy shall be valid notwithstanding the previous death or insanity of the Member or revocation of the proxy or of the authority under which the proxy was executed or the transfer of the shares

in respect of which the proxy is given unless intimation in writing of the death, insanity, revocation or transfer shall have been received by the Company at least forty eight (48) hours before the commencement of the meeting or adjourned meeting at which the proxy is used. Provided nevertheless that the Chairman of any meeting shall be entitled to require such evidence as he/she may in his/her discretion think fit of the due execution of an instrument of proxy and that the same has not been revoked.

#### 49. EQUALITY OF VOTES

In case of an equality of votes, whether on a show of hands or on a poll, the Chairman of the meeting at which the show of hands takes place, or at which the poll is demanded, shall have and exercise a second or casting vote.

#### PART XIII - DIRECTORS

#### 50. NUMBER OF DIRECTORS

- a) The following shall be the first Directors of the Company:-
- 1. Naeem Azhar Lone
- 2. Muhammad Rafique
- 3. Syed Jamal Ullah Macdi
- b) Save as provided in Section 187 of the Ordinance, no person shall be appointed as a Director unless he/she is a Member of the Company.

#### 51. REMUNERATION OF DIRECTORS

The remuneration of the Directors shall from time to time be determined by the Company in general meeting subject to the provisions of the Ordinance.

#### 52. DIRECTORS MAY CONTRACT WITH COMPANY

No Director or intending Director shall be disqualified by his/her office from entering into any contract, arrangement, transaction or proposal with the Company either acting in a professional capacity as a vendor, purchaser or otherwise, nor shall any contract, arrangement, transaction or proposal entered into by or on behalf of the Company in which any Director shall be so concerned or interested, be liable to account to the Company for any profit realized by any such contract, arrangement, transaction or proposal by reason of such Director holding that office or of the fiduciary relation thereby established provided that the nature of his/her interest has been disclosed by him/her at the time and in the manner specified in Section 214 of the Ordinance. Provided further that any such contract, arrangement, transaction or proposal as afore-mentioned shall not be entered into with the

Company by a Director or intending Director without the approval of the Board. In a Board meeting held for the purposes of granting such afore-said approval, the Director who is directly or indirectly interested or concerned in any way shall not take part in the discussion, nor vote in such meeting.

#### PART IX - APPOINTMENT, ELECTION AND REMOVAL OF DIRECTORS

#### 53. ELECTION OF DIRECTORS

- 53.1 At the first annual general meeting of the Company, all the Directors shall stand retired from office, and directors shall be elected in their place in accordance with Section 178 for a term of three years.
- 53.2 A retiring Director shall be eligible for re-election.
- 53.3 The Directors shall comply with the provisions of Sections 174 to 178 and Sections 180 and 184 relating to the election of Directors and matters ancillary thereto.
- 53.4 Subject to the provisions of the Ordinance, the Company may from time to time increase or decrease the number of Directors.
- 53.5 Any casual vacancy occurring on the Board of Directors may be filled up by the Directors, but the person so appointed shall be subject to retirement at the same time as if he/she had become a Director on the day on which the Director in whose place he/she is chosen was last elected as Director.
- 53.6 The Company may remove a Director in accordance with the provisions of the Ordinance

#### 54. VACATION OF OFFICE OF DIRECTOR

The office of a Director shall be vacated if:

- (a) He/she becomes ineligible to be appointed as a Director on any or more of the grounds enumerated in clause (a) to (h) of Section 187 of the Ordinance subject always to the proviso to such Section;
- (b) He/she absents himself/herself from three consecutive meetings of the Board or from all meetings of the Board for a continuous period of three months whichever is the longer without leave of absence from the Board and the Board resolve that his/her office be vacated;
- (c) He/she or any firm of which he/she is a partner or any private company of which he/she is a Director;

- (i) without the sanction of the Company in general meeting, accepts or holds any office of profit under the Company other than that of Chief Executive or a legal or technical advisor or a banker; or
- (ii) accepts a loan or guarantee from the Company in contravention of Section 195 of the Ordinance.
- (d) He/she fails to obtain the share qualification, if any necessary for his/her appointment, or ceases to hold share qualification necessary for his/her appointment.

#### 55. ALTERNATE DIRECTORS

Subject to Section 192 of the Ordinance, a Director may with the approval of the Board, appoint any person to be his/her alternate Director during his/her absence, if not less than three months, from Pakistan and such appointment shall have effect and such appointee while he/ she holds office as an alternate director shall be entitled to notice of meetings of the Board and to attend and vote thereat accordingly and generally to exercise all the rights of such absent Director subject to any limitations in the instrument appointing him/her. Any appointment or removal under this Article shall be effected by notice in writing under the hand of the Director making the same.

#### PART X - PROCEEDINGS OF DIRECTORS

#### 56. MEETING OF DIRECTORS

The Board may meet together for the dispatch of business, adjourn, and otherwise regulate their meetings, as they think fit. Such meetings may be held in such places in or outside Pakistan as the Board may determine. The Board may invite such persons as they may deem fit to attend the meetings of the Board of Directors as observers. Meetings of the Board may be held by teleconference, video conference or other electronic media facilities enabling Directors to participate in meetings without being in the same physical location.

#### 57. POWER OF DIRECTOR TO SUMMON A MEETING; NOTICE OF MEETING

A meeting of the Board can be convened at any time on the requisition of a Director; provided that seven (7) clear days' notice of the meeting shall ordinarily be given to all Directors including those who were/are not for the time being resident in Pakistan. In case of urgent business a meeting of the Directors may be called at shorter notice provided that notice of such meeting is sent to all the Directors by facsimile at the facsimile numbers if any provided by the Directors or by any other expeditious means.

#### 58. CHAIRMAN

The Board may from time to time appoint one or more of their body to be the holder of the office of Chairman and determine the period for which he/she is to hold office. The Chairman so elected shall preside over meetings of the Board.

#### 59. QUORUM

The quorum for a meeting of the Board shall be a minimum of two (2) Directors.

#### 60. EFFECT OF QUORUM

A meeting of the Directors for the time being at which a quorum is present shall be competent to exercise all or any of the authorities, powers and discretions by or under Articles of the Company for the time being vested in or exercisable by the Directors generally.

#### 61. RESOLUTION WITHOUT A MEETING OF THE DIRECTORS

A resolution in writing signed by all Directors for the time being in office shall be valid and effectual as if it had been passed at a meeting of the Board duly called and constituted. For this purpose, it shall be permissible to circulate the text of the proposed resolution duly signed by the Chief Executive and obtain signatures of all the other Directors thereon.

#### 62. DIRECTOR MAY ACT NOTWITHSTANDING ANY VACANCY

The continuing Directors may act notwithstanding any vacancy in their body, but if their number falls below the minimum fixed by or under these Articles the Directors shall not, except for the purpose of filing vacancies on the Board or summoning a general meeting, act so long as the number is below the minimum.

#### PART XI - POWERS OF DIRECTORS

#### 63. POWERS OF DIRECTORS

- 63.1 The business of the Company shall be managed by the Directors who may pay all expenses incurred in promoting and registering the Company and may exercise all such powers of the Company as are not by the Ordinance or these Articles required to be exercised by the Company in a general meeting, provided that no regulation made by the Company in general meeting shall invalidate any prior act of the Board which would have been valid if that regulation had not been made.
- 63.2 The Directors shall exercise all powers enumerated under Section 196 of the Ordinance, including issuance/execution of cheques, promissory notes, drafts, bills of exchange and other instruments whether negotiable or transferable or not, and all receipts for moneys paid to the Company, shall be signed, drawn, accepted, endorsed or otherwise executed, as the case may be, in such manner as the Board shall from time to time by resolution determine.

- 63.3 The Board shall cause minutes to be made in books provided for the purpose:
  - (a) of all appointments of officers made by the Board;
  - (b) of the names of the Directors present at each meetings of the Directors and of any committee of the Board; and
  - (c) of all resolutions and proceedings at all meetings of the Company, and of the Directors, and of committees of the Board.

#### PART XII - CHIEF EXECUTIVE

#### 64. APPOINTMENT OF CHIEF EXECUTIVE

The Company shall have a Chief Executive appointed in accordance with the provisions of Section 198 and 199 of the Ordinance.

#### 65. CHIEF EXECUTIVE DEEMED TO BE A DIRECTOR

The Chief Executive shall if he/she is not already a Director elected under Article 53 be deemed to be one and be entitled to all the rights and privileges and subject to all the liabilities of that office. Subject as aforesaid the terms and conditions of appointment of the Chief Executive shall be determined by the Board.

#### 66. REMOVAL OF CHIEF EXECUTIVE

The Board by resolution by not less than three-fourths of their total number for the time being or the Company by a Special Resolution may remove a Chief Executive before the expiration of his/her term of office.

#### PART XIII - THE SEAL

#### 67. CUSTODY OF SEAL

- 67.1 The Board shall provide for the safe custody of the Seal and the Seal shall not be affixed to any instrument except by the authority of the Board or a committee authorized by the Board itself.
- 67.2 Every instrument to which the Seal shall be affixed shall be signed autographically in any of the following manners.
  - (i) By two Directors; or
  - (ii) By a person duly authorized by the Board either generally or in relation to specific instruments of instruments of specific descriptions.

67.3 Notwithstanding the provisions of paragraph 67.2 of the Articles the Board may resolve to dispense with autographic signatures of all or any person referred to in that paragraph in relation to specific instruments or instruments of specified descriptions, and in substitution therefore to authorize signatures to be affixed by some method or system of mechanical signature approved by the Board.

#### PART XIV - DIVIDENDS AND RESERVES

#### 68. RESERVES

The Board may, before recommending any dividend, set aside out of the profits of the Company such sums as they think proper as a reserve or reserves which shall, at the discretion of the Board, be applicable for meeting contingencies or for equalizing dividends or for any other purpose to which the profits of the Company may be properly applied and pending such application may, at the like discretion, be employed in the business of the Company or be invested in such investments, as the Directors may, subject to the provisions of the Ordinance, think fit.

#### 69. DECLARATION OF DIVIDENDS

The Company in general meeting may declare dividends, but no dividends shall exceed the amount recommended by the Board.

#### 70. PAYMENT OF DIVIDENDS

No dividend shall be paid otherwise than out of the profits of the Company.

#### 71. INTERIM DIVIDENDS

The Board may from time to time declare and pay to the Members such interim dividends as appear to the Board to be justified by the profits and position of the Company.

#### 72. TIME FOR PAYMENT OF DIVIDEND

Any dividend declared pursuant to Article 69 shall be paid within the period laid down in Section 251 of the Ordinance.

#### 73. DIVIDEND TO JOINT HOLDERS

Any one of several persons who are registered as the joint holders of any shares may give effectual receipt for any dividend payable in respect of such shares.

#### 74. EFFECT OF TRANSFER

A transfer of shares shall not pass the right to any dividend declared thereon before the registration of the transfer.

#### 75. RETENTION OF DIVIDEND

The Directors may retain the dividend payable upon shares in respect of which any person is under Article 20 entitled to become a Member or which any person under that Article is entitled to transfer until such person shall become a Member in respect thereof or shall duly transfer the same.

#### 76. UNCLAIMED DIVIDENDS

Subject to the applicable provisions of the Ordinance, all dividends unclaimed after having been declared may be invested or otherwise made use of by the Board for the benefit of the Company until claimed.

#### 77. DIVISION OF DIVIDEND

All dividends of the Company shall be apportioned and paid pro rata among the Monbers in proportion to the number of shares held by them respectively during any portion or portions of the period in respect of which the dividend is paid.

#### PART XV - MINUTES AND BOOKS

#### 78. MINUTES TO BE RECORDED

The Company shall cause a fair and accurate summary of all proceedings of general meetings and meetings of its Board and committees along with the name of those participating in such meetings to be entered in properly maintained books.

#### 79. BOOKS OF ACCOUNTS TO BE KEPT

The Board shall cause to be kept proper books of accounts with respect to all sums of money received and expenditures incurred all sales and purchases of goods by the Company and all assets and liabilities of the Company.

#### 80. BOOKS OF ACCOUNTS TO BE KEPT AT OFFICE OF THE COMPANY

The books of accounts shall be kept at the office of the Company or at such other place in Pakistan as the Board may decide and when the Board so decides the Company shall within seven (7) days of the decision, file with the Registrar a notice in writing giving the full address of that other place.

#### 81. ANNUAL ACCOUNTS AND BALANCE SHEET

The Directors shall as required by Section 233 and 236 of the Ordinance cause to be prepared and to be laid before the Company in general meeting such profit and loss

accounts and balance sheets duly audited and reports as referred to in the above referred Sections.

#### PART XVI - AUDIT

#### 82. APPOINTMENT OF AUDITORS

Auditors shall be appointed and their duties regulated in accordance with Sections 252 to 255 of the Ordinance. The auditors shall be entitled to attend any general meeting of the Company and to receive all notices of and other communications relating to any general meeting which any Member is entitled to receive and be heard there at, on any part of the business of the meeting which concerns him/her as auditor.

#### PART XVII - NOTICES

#### 83. PROCEDURE FOR GIVING NOTICES

A notice may be given by the Company to any Member either personally or by sending it by post to him/her at his/her registered address or if he/she has no registered address in Pakistan, to the address, if any within or outside Pakistan, supplied by him/her to the Company for the giving of notices to him/her.

#### 84. NOTICE SENT BY POST

Where a notice is sent by post, service of the notice shall be deemed to be effected by properly addressing, preparing and posting a letter containing the notice and, unless the contrary is proved, to have been effected at the time at which the letter would have been delivered in the ordinary course of post.

#### 85. NOTICE TO JOINT HOLDERS

A notice may be given by the Company to the joint holders of a share by giving the notice to the joint holder named first in the Register in respect of the shares.

#### 86. NOTICE TO PERSON ENTITLED BY TRANSMISSION

A notice may be given by the Company to the person entitled to a share in consequence of the death or insolvency of a Member by sending it through the post in a prepaid letter addressed to them by name or by the title of representatives of the deceased or assignees of the insolvent of by any like description at the address if any in Pakistan, supplied for the purpose by the persons claiming to be so entitled or until such an address has been so supplied by giving the notice in any manner in which the same might have been given if the death or insolvency had not occurred.

#### PART XVIII - SECRECY

#### 87. SECRECY

Every Director, manager, advisor, auditor, member of a committee of the Board, officer, servant, agent, accountant or other person employed in the business of the Company shall, if so required by the Board, before entering upon his/her duties, sign a declaration pledging himself/herself to observe a strict secrecy respecting all transactions of the Company with its customers and the state of accounts with individuals and in matters relating thereto, and shall by such declaration pledge himself/herself not to reveal any of the matters which may come to his/her knowledge in the discharge of his/her duties except when required to do so by the Directors or by any applicable law or by any general meeting or by any court of law and except so for as may be necessary in order to comply with any of the provisions of these Articles.

#### PART XIX - INDEMNITY

#### 88. INDEMNITY

Every officer, Director or agent for the time being of the Company may be indemnified out of the assets of the Company against any liability incurred by him/her in defending any proceedings, whether civil or criminal arising out of his/her dealings in relation to the affairs of the Company whether the outcome of any such proceedings is in her/his favour or otherwise except those brought by the Company against him/her, or in connection with any application under Section 488 in which relief is granted to him/her by the Court.

#### PART XX - WINDING UP

#### 89. DISTRIBUTION OF ASSETS

- 89.1 If the Company is wound up, the liquidator may, with the sanction of a Special Resolution of the Company and any other sanction required by the Ordinance, divide amongst the Members, in specie or in kind, the whole or any part of the assets of the Company, whether they consist of property of the same kind or not.
- 89.2 For the purpose aforesaid, the liquidator may set such value as he/she deems fair upon any property to be divided as aforesaid and may determine how such division shall be carried out as between the Members or different classes of Members.
- 89.3 The liquidator may, with the like sanction, vest the whole or any part of such assets in trustees upon such trusts for the benefit of the contributories as the liquidator, with the like sanction, thinks fit, but so that no Member shall be compelled to accept any shares or other securities whereon there is any liability.

#### **PART XXI - DISPUTE RESOLUTION**

#### 90. DISPUTE RESOLUTION

90.1 In the event that a dispute, claim or controversy arises between the Company, its management or its shareholders, or between the shareholders inter-se, or the directors interse, all steps shall be taken to settle the dispute and resolve the issue through mediation by an accredited mediator before taking recourse to formal dispute resolution such as arbitration or litigation. Notwithstanding the above, mediation shall not be a condition precedent for initiating proceedings before the court having jurisdiction to determine the dispute, claim or controversy.



We the several persons, whose names and addresses are subscribed, are desirous of being formed into a company, in pursuance of these Articles of Association and we respectively agree to take the number of shares in the capital of the Company set opposite to our names:

Name and Surname (Present & Former) in full (in Block Letters)	Full		Nationalit y with any former Nationalit y	Occupation	Address 7 TH	Number of Shares taken by each Subscribe r	Signature
NAEEM AZHAR LONE	MUHAMM AD AZHAR LONE	35201- 9117920- 1	PAKISTA NI	BUSINESS EXECUTIV E	53/1-S, 7 TH COMMERCIA L STREET, PHASE 4, DHA, KARACHI	ONE (1)	1
MUHAM MAD RAFIQUE	MUHAMM AD YASIN KHAN	34101- 6241501- 5	PAKISTA NI	BUSINESS EXECUTIV E	HOUSE NO. SUH-443, STREET 5, ASKARI 5, MALIR CANTT, KARACHI	ONE (1)	
SYED JAMAL ULLAH MACDI	SYED SANA ULLAH MACDI	42101- 1936245- 5	PAKISTA NI	BUSINESS EXECUTIV E	PLOT 6/B-3, D STREET, PHASE 5, DHA, KARACHI	ONE (I)	
DHA ENERGY AND SERVICE S (PRIVATE ) LIMITED	N/A	N/A	PAKISTA NI	N/A	2/B, EAST STREET, PHASE-I, DHA, KARACHI, SINDH 75500	NINE HUNDR ED AND NINETY -NINE THOUS AND NINE HUNDR	
Through its authorized representat ive						ED AND NINETY -SEVEN (999,997)	

MUHAM MAD RAFIQUE	MUHAMM AD YASIN KHAN	34101- 6241501- 5	PAKISTA NI	BUSINESS EXECUTIV E	HOUSE N SUH-443, STREET ASKARI MALIR CANTT, KARACHI	5, 5,		M-
							ONE MILLIO N (1,000,00	

Dated 24 February 2017

Witness to the above signatures:

Name: NIFT (Pvt.) Limited

Address: 5th Floor, AWT Plaza, I.I. Chundrigar Road

Karachi- 74200, Pakistan



## ANNEX - A-3

#### **ANNUAL REPORTS**

DESCO's audited statements are appended herein below.

# THE COMPANIES ACT, 2017 THE COMPANIES REGULATIONS, 2024

[Section 130(1), 130(2), 424(5) read with Regulations 62 & 30]

#### ANNUAL RETURN OF A COMPANY

#### PART-1

(To be filled by All Companies)

(Plea 1.1	use complete in hold capital letters)  CUIN (Registration Number)	0 1 0 6 3 0 0
1.2	Name of the Company	DHA Energy Supply Company (Pvt) Ltd
1.3	Fee Payment Details	1.3.1 Challan No 24,97436 1.3.2 Amount 1671
	1.4 Particulars of—	Piesse fick the relevant box
		a company other than inactive company Inactive Company
		PART-II
	(To	be filled by an Active Company)
2.1	Annual General Meeting held	
2.2	Form-A made up to (applicab AGM was held/concluded during	
2.3	Registered office address	2/B, East Street, Phase-I, DHA Karachi. 75500 KARACHI Karachi South Sindh
2.4	Email Address	dhakarachicorporate@gmail.com
2.5	Office Tel. No.	021-111589589
2.6	Mobile No. (Preferably What authorized officer: (Chief E Secretary/ Chief Financial C	xecutive/ Director/ Company
		Certified to be True Copy  More Than The Copy  Deputy Registre of Configurations

		Mohalla Ganj Mughalpura, Lahore		ANNA MEN AND PROPERTY OF THE PARTY OF THE PA		
And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	Asim Ali	House No. 5UH-82, Street No. 6 Sec I, Askari 5 Mülir Cants, Karachi	Pakisanı	75202-6151522-3	20-72-2023	
3	Mehasood Ali Babri	Gulberg Circen, House No. 302, Street No. 17 Block A Islamabad	Pakisiani	37486-5557 11-9	15-04-2034	
4	Faisal Imran Hussain Mulik	318/1, Kh c Shippat Phase 8b DHA, Kamchi	Pakistani	42203-0527582-5	16-01-202)	
\$	Haseeb Hafeezuddeen	House No 10-B, 2 ^{at} Cennal Lane Phase II, DHA Karachi South	Pakisana	42301 499962-0	2H-21-2HX22	

## 2.11 List of members/shareholders & debenture holders on the date up to which this Form is made.

# Folio # (If any)		Address	Nationality	No. of shares / debentures held (Applicable in case of companies having share capitals	Percentage of shareholding of member having 25% or more shareholding (Applicable in case of companies having share capital)	CNIC No. for Pakistanis, or NICOP No. for Overseas Pakistanis, or Passport No. for foreigners, or CUIN No. for Pakistani company, or Registration No. for foreign company.
.7.11213 C.I.EUEUG	10-111CHING10			No. 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	S 	
	DHA Energy & Services (Pot) Ltd	2H, East Street, Phase-I, DHA, Karachi	Pakistan	<u>अप्रस्थान</u>		0105353
major majorina sub suurita siintäymää ***	Asim Ali	House No. SUH- 82, Street No. 6 Sec J, Askari 5 Malir Cantt. Karachi	Pakistuni			35202-6151822-3
Debenture	holders	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t				Market State Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control
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3.4 Confirmation about inactive status of Company It is hereby stated and confirmed that the Company has

- not carried out any operation since gram of status as an mactive company;
- (ii) no substantial assets or Accounting transactions;

#### Declaration:

- 3.5 I do hereby solemnly and sincerely declare that the information provided in the form and the enclosures is:
  - (i) true and correct to the best of my knowledge, in consonance with the record as a maintained by the company and nothing has been concealed; and
  - (ii) hereby reported after complying with and falfilling all requirements under the relevant provisions of law, rules, regulations, directives, circulars and notifications whichever is applicable.

3.6	Name of Authorized Officer wi designation/Authorized Intermediary appointed)	ill Hained Hagneraddoon Paracitics
<b>3.</b> 3	Signatures	Haml welden
3.8	Registration No of Authorized Intermedia	ıry, if applicable
10	Deta	Day Month Year

#### INSTRUCTIONS FOR FILLING THIS FORM

- This Form shall be made up to the date of last AGM of the Company or the last due of last all calendar year where no AGM is held/concluded during the year.
- 2. If shares are of different classes the columns should be subdivided, so that the inschool each class held, is shown separately against S. No. 2.7 and 2.8
- 3. If space provided is insufficient, the required information should be listed in a sparar sheet attached to this return which should also be signed.
- This form is to be filed within 30 days of the date indicated in Sr. No. 2.1 or case may be). If the form is filed after 30 days, additional fee as per section 468 staff is applicable.

Page 5 of 6

# THE COMPANIES ACT, 2017 THE COMPANIES REGULATIONS, 2024

[Section 14(1)(c),167 & 197 and Regulations 50,54 & 30]

PARTICULARS OF DIRECTORS AND OFFICERS, INCLUDING THE CHEIF EXECUTIVE, SECRETARY, CHIEF FINANCIAL OFFICER, AUDITORS, LEGAL ADVISER AND INCASE OF SINGLE MEMBER COMPANY, NOMINEE OF SOLE MEMBER OR OF ANY CHANGE THEREIN

#### PARTI

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ulars*			PART-II		S. Commercial Street		
NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner	address	Designatio n	Mationality	Bussiness Occupatio n n****(if any)	Date of present appointme nt or change	Mode of appointme nt / change /any other Remarks**	Nature of directorsh p (nominee other)
(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
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42501880 83027	House No. 21/2, Street No 45, Mohalla Sunnat Nagar	Director	Pakistan	Service	24-07- 2024 Terrifica		Nominate
	NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner (b)  appointment	NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner  (b) (c)  appointment/election  42501880 83027  House No. 21/2, Street No 45, Mohalla Sunnat	NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner  (b) (c) (d)  appointment/election  House No. 21/2, Street No 45, Mohalla Sunnat	NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner  (b) (c) (d) (e)  appointment/election  House No. 21/2, Street No 45, Mohalla Sunnat	NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner  (b) (c) (d) (e) (f)  appointment/election  House No. 21/2, Street No. 83027  House No. 45, Mohalla Sunnat  Nationality Bussiness Occupation Nationality and Pakistan Service	NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner  (b) (c) (d) (e) (f) (g)  appointment/election  House No. 21/2, Street No 45, Mohalla Sunnat Nagar  Nationality Bussiness Occupatlo present appointment and or change of a foreigner  Pakistanis residential address  Nationality Bussiness Occupatlo n n****(if any)  Pakistan Service 24-07-2024	NIC No for Pakistani or NICOP No for overseas Pakistanis or Passport No in case of a foreigner  (b) (c) (d) (e) (f) (g) (h)  appointment/election    Date of present appointment
provisions of law, rules, regulations, directives, circulars and notifications whichever is applicable.

4.2.	Name of Authorized Officer with
	designation/Authorized Intermediary (if
	appointed)

Muhammad Zubair	Secretary
Hakilm Khan	

4.3. Signatures

This is an electronically generated document and doesnt require a physical signature

4.4. Registration No of Authorized Intermediary, if applicable

6 d 64-	

4.5. Date

Day		Mo	Month		year			
0	9	0	8	2	0	2		

#### Enclosure

- Consent of each Director/Chief Executive upon their appointment/-reappointment/election on the
  pescribed appendix
- Copy of nomination letter from the appointing authority in case the person is nominated under any of the provisors of the Act.
- 3. Copy of NOC/approval from concerned department (Ministries or Regulatory Authorities or SECP) is required for companies with licensing activities etc.
- 4. Consent of auditor, in case of appointment re-appointment of auditor
- 5. Copy of resignation letter (in case of resignation of a director or chief executive), duly signed by resigning director or chief executive, verified through an affidavit on stamp paper duly signed by the person who has signed this Form and attested by an oath commissioner and witnessed, be attached.
- 6. If the person appointed is a foreigner, please provide 9 sets of Bio-Data & valid Passport for onward submission to Ministry of Interior (MOI) for clearance along with undertaking in original
- Sufficient evidence in case of removal/ death/disqualification of Director/ Chief Executive may be attached.
- 8. Any other documents, as required by the registrar.
- Original challan or other evidence of payment of fee specified in Seventh Schedule of the Act (not applicable in case of online filing)

Appendix to Form-9

# THE COMPANIES ACT, 2017 THE COMPANIES REGULATIONS, 2024

[Section 167]

(Applicable in case of appointment or election of director(s) or Chief Executive)

CONSENT TO ACT AS DIRECTOR / CHIEF EXECUTIVE

# THE COMPANIES ACT, 2017 THE COMPANIES REGULATIONS, 2024

[Section 14(1)(c), 167 & 197 and Regulations 50, 54 & 30]

PARTICULARS OF DIRECTORS AND OFFICERS, INCLUDING THE CHIEF EXECUTIVE, SECRETARY, CHIEF FINANCIAL OFFICER, AUDITORS, LEGAL ADVISER AND IN CASE OF SINGLE MEMBER COMPANY, NOMINEE OF SOLE MEMBER OR OF ANY CHANGE THEREIN

PART-I

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#### Enclosures:

- 1. Consent of each Director : Chief Executive upon their appointment/re-appointment/election on the prescribed appendix
- Copy of nomination letter from the appointing authority in case the person is nominated under any of the provisions of the Act.
- Copy of NOC/approval from concerned department (Ministries or Regulatory Authorities or SECP) is required for companies with licensing activities etc.
- 4. Consent of auditor, in case of appointment/re-appointment of auditor
- 5. Copy of resignation letter (in case of resignation of a director or chief executive), duly signed by resigning director or chief executive, verified through an affidavit on stamp paper duly signed by the person who has signed this Form and attested by an oath commissioner and witnessed, be attached.
- 6. If the person appointed is a foreigner, please provide 9 sets of Bio-Data & valid Passport for onward submission to Ministry of Interior (MOI) for clearance along with undertaking in original.
- Sufficient evidence in case of removal/ death / disqualification of Director/ Chief Executive may be attached.
- 8. Any other documents, as required by the registrar.
- 9. Original challan or other evidence of payment of fee specified in Seventh Schedule of the Act (not applicable in case of online filing)



#### ANNEX - A-4

## LAST ANNUAL RETURN UNDER SECTION 130 OF THE COMPANIES ACT

DESCO's last annual return is appended herein below.

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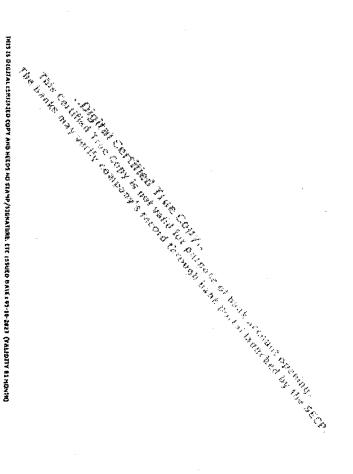
#### 2.16 List of Directors on the date Asnuel return is made

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#### Item No. 4

#### The Authorized, Issued, Subscribed and Paid-up Share Capital of the Applicant.



# DHA Energy Supply Company (Pvt.) Ltd. 2/B East Street, Phase-I, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

#### SHARE CAPITAL

DHA Energy Supply Company (Pvt) Ltd has the following Authorized & Paid-up share capital;

Sr	Authorized Capital			Issued, Subscribed & Paid-Up Capital		
	Number of Shares	Rs per Share	Total (PKR)	Number of Shares	Rs per Share	Total (PKR)
1	10,000,000	10/-	100,000,000	1,000,000	10/-	10,000,000

Bank udden HASEEB HAFEEZUDDEEN DIRECTOR



# DHA Energy Supply Company (Pvt.) Ltd 2/B East Street, Phase-I, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

#### LIST OF SHAREHOLDERS

DHA Energy Supply Company (Pvt) Ltd has the following shareholding pattern;

Sr	Name of Sharcholder	Authorized Representative	Number of Shares Held	Percentage of Holding
1.	DHA Energy & Services	Brig Sohnil Imtiaz	999,999	99.99
2.	Brig Asim Ali (Retd)	-	1	0.01

Waseheed deem HASEEBJIAFEEZUDDEEN DIRECTOR



# DHA Energy & Services (Pvt) Ltd 2/B East Street, Phase-I, DHA, Karachi-75500 Ph: (+92-21) 111-589-589 Fax (+92-21) 35886406

#### SHARE CAPITAL

DHA Energy & Services (Pvt) Ltd has the following Authorized & Paid-up share capital;

Sr	Authorized Capital			Issued, Subscribed & Paid-Up Capital		
Sī	Number of Shares	Rs per Share	Total (PKR)	Number of Shares	Rs per Share	Total (PKR)
1	10,000,000	10/-	100,000,000	4,000,000	10/-	40,000,000

HASEEB UAFEEZUDDEEN DIRECTOR



# DHA Energy & Services (Pvt) Ltd

Billian Street, France, indicate 2013 -Carlott (1984) Billian (1984) 18 - Carlott (1984)

#### LIST OF SHAREHOLDERS

DHA Energy & Services (Pvo Ltd has the following shareholding pattern)

	Šr 📑	Same of Shareholder	Authorized	Number of	Percentage of
		B. A state of the participant the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	Representative	Shares Held	Holding
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HASEEBHALEZUDDEN BIRECTOR

# III. POWER OFF-TAKE

# ANNEX - B

# **LUCKY CEMENT'S COMMITMENT TO SELL POWER**

Lucky Cement's letter dated 10 September 2024 is appended herein below.



Ref # LCL/KE/PG/240910

Date: 10th September 2024

Brig. Sohail Imtiaz
Chief Executive Officer
DHA Energy Supply Company (Pvt) Ltd
DHA City, M-9 Motorway
Karachi.

Dear Sir,

SUBJECT:

BI-LATERAL ARRANGEMENT FOR POWER SUPPLY - LUCKY CEMENT LIMITED AND DHA ENERGY SUPPLY COMPANY (Pvt) Ltd ("DESCO")

With reference to your letter dated [August 27, 2024], Lucky Cement Limited ("LCL") is hereby informing you of its consent to enter into a Power Acquisition Contract with DHA Energy Supply Company (Private) Limited ("DESCO") for supply of power to DHA City of up to 6.0MW, subject to all regulatory approvals.

Best regards,

Syed Hassan Mazhar

**General Manager-Power Generation** 

Lucky Cement Limited-KP

C.C: Executive Director - Lucky Cement Limited

Mr. Faisal Jehangir, Advisor ADHA, DHA City Karachi, Karachi



# IV. FINANCIAL AND TECHNICAL CAPABILITIES

# ANNEX - C-1

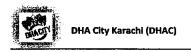
### CASH BALANCES HELD IN RESERVE ALONG WITH THE BANK CERTIFICATES

Duly verified bank statement of DESCO, which shows the cash balance held by the company, is provided herein below.

### Item No. 6

# Evidence of Cash Balances Held In Reserve By The Applicant, Along With Bank Certificates;

	MENOS					23 October 2023 11:49:22
itasensent President Account Numbe	d: 23229701	rench Name: 26th 51 OHA-F	'kesa V			
KR IALANCE AT PI		Transmution Hat	Bast Sala	DR Amount	CR Amount	RUNBAL
Value Date	Description PROFIT PAYMEN	2007782901-2022			970.33	66.164.72
01 AUG 27	τ	03.73		84.75		56,077 97
51 AUG 12	Tax Detail	2207782961-2022 6751		69.73		
61 SEP 92	PROFIT PAYNEN T	2603752964-2827 9831			642.58	58,770,96
nisep 72	Tion Depar	2057762861-2022 8851	31 AUG 22	36.45		35,674.30
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26 OCT 22	broads Classing De U4 17419745	1		<b>41,</b> 504		-,
01 WOV 22	PROFIT PAYMEN	2007742961-2027	31 OQT 22		546.65	8,625.44
01 NOV 22	T Tax Captus	1031 20017829 <b>8</b> 1-2022	51 OCT 22	82,03		9,743.41
01 DEC 22	PROPIT PAYMEN	1031 2037782981-2022	50 NOV 22		97,02	8.540.43
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01 FEB 23	PROPRI PAYMEN	2007762961-1029 0131	33 JAN 23		85.94	6,429.30
01 FEB 23	Tax Depis	2607787961-2023 0331	ES MAR 25	5.80		£,41G.41
S1 MAR 23	PACHIT PAYARM	2007762964-2023 0228	28 FFR 23		64,83	6.474.74
01 MAR 23	7 Tax Deba	2007782961-2023	28 FEB 23	9.45		B.456.09
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01 APR 23	T Tau Uebi	63.31 2037742961-2023	31 MAR 23	10.79		5.626.24
		0331 77001029G0ZJ	12 AFR 23	1,136.00		4,391.24
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	Branch : PK00100 57					
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1244-1643	£.5					
21 MAY 25	FED CV/ Chgs PROFIT PAYMEN 7	2007762961-2020 8452	29 APR 23		71,97	4,338.91
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	Branch : PHOC108 57						
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23 MAY 25	SERVICE CHARD ES		FT23343NCIBYC	23 MAY 23	14,30		244,303.81
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01 AA, 23	PROFIT PAYMEN		2007767961-2023 0x30	27 JUN 23		3,955.46	250,749,11
D1 JAR 23	Tax Cobd		2007782981-3023	27 JUN 23	693.32		250,155.79
01 AUG 23	PROFIT PAYMEN		2007782961-2923 9731	31 MH 23		4,356.46	254,911.24
81 AUG 23	Tax Cept		2007782961-2323 5751	31 JUL 23	653.32		253,8\$7.82
Q1 SEP 23	PROFIT PAYMEN		2007782961-2023 0831	31 AUG 23		4.41 <b>4.</b> 8	266,277.83
01 SEP 23	Tox Oub4		2007782981-2023	31 AUG 23	862.99		257,614.84
01 OCT 23	PROFIT PAYNEM		2007752961-2023	30 8EP 23		4,340.63	261,955,47
01 OCT 23	Tax Depti		2007762941-2023	30 SEP 23	681,09		281,304,36
		TOTAL DEBIT / C	**		67,025.07	272,743,06	
	BALANCE AT PER IOG END:						261,364.25



# SILKBANK >

### CUSTOMERNAME

Datte Sep 4 2024

To: DHA ENERGY SUPPLY CO PVT LTD

2 B EAST STREET PHASE I DHA KHI

Subjectl:

**Account Balance Confirmation** 

Dear Valued Customer

Thank you ftor being a Silkbank CusttomerRefterence your requestive hereby certify that your ftollowing account is being maintained with Silkbank

Accounti Titile Custiomer Name Accounti Number DHA ENERGY SUPPLY CO PVT LTD DHA ENERGY SUPPLY CO PV

Account Number Branch Name: Account Type

2007782977 26tth Stt OHA-Phase V SUPER PROFIT (RES)

Currency:

PKR

The balance in your account as on Value Datteun 27 2023 Is presented hereunder

Accounti Balance

15,505,303.48(Fifteen Million Five Hundred Five Thousand Three Hundred Three And 48 / 100 only)

We ttruly value your relationship and look florward to serve you even better

Yes We Can

Silkbank Limitted

- 1. This is a Systlem generated letter and does not require any signature or sticmp
- 2. This letter is issued on your specific requests and does not imply any obligation, commitments or guarantee on tihe part tibe Bank or any of its employers).

Slikbank Limited
26th Street Branch:
Plot No. 23-C, Street-37,
Tauhesd Commercial Area, Phase-V,
DHA, Karach-Paulstan
PABX: (021) 35871479, 35871378
Fax: (021) 35871540 Wabsite: www.sikbank.com.pk

"Say No To Corruption"

# TEMENOS

# SILKBANK>

27 Avgust 2024 14.20:40

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Ţ		1031			163,372,70	14,372,707.32
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Tax DeL4		2007782977-2023 0131	31 JAN 23	27,034.91		14,788,335,16
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T		0131			196,646 91	15,134,445.54
		0331		29,497.04		15,104,948.50
7		0430			229,877.98	15,334,628.48
		2007782977-2023 0430	29 APR 23	34,451,70		15,300,174.78
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STATEMENT OF ACCOUNT

عاليم يرون سعداد في تشفير لمده ها بعد شديث واستعر بالحريث تشكيم تسسد بالتي ريمين كاليكي ويجرا مدكول حدار المساعرة والمداري

# ANNEX -C-2

### **DETAILS OF ANY CHARGES OR ENCUMBRANCES**

As of the date of this SL Petition, there are no charges or encumbrances on the assets of DESCO, as evidenced in its Search Report appended herein below.

### Item No. 7

# **Details of Charges Or Encumbrances Attached To The Applicant's** Assets, If Any



### TOTAL CREDIT INFORMATION (PVT) LIMITED PROFESSIONAL CORPORATE CONSULTANTS

### SEARCH REPORT

PROMETHIS COMPANY'S RECORDS AT SECURITIES & EXCHANGE COMMISSION OF PAKISTAN

SEARCH CONDUCTED ON CHA	RGES FROM 22-00-1965 TO :	27TH NOVEM	BER, 20	23 FOR COM	PANY.		
NAME OF COMPANY	DHA ENERGY & SE	DHA ENERGY & SERVICES (PVT) LIMITED.					
REGISTERED OFFICE	DB. BAST STREET, PHA	SE-1, DHA, KA	RACHE				
NATURE OF BUSINESS	POWER GENERATION -	Power Generation - Allied (Other)					
INCORPORATION DATE	31-01-2017	REGISTRATION NUMBER 0105363					
LAST FORM-A MADE UPTO	15-11-2922	DATE OF LATEST FORM-29		21-03-2023			
DETAILS OF CAPITAL	TYPE OF SHARES	NO. OF SH	RES	PAR VALU	E ANIOUNE		
AUTHORIZED CAPITAL	ORDINARY	10,000,00	ю	10	100,000,000		
PAID UP CAPITAL	ORDINARY	4,000,00	D.	141	40,000,000		
CHIEF EXECUTIVE	COMPANY SECRETARY	Α.	uperor	:5	LEGAL ADVISER		
RALASIM MUSTAFA	MOHAMMAD ZUBAIK	PAHMAN POP	ARFAR.		HUMA FAHAD		
DIRECTORS	CNIC NOS.	APPOINTED	ADDRESS		DRESS		
Faisai Imzun Hussuin Mulik	-12701-0527582-5	££95\90\a1	318/1. Khayanan-a-Shujeat, Phase-VIII-B, DIIA, Exceels.				
Haseeb Harbezuddin	42301-0999602-9	28/21/2022	10-15 2nd Centrol Lane, Plate-H EHIA, Karaohi.				
Was Assas Marchalla	33.704.7543.118-4	16899/2021	Apartinent No. 1802 Block-C Creek Vistas,				

1		1 0/4	<u> </u>
Faisal Imaga Hussuin Malik	42701-05275±0-5	16/56/2023	31821, Khayaban-e-Shujert, Phase-VIII-B, DILA, Katacht
Hasoob Harberndriin	47701-0999602-9	28/11/2022	10-is 2 rd Centres Lane, Phase-H EHEA, Karnohi.
Rai Asun Musiala	31201-0543318-1	1609/2021	Apartment No. 1802 Block-C Creek Vistag, Physic-VIII Dilla, Karackii.
Hafeezullan Khan	17201-9305417-9	10/9//2921	House No. 125, Arman Colony, Armsur Busing Society, Nousbern.
Aurangzeb Anjum	35102-0675152-0	16/09/2021	2/B East Street Plune-I DHA, Karachi.

### CONTENTS OF REPORT:

- . Bank wise Summary of outstanding charges (MIL charge)
- Security was surarmy of outstanding charges (NR, charge)
- Date wise summary of charges (N):, charge;

The public record items reported may have been paid, terrameted, vacated or released prior to today's date

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# **ANNEX - C-3**

# **LATEST AUDITED FINANCIAL STATEMENTS**

The audited financial statements of DESCO are appended herein below.

# Item No. 8

# **Latest Audited Financial Statements of The Applicant**

AUDITED FINANCIAL STATEMENTS OF DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

> FOR THE YEAR ENDED JUNE 30, 2023



### Rahman Sarfaraz Rahim Iqbal Rafiq

CHARTERED ACCOUNTANTS

Plot No. 180, Block-A, S.M.C.H.S. Karachi-74400, PAKISTAN. Tel. No. : (021) 34549345-7 E-Mail: :info@rsif.com Wobsite: www.rsrlr.com Other Offices at Lahore - Rawalpindi / Islamabad

### INDEPENDENT AUDITORS' REPORT

To the members of DHA Energy Supply Company (Private) Limited

REPORT ON THE AUDIT OF THE FINANCIAL STATEMENTS

### Opinion

We have audited the annexed financial statements of M/s. DHA Energy Supply Company (Private) Limited ('the Company'), which comprise the statement of financial position as at June 30, 2023, and the statement of profit or loss, the statement of comprehensive income, the statement of changes in equity, the statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies and other explanatory information ('the financial statements'), and we state that we have obtained all the information and explanations which, to the best of our knowledge and belief, were necessary for the purposes of the audit.

In our opinion and to the best of our information and according to the explanations given to us, the statement of financial position, statement of profit or loss, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows together with the notes forming part thereof conform with the accounting and reporting standards as applicable in Pakistan and give the information required by the Companies Act, 2017 (XIX of 2017), in the manner so required and, respectively, give a true and fair view of the state of the Company's affairs as at June 30, 2023 and of the profit, total comprehensive income, the changes in equity and its cash flows for the year then ended.

### **Basis for Opinion**

We conducted our audit in accordance with International Standards on Auditing (ISAs) as applicable in Pakistan. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the International Ethics Standards Board for Accountants' Code of Ethics for Professional Accountants as adopted by the Institute of Chartered Accountants of Pakistan ('the Code') and we have fulfilled our other ethical responsibilities in accordance with the Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### **Emphasis** of matter

We draw attention to note 1.2 to the financial statements, which describes uncertainty about the grant of distribution license to the Company. Our opinion is not modified in respect of this matter.

### Responsibilities of Management and Board of Directors for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the accounting and reporting standards as applicable in Pakistan and the requirements of Companies Act, 2017 (XIX of 2017) and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Cont'd ... P/2

A nember of Russell Bedford International Aglobal network of independent accountacy firms, business consultants and specialist legal advisers.



### Russell Bedford Rahman Sarfaraz Rahim Iqbal Rafiq

CHARTERED ACCOUNTANTS.

Hot No. 180, Black, A. S. M.C.H.B. Namer-T4400, PARISTAN Tel. No. (1025) 34649467 E-Mel. Milegrandom Wathatia: www.relicom Other Offices at Lethore - Rowelpinol / Ishmethad

-:2:-

### Responsibilities of Management and Board of Directors for the Fluorical Statements (continued)

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cesse operations, or has no realistic alternative but to do so.

Board of Directors are responsible for overseeing the Company's financial reporting process.

### Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assumance about whether the financial statements as a whole are from material misstatement, whether due to found or error, and to usue an auditor's report that includes our opinion. Reasonable assumance is a high level of assumance, but is not a guarantee that an audit conducted in accordance with ISAs as applicable in Pakistan will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with ISAs as applicable in Pakistan, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

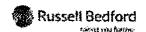
- * Identify and assess the risks of material misstatement of the financial statements, whether due to finand or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to previde a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as freed may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal central.
- Obtain an understanding of internal control relevant to the audit is order to design such procedures
  that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the
  effectiveness of the Company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may east significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the
  disclosures, and whether the financial statements represent the underlying transactions and events in
  a manner that achieves fair presentation.

We communicate with the Board of Directors regarding, among other matters, the planned scope and timing of the audit and significant audit findings, utcluding any significant deficiencies in internal control that we identify during our audit.

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# Russell Bedford Rahman Sarfaraz Rahim Iqbal Rafiq

CHARTERED ACCOUNTANTS

POTRO, 180, Block-A, S.M. C.H.C. Korschi-7-400, Proc. ISTAN.
Tel-200, 15021) 245403-B-7
B-Mail 1-2456/Statusmi Websiles were retrisore College of Language College College of Language College College of Language Processing

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### REPORT ON OTHER LEGAL AND REGULATORY REQUIREMENTS

Based on our mulit, we further report that in our opinion:

- n) proper books of account have been kept by the Company as required by the Companies Act, 2017 (XIX of 2017);
- b) the statement of financial position, the statement of profit or loss, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows together with the notes thereon have been drawn up in conformity with the Companies Act, 2017 (XIX of 2017) and are in agreement with the books of account and returns;
- investments made, expenditure insurred and guarantees extended during the year were for the purpose of the Company's business; and
- no Zakat was deductable at source under the Zakat and Ushr Ordinance, 1980 (XVIII of 1980).

The organization partner on the audit resulting in this independent auditor's report is Mr. Muhammad Wassent.

RAHMAN SARFARAZ RAHIM IQBAL RAYIQ Chartered Accountants

Karachi

Date: May 31, 2024

UDIN: AR202310213ner8wzxc2

A magalar of RESEART Bedford International A gladal expands of redeposites assertance finds. Instance introduces and recorded feet before

<b>DHA Energy Supply Compan</b>	y (Private) Limited
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### Statement of Financial Position

Statement of Pinanemi Postton Actor June 30, 2023			
· · · · · · · · · · · · · · · · · · ·		2023	2022
ASSETS	Sole	Rn	) <b>***</b>
Current assets			
Receivable from holding company	5	400,000	150,0XKI
Taxation - cet		1,967,812	4,077,981
Bank balances	б	17,651,189	15,801,415
Total assets	· · · · · · · · · · · · · · · · · · ·	22,920,001	20,029,396
EQUITY AND LIABILITIES			
Share capital and reserves			
Authorizest capital	The Man	190,000,000	140,600.000
faseed, subscribed and paid up capital	P Transmiss	10,090,000	10,000,000
Revenue reserve			
Unapprorprinted profits		5.815.406	1,846,381
	- Arma	15.815.406	13,846,381
Current liabilities			
Accrued Eabilities	s ſ	134,320	112,740
Payable to ultimuse pesent	9	6,070,275	6,070,275
	~~~	6,204,595	6,183,015
Contagencies and commitments	10	*	

The annexed notes from 1 to 18 form an integral part of these finencial statements.

Chart Executive

Musil udden

22,020,001

20,029,396

2 M

Total equity and liabilities

### Statement of Profit or Loss

For the year ended June 30, 2023

	Nove	202J Ruj	2022 pres
Administrative expenses	11	(85,970)	(83,075)
Other income	12	2,547,252	1,229,386
Profit before rexistion	٠.	2,461,282	1,146311
Taxasion	13	(492,256)	(240,725)
Profit after taxation		1,969,026	905,586

The annexed motes from 1 to 18 form on integral part of these financial statements.

Clief Executive

Director

Wandfulder

MIA	Energy	Sunnly	Company	(Private)	Limited
	1.110127	1245 (1231 Y	ALL CALLS IN THE STATE OF THE	I I I I I I I I I I I I I I I I I I I	A-ITIEFE CLI

### Statement of Comprehensive Income

For the year ended June 30, 2023

	2023 ——— Ruj	2622
Profit after toxation	1,969,026	905,586
Other comprehensive income	•	•
Total comprehensive income	1.969.026	905,586

The annexed mates from 1 to 18 form an integral part of these financial statements.

Chieffrettlive

Brush peldien



### Statement of Changes in Equity

For the year ended Jane 10, 2021

•		lssued. subscribed and paid-up capital	Unappropriated profits	Total
rivits		AN No Minimum, databash nar daran Astron dayanin na na panja		
(9)	Balance as of June 38, IDI	10,030,005	2,9411,795	12,940,795
en en en en en en en en en en en en en e	Total comprehensive income for the year ended June 30, 2022			
<b>€™</b>	<ul> <li>Profit after taxation</li> <li>Other comprehensive income</li> </ul>		905,586	905,586
Storale :	Bolunce as at June 30, 2022	03(1,003,03	3,846,381	13,846,381
***	Total comprehensive income for the year ended June 30, 2023			
\$ <b>*</b>	- Profit after taxation - Other comprehensive income	PER NEW ARRANGE PER NEW ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANGE AND ARRANG	1,969,026	1,969,026
***	Balance as at June 30, 2023	(0,000,000	5,815,406	15,815,406

The agreed notes from 1 to 18 form as integral part of these flouncial statements.



Bankuddon Director

# Statement of Cash Flows

For the year ended June 30, 2023

	2023	2022
Cash flows from Operating Activities	Rupe	And and administration of the latest
Profit before taxation	2.461,282	1,146,511
Working Capital Changes:		
Increase in receivable from holding company	(250,800)	(150,000)
Tucrease in accrued liabilities	21,580	62,580
	shinking 22 to have the property of the same	1,058,891
Income tux paid	(382,088)	(182,194)
Net cash from operating activities	1,850,774	876,697
Net change in cash and cash equivalents	1,850,774	376,697
Cash and cash equivalents at beginning of the year	15,801,415	14,924,718
Cash and cash equivalents at end of the year	17,652,189	15,801,415

The annexed notes from 1 to 18 form an integral part of these financial statements.

Chief Franctica

Brown jedden-

Notes to the Financial Statements For the year ended June 30, 2013

### 1. LEGAL STATUS AND NATURE OF BUSINESS

- 1.1 DHA Energy Supply Company (Private) Limited (the Company) was incorporated in Pukinan on March 02, 2017 as a private company limited by shares under the Companies Ordinance, 1984 (now Companies Act, 2017). The registered office of the Company is located at 3-B. East Street, Plase-1, DHA, Karachi, in the province of Sirch. The principal objectives of the Company are to every con the businesses of generating, purchasing, importing, transforming, converting, distributing, supplying, exporting and dealing is electricity and all other forms of energy and products or services associated therewith and of promoting the conservation and efficient use of electricity and to perform all other acts which are necessary or incidental to the business of electricity generation, transmission, distribution and supply.
- 1.2 The Company had applied for distribution license to supply electric power in DRA Karachi areas. K-Electric (KE) filed a sait in the Sinda High Court (SEC) against the Company, National Electric Power Regulatory Authoristy (NEPRA) and others challenging the same as KE had been granted "exclusive right" to generate and distribute electric power in that area, However, effective July 2023, the exclusive right of KE has been revoked and other entities are also allowed to supply electric power in Karachi. Therefore, the Company intends to take up its application filed earlier with NEPRA and expects that distribution license will be granted to the Company.
- 1.3 The Company is a wholly owned subsidiary of OHA Energy and Services (Private) Limited. The ultimate purent of the Company is Pakistan Defence Officers Housing Austremy.
- 1.4 These financial transmusts are presented as stand above three-cial statements.
- 2. BASIS OF PREPARATION
- 2.1 Statement of compliance

These financial statements have been prepared in accordance with the accounting and reporting standards as applicable in Pakistan. The accounting and reporting standards applicable in Pakistan trumprise of:

- International Fauncial Reporting Standards (IFRS) issued by the international Accounting Standards Board (IASB) as notified emier the Companies Act, 2017; and
- Provisions of and directives issued under the Companies Act, 2017.

Where provisions of seal directives issued under the Companies Act, 2017 differ from the IFRS, the provisions of and directives issued under the Companies Act, 2017 have been followed

### 3.2 Basis of measurement

These financial statements have been prepared under the bioderical cost provincion.

### 2.3 Functional and presentation currency

These flux-soid statements are presented to Pakistant Rupres, which is the Company's functional and presentation currency.

Dr. William

### 2.4 Critical accounting estimates and judgments

The preparation of the financial statements in conformity with approved accounting standards, as applicable in Pakistan, requires management to make entireness, assumptions and use judgment that affect the application of accounting policies and the reported amount of assets, liabilities, income and expenses. Entirates, assumptions and judgments are continually evaluated and use based on bisocrical experience and other factors thin are believed to be reasonable under the circumstances.

Exceptions to according estimates we recognized in the period in which the estimates are revised. There are no many where judgetness and commutes have been used in these financial systemance.

### 3. NEW ACCOUNTING PRONOUNCEMENTS

3.1 Amondments to published accounting and exporting standards which became effective during the year:

There were certain unreadments to the accounting and reporting standards which became mandatory for the Company during the year. However, the unreadments did not have any significant impact on the financial reporting of the Company and, therefore, have not been disclosed in these financial statements.

3.2 Amendments to published accounting and reporting stoodards that are not yet effection:

There are certain numeralments to the accounting and reporting standards that will be mandatory for the Company's absulal accounting periods beginning on or after July 1, 2023. However, these omendments will not have any significant impact on the fauncial reporting of the Company and, therefore, have not been disclosed in these fauncial numericans.

### 4. SIGNIFICANT ACCOUNTING POLICIES

The significant accounting policies applied in the preparation of these financial summents have been consistently applied to all the periods presented.

### 4.1 Provisions

Provisions are recognized when the Company has a present, legal or constructive obligation as a result of past event, it is probable that as conflew of resources embedying economic benefits will be required to settle the obligation and a reliable estimate of the muonst can be made. However, provisions are reviewed at each reporting data and adjusted to reflect the current best estimate.

### 4.7 Financial assets

### 4.2.1 Initial recognition, clamification and measurement

The Company recognizes a financial asset when and only when it becomes a party to the contractual provisions of the instrument evidencing investment. The Company classifies its timescal assets into either of following three entegeries:

- (a) figurated assets accounted at amortized cost;
- (b) Illemental assets or fair value through other comprehensive income (FVOCI); and
- (c) Entereial assets at fair value through profit or loss (FVTPL).
- tas. Financial exects measured to amoreized vert

A financial parci is measured at amortheed cost if it is bold within business model witness objective is to bold assets to collect communical costs flows, and its contractual terms give rise on specified dates to call flows that are solely payments of pracipal and interest on principal amorem outstanding.



Such financial maters are initially observed at fair value plas transaction costs that are directly attributable to the occuliation or issue thereof

### (b) Financial arrest at FVOCT

A financial anset is observed in at fair value through other comprehensive become when it is held within a husiness medici whose objective is achieved by both collecting contractual cash flows and setting financial assets and its contractual terms give rise on operated dutes to cash flows that are solely payments of principal and interest on the principal amount outstanding.

Sexts themseled useds are initially measured at full value plus trunsaction coast that are directly annihusable to the nequisition or issue thereof.

### tel. Financial aureis at FFTFt.

A flustical asset shall be measured as fair value through profit or loss unless it is measured at amortised cost or in fair value through other comprehensive income, as aforesaid. However, fair in investment in equity insurament which is not held for trading, the Company may make an irranocable election to present in other comprohensive income subsequent changes in the fair value of the investment.

Such financial assets are initially measured at fair value.

### 4.2.2 Subsequent measurement

### fall. Financial assert meanwal at amortized cust

Thrse bases are subsequently measured at innovized cost (desermined using the effective interest issued) less accommissed impairment issues.

interest / murkup tocome, foreign exchange gains and bisses and importment lesses urising thom such financial assess are recognized in profit or toss.

### (b) Financial assets at FIOCI

These are subsequently measured as fair value ters accumulated impairment towers.

A gain or loss on a financial asset measured at fair value through other comprehensive income in accordance is recognised in other comprehensive income, except to impairment gains or losses and foreign exchange gains and losses, until the financial asset is derecognised or reclassified. When the financial asset is derecognised the cumulative gain or loss proviously recognised in other comprehensive income is reclassified from equity to profit or loss as a reclassification adjustment. Interest is calculated using the effective interest method and is recognised in profit or loss.

### (c) Financial attent of FFTPL

These essets are subsequently measured at fair value.

Net gains or loaves arising from remeasurement of such financial assets as well as any interest income according thereon are recognized in the statement of profit or loss. However, for an investment in equity instrument which is not hold for tradies, and for which the Company has made an irremovable election to persent in other comprehensive income subsequent changes in the fair value of the investment, such gains or losses see recognized in other comprehensive income. Further, when such investment is disposed off, the canolistic gain or loss previously recognized in other comprehensive income is not reclassified from easily to profit or loss.

Darker

### 4.2.3 Impaicment

The Company recognises a tors altowards for expected credit bases in respect of fluorial arress mensured in

For trade receivables, the Company applies the IFRS 9 'Simplified Approach' to measuring expected creeks iosses which uses a fifetime expected less allowance.

For other financial assets, the Company applies the IFRS 9 'Control Approach' to measuring expected credit losses whereby the Company measures the loss allowance for a finescial instrument at an amount equal to the lifetime expected credit leases if the credit rish on that financial instrument has increased significantly since initial recognition. However, if, at the reporting date, the credit rick on a financial instrument has not increased significantly since initial recognition, the Company measures the loss allowance for that financial instrument of an amount equal to 12-month expected credit losses.

The Company measures expected credit losses on flumetal assets in a way that reflects an cobiased and probability-weighted amount, these value of manuty and reasonable and supportable information at the reporting date about the past events, current conditions and forecast of future economic conditions. The Company recognizes in profit or loss, as an impairment less, the amount of expected credit losses (or reversal) that is required to adjust the loss allowness at the reporting date.

Less allowances for financial assess measured at amortised cost are deducted from the gress carrying amount of tive gatetta

### 4.2.4 De-recognition

Flumeral nesets are derecognized when the rights to receive each flows from the financial mates have expired or have been transferred, and the Company has transferred substantially all risks and rewards of ownership.

### Financial liabilities

Financial liabilities are claraffed as measured at amortized coor or at fair value through profit or loss' (FV FPL). A financial listility is classified as at FVTP1, if it is classified as beid for trading, it is a derivative or it is designated as such on latial recognition. Financial liskillules at FVTPL are assessed at fair value and mix gains and losses, including any interest expense, are recognized in the statement of profit or lass and other comprehensive income.

Other familial liabilities are subarquently measured at amortized cost using the effective interest method. Interest expense and foreign exchange gains and lesses are recognized in the statement of profit or loss. Any gain or less on de-recognition is also recognized in the statement of profit or loss and other comprehensive income.

Financial liabilities are derecognised when obligation under the Hability is discharged, cancelled or expired.

### 4.4 Cash and eash equivalents

For the peopose of statement of each flows, each and each equivalents consprises infunces with brake.

Provision for extrem taxation is based on the twestle income for the period discremined in accordance with the prevailing law for taxation on income. The charge for oursest tex is calculated using applicable tax runs, based on the laws enacted or substantively enacted at the end of the reporting period.

4.6	Accreed expenses	
	These are carried at clear which is the fair value of the consideration to be services received, whether or not billed to the Cosepany.	paid in the limit for goods and
4.3	interest income	
	Interest success is account on a time propositionare basis, by reference to the applicable effective unrest rate.	principal outstanding and make
4.8	Foreign currency translation	
	Transactions in funding currencies are translated in Pakiston Russess using the dates of transaction, Memorary usuers and liabilities in foreign currencies are using the rates of exclusings at the reporting that. Exchange gains and losse currency transactions and translation of numbers assets and liabilities denoming	: translated into Pekistan Rupees is from the settlement of foreign
	reporting date are included in naturnent of profit or less account.	
4.9	Offsetting funncial assets and financial liabilities	
	A fleasocial asset send a financial hability is offset and the net amount is repur- position, if the Company has a legally enforceable right to set off, and also into or to realize the asset and settle the flubility shouldenounchy.	
4.10	Berrowings and Inventoring tooks	
	Homewings are recognised initially at fair value rat of termaction costs, an union the officiary innerest method. Domowings payable within occur twelve liability. Becausing costs are recognized as an expense in the period in which such costs are directly stributable to the acquisition, construction or production occurs are capitalized as part of the cost of that next.	months are classified as current they are incurred except where
8.	using the officeive interest method. Detrowings payable within occa twelve liability. Elementing cases are recognized as an expense in the period in which such costs are directly stributable to the acquisition, construction or producti	months are classified as current they are incurred except where
民	using the effective interest method. Destroyings payable within new twelve liability. Betweening cases are recognized as an expose in the period in which such costs are directly stributable to the acquisition, construction or production of costs are capitalized as part of the cost of that much.	months are classified as current a flay are incarred except where on of a qualifying asset in which
\$.	using the effective interest method. Borrowings payable within near twolve liability. Borrowing cases are recognized as an exposes in the period in which such costs are directly surficulable to the acquisition, construction or production costs are capitalized as part of the cest of that much.  RECEIVABLE FROM HOLDING COMPANY  This represents amount due from DBIA Energy and Services (Private) Line	months are classified as current a flay are incarred except where on of a qualifying asset in which
\$. £.	using the effective interest method. Borrowings payable within near twolve liability. Borrowing cases are recognized as an exposes in the period in which such costs are directly surficulable to the acquisition, construction or production costs are capitalized as part of the cest of that much.  RECEIVABLE FROM HOLDING COMPANY  This represents amount due from DBIA Energy and Services (Private) Line	months are classified as current a flay are incorred except where on of a qualifying asset in which tited (the Holding Company) in
·	using the effective interest method. Borrowings payable within near twolve liability. Borrowing cases are recognized as an expose in the period in which such costs are directly surfoutable to the acquisition, construction or product such costs are capitalized as part of the cest of that arect.  RECEIVABLE PROM HOLDING COMPANY  This represents supposed that from DNA Energy and Services (Private) Linguistics of fields transferred to them.	moralis are classified as current a they are incorred except where on of a qualifying asset in which titled (the Holding Company) in 2023
	using the effective interest method. Borrowings payable within near two-be liability. Borrowing cases are recognized as an expense in the period in which such costs are directly stationable to the acquisition, construction or production of costs are capitalized as part of the cest of that used.  RECEIVABLE FROM HOLDING COMPANY  This represents standard due from DDIA Energy and Services (Private) Lin respect of fields transferred to them.  BANK BALANCES  Note	morths are classified as current a tiey are incarred except ethers on of a qualifying asset in which tited (the Holding Company) in 2023 2022
€.	using the effective interest method. Borrowings payable within ocar two-be liability. Borrowing cases are recognized as an expense in the period in which such costs are directly stationable to the acquisition, construction or production of costs are capitalized as part of the cast of that used.  RECEIVABLE FROM HOLDING COMPANY  This represents standard due from DBIA Energy and Services (Private) Lin respect of fields transferred to them.  BANK BALANCES  Note  Cash at bank - saving account	morths are classified as current a tiey are incarred except ethers on of a qualifying asset in which tited (the Holding Company) in 2023 2022
€.	using the effective interest method. Borrowings payable within occur twelve liability. Borrowing costs are recognized as an expense in the period in which such costs are directly stributable to the acquisition, construction or product such costs are capitalized as part of the cost of that muct.  RECEIVABLE FROM HOLDING COMPANY  This represents smooth due from DNA Energy and Services (Private) Lin respect of finals transferred to them.  BANK BALANCES  Anne  Cash at bank - saving account  It entries shows at on assurage rate of 14.5% (2022: 9.75%) per sentare.  SHARE CAPITAL	moraths are classified as current a stay are incorred except exhaust on of a qualifying asset in which cited (the Holding Company) in 2023 2022  Ruspres 17.652.180 15.301.415
€.	using the effective interest method. Borrowings payable within ocar two-be liability. Borrowing cases are recognized as an exposee in the period in which such costs are directly surfoutable to the acquisition, construction or production occurs are capitalized as part of the crist of that asset.  RECEIVABLE PROM HOLDING COMPANY  This represents smoont due from DNA Energy and Services (Private) Lin respect of fixeds transferred to them.  BANK BALANCES  Note  Cash at bank - saving account  It carries somest at an average rate of 14.5% (2022: 9.75%) per assume.  SHARE CAPITAL	morths are classified as current a they are incorred except exhere on of a qualifying asset in which which the Holding Company) in 2023 2022  Ruspers 17.652.180 15.301.415
€.	using the effective interest method. Borrowings payable within ocar twolve liability. Borrowing costs are recognized as an exposes in the period in which such costs are directly surfoutable to the acquisition, construction or product such costs are capitalized as part of the crist of that arect.  RECEIVABLE PROM HOLDING COMPANY  This represents smoont due from DNA Energy and Services (Private) Lin respect of fields transferred to them.  BANK BALANCES  Anne  Cach at bank - saving account  It carries solutest at on average rate of 14.5% (2022: 9.75%) per semiure.  SHARE CAPITAL.  2023  2022  Number of them's	moraths are classified as current a stay are incorred except exhaust on of a qualifying asset in which cited (the Holding Company) in 2023 2022  Ruspres 17.652.180 15.301.415
€.	using the effective interest method. Borrowings payable within near twolve liability. Borrowing costs are recognized as an exposes in the period in which such costs are directly stationable to the acquisition, construction or production of costs are capitalized as part of the cost of that area.  RECEIVABLE FROM HOLDING COMPANY  This represents standard due from DNA Energy and Services (Private) Lin respect of fields transferred to them.  BANK BALANCES  Anne  Cash at bank - saving account  It carries interest at an average rate of 14.5% (2022; 9.75%) per semium.  SHARE CAPITAL  2023  2022  Number of thems.	moraths are classified as current a stay are incorred except where on of a qualifying asset in which tited (the Holding Company) in 2023 2022  Ruspers 17,652,180 15,301,415

T_1				
7-1				
	The Curapany has one class of ordering shares which emailed to one visco per share as needings of the Compa- residual users.			
7.2	As at June 30, 2023, all shares of the Company were be blooking Company).	seld by DHA Energy an	d Services (Privat	s) Limited (the
			2023	2032
		Nete	Rupces	
8.	ACCRUED LIABILITIES			
	Andit foot		t06,200	\$2,500
	Professional fee		25,000	27,500
	Withholding sides easy payable		3,130 133,320	2,640 112,340
		•		
9,	PAYABLE TO ULTIMATE PARENT			
	Expenses incurred on behalf of the Company	<b>Q.</b> 7	6,076,275	6,070,375
9.1	These amounts were point by the aftirnou parent to the	veeders to support work	ice (sedu).	
10.	CONTINUENCIES AND COMMITMENTS			
	There were no contingencies and commitments outstan	ding as et June 314, 2025	(2022: as disclose	d in note 1.2)
			2023	2022
11,	a randoniario espenti espetatoriarios	Neste	Rope	***************************************
J.1x	ADMINISTRATIVE EXPENSES			
	Professional charges		1.5,000	27,500
	Auditors' remuneration	11.1	\$9,000	47,200
	Fees and subscription		11,970	8,375
		,	85,970	\$3,075
11.1	Auditors' remaneration			
			2 4 2 5 5 4	17 MAN
	Audit fees		\$4,000	43,200
	Out of packet espenses	,	5,000 59,000	4,000 47,000
			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
12.	OTHER INCOME		•	
	Increes to savings accutal		2,547,253	1,214,626
			<b>3</b> "	
	Ceher income	•	÷ 647 185	14,760
	Other income		2,547,252	14,760 1,229,386
13.	Other income TAXATION		1 C43 7 8 2	
13.			1,647,152 492,256	
13. <i>Pap</i>	TAXATION			1.229.386

***							
	14,	TRANSACTIONS WITH RELATED PARTIES					
parties.		Related parties of the Company comprise of parent entity, companies end- personnel and directors (as well as their close family members). Detail related parties, except as disclosed elsewhere in the financial statements are	ls of transactions an	kay manager <del>oka</del> d balances with			
,1		Relationship with					
190.4		Name of Related Party the Company Neture of transaction	t				
<del></del> 1			2023 Rup	2022			
*			•				
Lead		DHA Finergy and Services Holding company Funds transferred (Private) Limited	400,000	150,000			
• •							
OPT)			2023	2022			
***	15.	FINANCIAL INSTRUMENTS	Rup	è62			
1464	15.J	Financial instruments by category					
		Financial assets measured or amornized cost					
Print)		Dessinghis from halding paragray	480 600	1.55 OND			
		Receivable from holding company Bank balances	400,000 17,652,189	150,000 15,801,415			
-			18,052,189	15,951,415			
		Financial Habilities measured at ameritzed cost					
<del>jec</del> .		Accraed liabilities	131,200	1.10,100			
		Payable to ultimate parent	6,070,275	6,070,275			
yes,	15.2	Financial risk analysis	6,201,475	6,130,375			
		The Common has a second to the Edward State of the Common to the Edward State of the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the Common to the C	•				
tan.		The Company has exposure to the following risks from financial instrument	3.5				
		- Market risk					
- juni		- Credit risk - Liquidity risk					
ene/		This note presents information about the nature and extent of risk to white from financial instruments and the risk management framework of the Com-		gnizira "bseoqza			
_	15.2.1	Market risk					
		Market risk is the risk that the value of the financial instrument may fluch interest rates, foreign exchange rates or the equity prices due to a change	in credit reting of t	he issuer or the			
femil		Instrument, change in market sectionents, speculative activities, supply and the market. Market risk comprises of three types of risk: currency risk, inter					
		• • • • • • • • • • • • • • • • • • • •					
<u> </u>	çis	Currency risk					
<b>.</b> .	(1)						
in put		Currency risk is the risk that the fair value or future cash flows of a financ of changes in foreign exchange rates. The Company's expansive to the risk					
		relates primarily to the Company's operating artivities (when revenue or ex	pense sæ denominst	ed in a different			
ineral .		currency from the Company's functional currency). As at June 30, 207 currency risk.	13 the Company is	not exposed to			
	ne	in the second second					
_{rem}	(January)	•					

### (fi) Interest rate risk

Interest 1236 175k is the risk that the fair value or flature cash flows of a financial instrument will fluctuate because of changes in market interest rates. The Company's interest rate risk arises from saving account with bank amounting to Rs.17.65 million. The effect of changes in interest rates is not considered to have a material effect on the Enancial statements.

### (ili) Other price risk

Price risk is the risk that the fair value or future cash flows of a financial instrument will finducise because of changes in market prices (wher than those arising from interest rate risk or correscy risk), whether those changes are caused by factors specific to the hollvidual financial instrument or its issuer, or factors affecting all similar financial instruments traded in the market. As at June 30, 2023, the Company is not exposed to price

### 15.22 Credit risk and concentration of credit risk

Credit risk is the risk that one party to a financial instrument will fail to discharge an obligation and cause the other party to incur a financial loss, without taking into account the fair value of any callateral. Concentration of credit sisk arises when a number of counter parties are engaged in similar business activities or have similar economic features that would cause their ability to meet contraction obligations to be similarly affected by changes in economic, polisical or other conditions. Concentration of cradit risk indicates the relative sensitivity of the Company's performance to developments affecting a particular industry. As 21 June 30, 2023, the financial assets which are subject to credit risk amounted to Rs. 17.65 million which constitute bank balances.

The Company is exposed to credit risk on deposits with bank. The credit risk on liquid funds is limited because the counter party is back with reasonably high credit ratings i.e. A-2 in short term and A- for long term.

### 15.2.3 Liquidity risk

Liquidity risk represents the risk that the Company will encounter difficulties in meeting obligations associated with financial liabilities that are souled by delivering cosh or mother financial asset.

The table below summarizes the maturity profile of the Company's financial liabilities based on contractual undiscounted payments.

	Within tops	1 to 5 years	"Fotal.		
	- Itispica				
June 30, 2023					
Payable to ultimese parent	6,070,275	:*	4,070,275		
Angrued limbilities	131,200	- ME	131,200		
	6,201,475	Andrew Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of th	6,201,475		
June 30, 2022					
Payable to ultimate puretti	6.070,275	•	6,070,273		
Account Unblicies	310,300	-	110,100		
	6,180,375	No. of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the last state of the l	6,180,375		

### 15.2.4 Risk management policies

Since the Company has not commerced its operations, it has not yet formulated its formal cisk management policies.

### 15.3.5 Capital management

The Company's objectives when managing capital are to safeguard the Company's ability to continue as a going concern in order to provide adequate returns to stratchesclers, benefit to other stakeholders and to maintain an optimal capital structure to reduce the cost of capital. The Company is not subject to any externally imposed capital requirements.

### FAIR VALUE OF FINANCIAL ASSETS AND FINANCIAL LIABILITIES IĠ.

Fair value is the amount for which an asser could be evaluaged, or a liability sented, between knowledgeable willing pasties in an arm's length nanoscrien other than in a forcest or liquidation sale,

The carrying values of all financial assets and habitates reflected in the financial statements approximate their fair values.

### Fair value bierarchy

The following table provides an analysis of financial maximum and the measured subsequent to initial troogration at fife value, grouped into Levels 1 to 3 based on the degree to which the fair value is observable.

- Level 1: this value measurements are those derived from quartel priors (madjusted) in active markets for electical assets or liabilities.
- Level 2: fair value measurements are three derived from inputs other than apoind prices melanted within Level I that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices).
- Level 3: fair value measurements are those derived from valuation techniques that include inputs for the asset or liability that are out based on observable market data (unabservable inpats).

As at reporting date, the Company does red hold any financial instruments which have been caused at fair values

### 37, DATE OF AUTHORISATION FOR ISSUE

These financial sestements were authorised for issue by the floore of Directors of the Company on 16 may 2-24

- 13. GENERAL
- 18.1 Figures have been rounded all to the neurost Ropee.
- There was no person in the employment of the Company. The affairs of the Company are managed through the 18.3 staff of ultimate places.

Namb judden

# ANNEX - C-4

# EXPRESSIONS OF INTEREST TO PROVIDE CREDIT OR FINANCING ALONG WITH SOURCES AND DETAILS THEREOF

The expressions of interest to provide credit or financing along with the sources and details thereof are appended herein below.

### Item No. 9

# **Expressions of Interest To Provide Credit or Financing Along With** Sources And Details Thereof



29 August 2024

DHA Energy Supply Company (Private) Limited ("DESCO") 2-B East Street, Phase 1 DHA Karachi

Expression of Interest for financing DESCO

This is with reference to our various discussions with respect to above captioned subject, based on which we are given to understand that:

- DHA Karachi has established two energy companies namely DHA Energy and Services (Pvt) Ltd which serves as the parent organization for the DHA City energy project and will provide management expertise and financial support for the success of its project, while DHA Energy Supply Co. (Pyt) Ltd (DESCO) is responsible for the operational aspects, i.e. energy procurement. metering, billing, maintenance & customer support for DHA City project residents.
- It is our understanding that DESCO company's scope includes responsibility for distribution, purchase, sale and supply of electricity to consumers and will manage energy procurement, metering, billing, maintenance and customer support while adhering to relevant regulations.
- Further work is currently being done in order to finalize the DESCO structure and it is envisaged that potentially financing of up to PKR 4 billion will be required for the purposes of its future development, construction and commission of the DESCO
- The subject project is anticipated be funded in a debt to equity structure of 70:30

In this connection, we would like to inform you that United Bank Limited ("UBL") would be interested in assuming a participation and arrangement role in relation to debt arrangement subject to our satisfactory due diligence of the DESCO's project.

Please note that this expression of interest ("Eof") is based on our best assessment of the transaction, given the currently available information and may not be construed as a commitment on the part of UBL or any of its subsidiarles or affillates, to either advise or arrange the required financing at this time. Our final decision to advise on and/or arrange the required debt will, among other things, be subject to: a) satisfactory due-diligence of your requirements, including but not limited to financial and legal/documentary due-diligence, b) satisfactory feasibility and bankability of the transaction, including without limitation compliance with the financial covenants that may be imposed on the Transaction, c) final security structure, sponsor support, and coverage ratios, and d) formal internal credit approvals of the participating institutions.

We look forward to working with you on this interesting venture.

Sincerely,

Mishal Quadri Head DCM & Syndications

GE - Corporate & Investment Banking Group

United Bank Limited URL Head Cillico, F.I. Catandrigue Resear Knowchi, Polisitan 🛂 111-025-888 🖾 vavvi saldigitationen 🐉 CBL Umbediamitiko

Nadla Tabassum





# Pakistan Defence Officers Housing Authority

*In reply, please quote:* DHA/S&F/2024

Date: 12 Sep 2024

To:

National Electric Power Regulatory Authority

NEPRA Tower

Opposite to Federal Flood Commission

East, Ataturk Ave, G-5 / 1 G-5,

Islamabad

Subject:

Supply and Distribution License for DHA City's Energy Project

1. We are pleased to provide you with an overview of the ongoing initiatives by Defense Housing Authority Karachi (DHAK) and DHA City (DHAC) concerning the development of energy infrastructure for DHA City, located on M9 in Karachi.

### 2. Background

- a. <u>Defense Housing Authority Karachi (DHAK)</u>. Established under Presidential Order No. 7 of 1980, DHAK is one of the three Real Estate entities tasked with overseeing real estate and infrastructure development in Karachi.
- b. **DHA City (DHAC)**. As a prominent project under DHAK, DHAC focuses on the development of infrastructure and essential services for DHA City, which is strategically situated on M9 in Karachi.
- 3. **Energy Infrastructure Development**. To support the growth and development of DHA City, DESCO shall submit an application to the National Electric Power Regulatory Authority (NEPRA) for a supply and distribution license. This license will facilitate the provision of electricity to residents of DHA City.

### 4. Energy Companies

- a. **DHA Energy and Services (Pvt) Ltd (HOLDCO)**. HOLDCO serves as the parent organization for the DHA City energy project, providing essential management expertise and financial support to ensure the project's success.
- b. **DHA Energy Supply Co. (Pvt) Ltd (DESCO)**. DESCO is responsible for the distribution and supply of electricity as a supplier of last resort in DHA City.
- 5. **Strategic Importance**. The establishment of these energy companies reflects our commitment to delivering reliable and efficient electricity services, which are critical to the development and appeal of DHA City. By seeking the necessary regulatory approvals and implementing a robust operational framework, DHAK and DHAC aim to enhance the quality of living for our residents and DHAK will provide management expertise and financial support to DHAC and DESCO for the success of its project.

Asim Ali,

Secretary
Pakistan Defence Officers Housing Authority
Karachi



October 10th, 2024

402 Progressive Center Sharah-e-Faisal, Karachi, Pakistan.

Phone +92 21 34322551-3 Web +www.uhy-hnco.com

The Client,

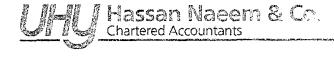
Barrister Faisal Malik Chief Strategy and Finance Officer Defense Housing Authority (DHA) Karachi.

### <u>Limited Assurance Report Relating to Electrification charges</u>

This is with reference to our engagement on verification of electrification charges, as agreed, I enclosed our report based on the summary expenditure report provided by the management of DHA City.

Regards,

Imran'iqbal Senior Partner



402 Progressive Center Sharah-e-Faisal. Karachi, Pakistan,

Phone

+92 21 34322551-3 www.uhy-hnco.com

LIMITED ASSURANCE REPORT TO THE MANAGEMENT OF DEFENCE HOUSING AUTHORITY, KARACHI.

### Introduction and scope

We have been engaged to perform a limited assurance engagement on verification of Rs.3.497 billion electrical infrastructure expenditure incurred by Defence Housing Authority, Karachi at its DHA City Project premises from year 2015 to year 2024.

### Management's responsibility

Management is responsible for the preparation of summarized expenditure report of Rs.3.497 billion incurred on development of electrical infrastructure within DHA City Project premises during 2015 to 2024 (expenditure report). The responsibility of the management includes selection and application of appropriate methods to prepare the report and use of assumptions and estimates which are reasonable under given circumstances. Furthermore, this responsibility includes designing, implementing and maintaining systems and process relevant for preparation of the expenditure report in a manner that is free from material misstatements.

### Auditor's responsibility and assurance standards

'Our responsibility is to carry out an assurance engagement on summarized expenditure report and to express an opinion with limited assurance based on the assurance procedures performed.

We conducted our engagement in accordance with the International Standard for Assurance Engagements (ISAE) 3000: "Assurance Engagements other than Audits or Reviews of Historical Financial Information", issued by the International Auditing and Assurance Standards Board. Amongst others, this standard requires that the members of our assurance team have appropriate knowledge, skills and professional qualifications to understand and evaluate the key performance indicators, and that we comply with the requirements of IFAC Code of Ethics for Professional Accountants to ensure our independence.

According to ISAE 3000 we have to plan and perform the assurance engagement to obtain limited assurance of whether any matters have come to our attention that cause us to believe that the Summarized Expenditure Report has not been prepared in all material respects and in accordance with acceptable reporting framework.

The procedure performed in a limited assurance engagement vary in nature and timing from and are less in extent than for a reasonable assurance engagement; and consequently the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

This assurance engagement is limited primarily to review the occurrence, accuracy, completeness and existence of the expenditure incurred by the Defence Housing Authority Karachi with respect to electrification works carried out within the DHA City Project Premises Karachi.



Within the scope of our engagement, we performed amongst others the following procedures:

- Inspecting the contractor's agreement;
- Review of supporting documents;
- Review of approvals of payments
- Tracing the payments through bank statement.

### Conclusion

Based on the procedures performed and evidences obtained, nothing has come to our attention that causes us to believe that the summarized expenditure report is not prepared, in all material respects, in accordance with acceptable reporting framework.

### Restriction of Use

This limited assurance report is issued for the purposes of National Electric Power Regulatory Authority (NEPRA) and should not be utilized for any other purpose.

Date: 10th October, 2024

Karachi

Chartered Accountant Engagement Partner: Imran Iqbal

# Electrification Charges Defence Housing Authority Karachi at its DHA CITY Premises From 2015 to date

	SUMMARY EXPENDITURE REPORT		
S.No.	Description	Amount	Details
1	Summary of Payments -A	3,014,363,152	Wi
2	Summary of Payables - B	483,438,092	W2
3	Summary of Expenditure Incurred A+8	3,497,801,244	W3
Wi			
	SUMMARY OF PAYMENTS		
S.No.	Description	Amount	Details
	Payments		
1	Contract Agreement Concluded by D&C Dte (Electrical Works)	1,642,317,355	Annex-A
	Contract Agreement Concluded by DHAC (Electrical Works)	248,968,546	Annex-B
3	Procurement Purchase Orders	1,109,291,934	Annex-C
4	Remaining Contract Agreement Contracts	13,785,317	Annex-D
	Total Payment till to date	3,014,363,152	
W2	SUMMARY OF PAYABLE	**************************************	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
5.No.	Description Payables	Amount	Details
5	CA concluded by D&C Dte (Electrical Works)	391,055,018	Annex-A
·	CA concluded by DHAC (Electrical Works)	84,201,824	Annex-B
	Procurement Purchase Orders	07,202,017	701107.0
	Remaining Contract Agreement Contracts	8,181,250	Annex-D
	Total Payable till to date	483,438,092	TOTAL D
ws		and a manage of the second second second second second second second second second second second second second	**************************************
	EXPENDITURE REPORT	The state of the second state of the second state of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	<del></del>
S.No.	Description	Amount	Details
1	Contract Agreement Concluded by D&C Dte (Electrical Works)	2,033,372,373	Annex-A
2	Contract Agreement Concluded by DHAC (Electrical Works) .	333,170,370	Annex-B
3	Procurement Purchase Orders	1,109,291,934	Annex-C
4	Remaining Contract Agreement Contracts	21,966,567	Annex-D
	Total Value of Contracts	3,497,801,244	

Prepared by the Management of Defence Housing A whority Karachi.

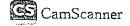
Approved By

Haseeb Hafeezuddeen

Chief FinanceOfficer

Defence Housing Authority City (DHAC)

Paisal Imran Hussun Malik, PCA Chief Strategy & Finance Officer DHA Karachi

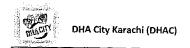


## ANNEX - C-5

## **DOCUMENTS DESCRIBING THE NET WORTH AND THE EQUITY AND DEBT RATIOS**

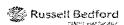
Document describing the net worth and the equity and debt ratio of DESCO is appended herein below.

Furthermore, please refer to DESCO's audited financial statements appended herewith as **Annex** A-3.



## Item No. 10

## Documents Describing The Net Worth And The Equity And Debt Ratios of The Applicant, As on The Date Of The Audited Balance **Sheet Accompanying The Application**



Rahman Sarfaraz Rahim Iqbal Rafiq

CHARTERED ACCOUNTANTS

Piss Nn. 185, Block-A, S.M.C.H.S. Karachi/74400, PAKISTAN. Tn. No.1(021) 26548345-7 E-Mas anti-Grain com Website: www.rsns.com Other Offices at Labore - Rawapirof / Islamabed

December 11, 2023

DHA Energy Supply Company (Private) Limited 2-D. East Street. Phose-I. DHA Katachi

#### DHA ENERGY SUPPLY COMPANY (PRIVATE) LIMITED

We refer to your caudi dated November 29, 2023 wherein you have requested us to provide us with certain relios in respect of financial statements of the captioned Company for the year ended June 30, 2022. In this connection, we are pleased to present these ratios based on the financial information for the year then ended:

Net worth / Tangible Net worth

Rs. 13,846,381

Shareholder equity ratio

6936

Return on equity Debt ratio

3.0%

Debt - equity ratio

44%

This letter has been issued only at the request of Company's management without any risk and responsibility on our part, for their internal purpose, and is not to be used for any other purpose.

Yours truly,

Rateman Charles RAHMAN SARFARAZ RAHIM IQUAL RAFIQ

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## ANNEX - C-6

# PROFILE OF COMPANY, ITS MANAGEMENT STAFF AND ITS MEMBERS IN THE ELECTRICITY INDUSTRY

DHA Karachi is the primary sponsor of DESCO and is taking the lead in this project. DHA Karachi's profile is appended herein below along with the teaser of the DHA City project.

#### Item No. 1

## **Prospectus**

## INTRODUCTION TO DEFENCE HOUSING AUTHORITY CITY (DHAC) KARACHI

Defence Officers' Housing Authority intends to develop its mega housing scheme DHAC Karachi on national and international standards, which would be a smart, resident friendly and have a mixed use energy resources along with development of all amenities / public facilities required for a sustainable city.

DHAC, Karachi is towards the North East of Karachi and is accessed by Karachi - Hyderabad Super Highway M-9. DHAC Karachi is situated about 55 km from the Karachi city centre, 26 km from the Karachi Toll Plaza and about 112 km from Hyderabad.

DHAC Karachi spreads over an area of 22,446 acres with categorized DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC South Extension (902 acres). It has an uneven rocky terrain in the Northeast (NE) and Southeast (SE) region whereas Southwest (SW) and Northwest (NW) are mostly plain and even regions. The DHAC South is planned and is divided into 16 sectors as residential/commercial and a Central Business District (CBD) as a main commercial hub. The sectors are generally further sub-divided into four residential subsectors. Planning of DHAC (South Extension) and DHAC (North) is under planning being done by consultants.

### **INFRASTRUCTURE & AMENITIES**

DHAC Karachi is planned to have world class amenities commensurate to the need of modern living. Special areas are earmarked for universities, schools, hospitals, market, banks, community centers, leisure clubs, playground and Golf Course etc. Freedom of religious actives by various religion/sects/cultures have been judiciously planned by allocating land as Place of worship for different communities residing in DHAC.

Amusement parks, theme parks in the area will become land mark for recognition of DHAC. These parks are planned and being developed by dovetailing profile of the area, high grounds mountainous range in the north-east to give scenic view.

DHAC stands out as a housing scheme that is unparalleled in many respects, offering a wide array of amenities to its residents. The infrastructure is meticulously planned, featuring an extensive network of major and minor roads complemented by well-maintained footpaths, ornamental plants, and aesthetically pleasing streetlights. This thoughtful design extends to beautifully landscaped playgrounds and parks, as well as a comprehensive range of sports facilities, including an international standard golf course, all of which contribute to the scheme's appeal.

### ALTERNATE/RENEWABLE ENERGY

Alternate energy arrangements solar energy in addition to conventional energy source etc is placed, in addition has excellent wind corridor and accordingly this is being utilized in planning of wind mills to cater for electricity requirement. Prospective residents will be encouraged to place solar energy system to have energy conservation and greenhouse effect.

#### **BUSINESS OPPORTUNITY**

Like other DHA Projects, DHAC has an enormous business environment that will improve the livability with economic opportunities and activities. This takes strength as ARY Laguna a massive business project is launched at DHAC, with more other projects to come.

DHAC is located on Super Highway and can be easily approached by different directions.

DHAC will have all facilities of a modern city of present and future era.

### SALIENT FEATURES OF THE FACILITY

#### **OVERVIEW OF DHAC ELECTRICAL DISTRIBUTION DESIGN:**

Design of the Electrical Distribution Network for DHAC is a very important task of the project. Analysis of the latest technologies, current industry standards, local field practices and availability of skilled Human Resource have been done with a view of current and future requirements of DHAC residential and commercial users. Electrical network design layout of DHAC is based on n-1 contingency employing state of art equipment and corresponding to NEPRA standards for safe and reliable system.

The DHAC has a vision to build an urban city with adaption of new technologies. Distinctly it has to be a part of global smart cities family, which integrates various technical trends into a single place to facilitate best options to the local residents as well as business community.

Page - 2

### **Utility Services**

In alignment with global best practices, all utility services are installed underground, ensuring a clean and organized environment. The housing scheme is planned to be equipped with its own grid stations, a dedicated telephone exchange, ICT availability/options and a reliable natural gas network, water supply, providing uninterrupted services to the community.

#### **Generation & Distribution**

DHAC being developed over a long term strategy, hence to meet the short term power demand, power dispersal in DHAC is planned to be through medium voltage distribution system built inside DHAC. It is an 11kV Integrated Distribution System (IDS) with solar and wind power and small generating sets. With the DHAC own existing generation capacity of 1.5 MW solar and 1.6 MW diesel-sets, DHAC has acquired 5 MW, 2 x 11kV dedicated feeders sponsored by DHAC from Lucky Cement through KE, thus making a total capacity of approx. 8 MW.

The mid-term and ultimate load requirement of power within DHAC is proposed through 132/11kV grid stations spread over area as per load centers, and shall be established in different sectors of DHAC, the development of 132/11kV grid stations shall be carried out as per actual load growth.

#### Social and Recreational Facilities

DHAC also prioritizes the social and recreational needs of its residents by offering a variety of facilities such as a community center, wedding halls, clubs, and comprehensive educational and healthcare services. These amenities collectively enhance the quality of life and living standards within the community.

#### **Environmental Sustainability**

Environmental sustainability is another key focus, managed by a dedicated horticulture department that ensures the green spaces are well-preserved. The scheme also incorporates advanced wastewater treatment plants and has implemented modern methods for the collection and disposal of solid waste, reflecting a commitment to environmental responsibility and the well-being of its residents.

### **Corporate Social Responsibility**

In addition to its residential and environmental features, DHAC demonstrates a strong commitment to corporate social responsibility (CSR). Within DHAC, significant efforts are made to uplift surrounding rural areas, including initiatives to improve educational opportunities. These life-changing efforts aim to empower local communities through education and skills development, creating a positive impact beyond the housing scheme itself.

#### **Expansion and Manpower Development**

As part of its expansion and modernization efforts, after establishing a distribution company, which would not only enhance service delivery but also would contribute to local economic growth. The current manpower strength of DHAC stands at [current manpower number], and with ongoing projects and future developments, it is projected that approximately [future manpower number] additional personnel will be required to meet the growing demands of this dynamic community.

#### K-4 Project and Business Opportunities

The ongoing K-4 project, aimed at addressing Karachi's water supply issues, will not only provide vital resources to DHAC but also create significant business opportunities. Upon completion, it is expected to spur commercial growth and attract investments, benefiting the entire region.

#### Improved Accessibility via Malir Expressway

The completion of the Malir Expressway is set to revolutionize connectivity to DHAC. This major infrastructure development will significantly reduce travel time, making DHAC more accessible and, in turn, boosting its attractiveness for both residents and investors. The enhanced access is anticipated to drive further economic activity, making DHAC a central hub for future growth.

#### **Community and Social Impact**

These combined efforts underline DHAC's dedication to creating a self-sustaining, vibrant community that not only offers a high standard of living but also contributes positively to the broader society.

OSMAINI RIAA Barker Gillete EY Ford Rhodes Prospectus

#### PROPOSED INVESTMENT

DHAC will arrange the entire financing requirement of the Project for developing the power distribution and supply infrastructure. Furthermore, the following strategic investments avenues can be explored:

- i. **Equity from DHAC**: The significant source of capital for distribution and supply infrastructure will be through equity injection by the parent company DHA Karachi. The funds will be utilized in procuring the power distribution and supply assets.
- ii. **Bank Loans**: The other source of funding the distribution and supply infrastructure will be through bank financing. These loans will be obtained to acquire the distribution and supply assets
- iii. Revenue from the Sale of Plots: One of the keystone streams of funding comes through sales of plots. The resulting capital shall be allocated for power distribution and supply infrastructure along with sustenance of these assets.
- iv. Revenue from Power Supply Operations: Once the power distribution and supply network are functional, the resultant income from supplying electricity to residents and commercial entities within the DHAC can be reinvested into the system. This may cover maintenance and further expansion or upgrading of the existing infrastructure.



## SOCIAL AND ENVIRONMENTAL IMPACT OF THE PROPOSED FACILITY OR SYSTEM

The Pakistan environmental protection Act, 1997 requires proponents of all projects involving any change in the environment, to submit an environmental impact assessment (EIA) report to the **Sindh Environmental Protection Agency (SEPA)**. According to the environmental assessment procedure, Oct 1997, Schedule-II, Section H (1), Land use studies and urban plans (Large cities) projects require an EIA. Therefore an EIA was prepared for the proposed DHAC Karachi Housing project and approved by SEPA.

The sociological and demographic distinctiveness of the residence and the present city dynamics of Karachi urges for a city with the elements which fulfill the needs of the people and fits on the expectations of the buyers. As depicted in **Table 1-1** both sociological needs and international students are well taken care of in the DHAC planning. More specifically, it is based on the following principles: i.e. the quality of infrastructure, safety, proximity and accessibility, quality environment and sustainability.

Table 1-1: Residential Needs and Aspirations based on Sociological Needs.

Residential Needs and Aspirations	Vision for Master Planning
Quality Infrastructure	Planning design and implementation of infrastructure on the international Standards. Emphasis on Energy and water needs of the city.
Safety and Peace of Mind	All safety features have been incorporated through planning and information technology interventions.
Proximity	Integrated facilities of work, schooling, shopping, and recreation and community activities in close proximity. This has been planned following a hierarchical structure.
Environment	Using international vision plus local experience to provide a beautiful living environment and highest quality of life in Pakistan.
Efficiency and Sustainability	The most energy efficient and sustainable superb of Pakistan with efficient Pedestrian, Cycling, Road Waste system and Alternate energy Solutions.

DHAC as an ecologically green city, which offers its buyers an opportunity for housing, commerce and leisure. These amenities are planned by keeping a vision of the buyers and by adopting international standards.

DHAC spans over a large area. There are some pre-existing communities/goths of local living on the land.

Besides these goths few isolated hamlets of nomads were also found. The biggest settlement found in DHAC is Goth Allah Dad Jokhio, located in the north-east of DHAC having population of about 800 people, established in the 1860's. Most of the population speaks Sindhi and Balochi languages as mother tongue and have comprehension of Urdu Language as well. Major occupations in the village are shepherds, agricultural laborers (haari) and industrial workers. Almost 90% of the population is illiterate with considerable higher male literacy. As obvious from the entire village is a cluster of nuclear housing units connected with small unmetaled tracks. Most of residents are relatives of each other and belong to Jokhio tribe.

Most of the houses are permanent (pakka) or semi-permanent (semi-pukka) with few temporary (katcha) houses. The main source of drinking water is a tube-well and 3-4 small reservoirs (earthen dams) which harvest rain water during monsoon rainfall. A major portion of this water is utilized for the cultivation of the main crops, such as Lobia, Moong, Jawar and Gawar. The routine environmental issues the locals are concerned with are the accumulation of fugitive smoke from the Lucky Cement factories in winter and dynamic sand blasting at the cement factory.

The second village is Goth Karim Dad Jokhio, established in the 1820's and having a population of 300 persons of Jokhio tribe. They speak Sindhi and Punjabi and are located at the eastern bank of the Sukkan River. This small village is quite unique in terms of location as Jamshoro and Thatta districts are just a few meters away from the Goth, on the other side of Sukkan stream. The area is ecologically quite rich and has good agricultural fields or sesame (*til*), moong, Jawar and Gawar FOR THE SMALL local ECONOMY. The major economy of this Goth is grazing animals and farming. About thirty percent people are literate with very little female literacy. The area is quite disturbed environmentally for the few months of summer because of the Pak Land cement factory located in the South West of DHAC.



These villages and Goths are being taken care off in the overall planning of DHAC maintaining their originality and the same time keeping in view their water, power and energy requirements.

This will improve their quality of life and environmental conditions and will provide better education/ schooling recreation and work/Job Opportunities.

One of the main goals of DHAC is to adopt a holistic and sustainable design and planning approach. In order to achieve reduction of CO₂ emissions, it is essential that energy demands are optimized and energy losses are kept at minimum level. The part of energy generated at site shall be from low Carbon and renewable energy sources like solar, wind and biomass, which has least negative impact on environmental conditions.

## ANNEX - C-7

## EMPLOYMENT RECORDS (CVs) OF ENGINEERING AND TECHNICAL STAFF OF THE PETITIONER PROPOSED TO BE EMPLOYED

Curriculum vitae(s) of the engineering and technical staff of DESCO are appended herein below.

## Item No. 12

## Employment Records of Engineering and Technical Staff of the Applicant Proposed to be Employed

All technical staff that will be employed shall be preferably having background of serving in any DISCO with engineering background.

All fresh Engineers/DAE qualified person shall undergo training before putting on the job.

Criteria/qualification for selection in different departments of the DISCO shall be in accordance with the procedures followed by other DISCO(s) under NEPRA.

## Item No. 11

## A Reasonable Detailed Profile of The Applicant Senior Management, Technical and Professional Staff

Detailed Profile of Technical and Professional Staff at present are as attached.

## Lt Col MUHAMMAD MAZHAR UDDIN AHMED (Retd)

House # 106/3, Zahldan Lane, Maiir Cantt, Karechi,1092)-3332616009, (052)-3003903525, E-mail: mrntherudd n@gmail com

#### Objective

After concluding more than 25 years of meticulous, challenging and inspiring services in Pakistan Army (Corps of Electrical and Mechanical Engineering). Lam pursuon smiler professional penetrurible

**Mechanical Engineering).** I am pursuing similar professional opportunities towards my goals for a successful career path by joining hands together to an organization with whom my existence, worth and result oriented proficiency can reach to the top of line that to depends upon to whom I associates with.

#### **Skills & Abilities**

- Project Management
- · Human Resource Management
- Team Building and Leadership
- Quality Control Management
- Occupational health and Safety Management
- Supply Chain Management
- Troubleshooting Testing and Diagnostics
- Inspection and Performance Evaluation
- Modeling and Simulation Techniques
- TMDE
- Computer Saftware
  - ✓ MS Office
  - MS Project

## Highlights of Career History (Duration Sep, 1993 - To date)

Company	Designation	ta ne rationis anni serialise ann	Duration	
DHA City Karachi	Dir (E&M Dte)	Aug	2021 to date	
Inst of Business Management	Service Manager		2018 to Jul 2021	
Army Regional Workshop	Deputy Commandant/ Director Production		(ears 6-2018)	
Directorate of Design and consultant (E-in C Br, GHQ)	Principal Engineer		rears 4-2016)	
Army Spares Depot	Head of Depot		/ears 2-2014)	
College of Electrical & Mechanical Engineers	Senior Instructor / Assistant Professor		e -	
Mil Dairy Factory Okara	Project Officer		than two years 2-2005)	
Army Electronics Base Workshop	Officer in-charge Theri Imager Lab	nal More	than 5 years 8-2002)	
Army Repair & Maintenance Workshops / Units	In-charge for repair, maintenance & Quality Assurance Department	/100	than 5 years 3-1998)	
Personal Details				
• Father's Name:	Muhammad Hussain Khan	Nationality:	Pakistani	
• Date of Birth: 8	th lun, 1957	N.LC No:	42101-1573034-7	
<ul> <li>Domicile: k</li> </ul>	(arach)	Religion:	Islam	



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MS (Electrical)	NUST		2009	
BE (Electrical)	NED VET		1993	
her executive arms open community of a property of the community of the co	o service and residence of the service services and the service service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the se	era a mangarur i	a and Albertanesses state	was a series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of

#### Courses / Skill Developments

- Harris communication setrepair and maintenance course 2011 502 Base Workshop Electrical And Mechanical Engineers
- Supply Chain Management Course | 2010 | College of Electrical and Mechanical Engineering
- Advance Management Course | 2002 | College of Electrical and Mechanical Engineering
- Repair and Maintenance Course of Thermal Imagers | 2000 | Thomson CSF, France
- Office Automation Course | 2000 | Institute of Information Technology, Islamabad
- Night Vision Devices Specialist Course (1999) College of Electrical and Mechanical Engineering
- Java course | 1999 | Institute Of Information Technology, Islamabad
- Electro-medical Equipment Specialized Course | 1996 | College of Electrical and Mechanical Engineering
- > Post Graduate Diploma | 1995 | College of Electrical and Mechanical Engineering

#### Achievements (Hi-lights)

- Energization of Sec-14 through KE feeder by laying of MV/LV UG cables and other infra.
- Successful operation and maintenance electrical network of DHAC since last 2 years.
- Load Assessments of DHA Sectors as per NEPRA CSM and signed them off with KE.
- Logistic Support Projects, during 2016-17 and 2017-18 were carried out very efficiently, with in due timeline and provided budgets.
- Occupational health, Safety and Environment Management System of Base Level Workshop was formulated and executed at Army Regional Workshop.
- Successfully evaluated and vetted HVAC and Electrical system Design of forensic Laboratory of Afghanistan Arm Forces Jalalabad.
- Established process performance metrics to track, analyze, and report performance in terms of quality, safety, cost and customer satisfaction.
- Served as technical member of Army Clinical Audit Team of South region's Combined Military Hospitals.
- Supervised the executed vehicle maintenance program including the direct supervision of 15 to 25 production supervisors overseeing anywhere from 400 to 950 personnel.
- Planned and executed technical evaluation and inspection program of vehicles weapons, equipment held with the Units of Army formation in order to ensure operational fitness and readiness of the formation.
- Developed plans in support of contingency operations such as civil emergencies / disturbances, civil defense, disaster relief and operational programs, and combat readiness and deployment plans.

(References can be provided if required.)



	LT COL MEHROOB AHMED (ReM)
Personal Information	<ul> <li>Date of Birth: 17 Aug 1963</li> <li>Cell Number: 0321-6014216</li> <li>Address: 11 - E. Askari V. Malir Cantt, Karachi.</li> <li>Email: mehboob 1963@hetmail.com</li> <li>Married with four colldren</li> </ul>
Career Objective	To work in a dynamic and challenging environment with the aim to ensure optimum utilization of humanitechnical resources and administrative excellence for an efficient productive activity.
Summary	<ul> <li>A highly qualified, results-driven and dependable professional with a broad-based experience of human resource management, administration, security, training and information technology.</li> <li>Technical Evaluation of vehicles, weapons &amp; equipment for inspection, repair and maintenance.</li> <li>Inspections &amp; supervision of workshop for production / quality.</li> <li>Has served for 26 years in the army and retired as Lt Col in 2011.</li> </ul>
Skils	<ul> <li>Excellent oral and written communication skills in English.</li> <li>Effective administrative, managerial and leadership skills.</li> <li>Analytical and problem-solving skills.</li> <li>Management, training, planning &amp; quality control in military engineering production.</li> <li>Management &amp; planning of HR for employment on various projects.</li> <li>Expert in the use of computers and internet.</li> </ul>
Experience	<ul> <li>Karachi Corps Headquarters: Worked as Project Officer from Sep 2008 till Nev 2013 and looked after technical, Commercial and agricultural projects; administrative affairs and security matters including procurement.</li> <li>Pakistan Army: Served in the army from 1983 - 2011 and performed various assignments related to administration, security, and technical and information technology</li> <li>Versatile experience in serving with reputed organization including National Logistic Cell, Pakistan Ordinance Factories, Pakistan Ranger and Central/Base workshops.</li> <li>Baluchistan Wheels Limited: GM Maintenance/GM Technical as well as (Factory Head) having approx.500 workforce for nine years. The factory is located at Hub (Baluchistan).</li> </ul>

Education	<ul> <li>PGD (Production Engineering): NUST Islamabad, 2000-2001</li> <li>BSc in Mechanical Engineering: UET Lahore, 1991</li> <li>BSc. Pakistan Military Academy, 1986</li> </ul>			
Professional Training	Outlified in different Technical, Engineering & HR Management, Administration, security and leadership courses from army/civil.  List of major courses completed are as under:      Unit Commander Course.      Young Officer Technical Course.      Proof and Experimental officer course.      Tasting and proofing of buller proof jackets.			
maran kurindakkan di di ababan saya saya yang alam sa da ƙar	South Africa:     Talwan:	Testing and proofing of bullet proof jackets Procurement and inspection of heavy-duty wheels manufacturing equapment, 1000 Ton Hydrautic Press and Test Equipment.		
Foreign Visits	<ul><li>Korea:</li><li>UAE:</li><li>Saudi Arabia:</li></ul>	Visit to various auto industry for recommending and finalizing equipment for modernization and appradation of Baluchistan Wheels Ltd.		
Worked with Chinese, Taiwanese, Korean, Japanese and German Engine Working with Foreign Engineers and Delegations Negetiation and finalization of terms and condition for refurbishment of heavy vintage equipment and machinery.				



#### CURRICULUM VITAE

#### MAJ (R) ALI ASGHAR, TI (M)

#### PERSONAL DETAILS

Nationality : Pakistani
 Date of Birth : 15 February 1971
 Cell No : 03337501060

E-mail : ali_90me89@yahoo,com

Marital Status : Married

Address: : Village Muhammad Chattat Channo Teh

Shahdad Kot & Dist Kamber Shahdad Kot

Łanguage : Proficient in English, Sindhi, Urdu

#### EDUCATIONAL QUALIFICATION MAJOR COURSES

BE (Mechanical Engineering) - Mehran UET Jamshoro : 1995
 Basic Technical/ Administration Course (Mechanical)-24
 College of EME : 1998
 Special Equipment (8-Vehicles) College of EME NUST : 2003
 Mid Carrier Course-40 (Vehicles) - College of EME : 2005
 Fabrication and Machining of Hull / Turret - Batou China : 2008
 Defense Procurement Course (O)-36 - Ord School : 2011

#### SHORT COURSES

- Project Management
- Production/ Vehicle Assembly Line Management
- Quality Control Assurance
- Procurement procedures
- Communication/Interaction Skill Development
- Accounts Handling
- Security of men and material

#### PRACTICAL HAND/ EXPERTISE

- Electrical Network Infra Structure and Operation and Maintenance:
   S Years experience of Laying of Infrastructure, Energization & Operation and Maintenance Electrical Network at DHA City Karachi as Deputy Director Electrical & Mechanical Branch from 2021 to 2023.
- Spares Procurement Management: 4 × years' experience in procurement of spares of all type of Vehicles/ Equipment.

- Human Resources Management: 20 x years' experience in sorting out skill of under command manpower, segregation and essigning of tasks according to technical, administrative skill of an individual so as to get optimum and results.
- Production (Engine/Vehicle) Assembly Line Management: 4 x years'
  experience as Assistant Orector Production of Engine as well as Vehicle
  Assembly line. Forecasting and scheduling to meet out lined production
  schedules. Coordination and supervision of various sections involved in
  production line so as to feed assembly line stages well in time.
- Security/ Accounts Management: A vast experience in the field of men and material security.
- Industrial Plant Inspection/ Maintenance: 5 x years of experience in the field of industrial plant inspection and maintenance.
- Production Assembly line Management: 2 x years' experience in vehicle/ engine assembly line.
- Quality Control/ Assurance: A vast experience in the quality control
  department.
- Repair/ Maintenance of Vehicles / Equipment: A vast experience in the field of repair/ maintenance of heavy as well as light vehicles and mechanical machinery.

#### AREA OF INTEREST

- Administration / Assembly Line management
- Repair/ maintenance/ inspection of industrial plant/ vehicles/ machinery
- Human Resources Management
- Project Management

#### PROFESSIONAL EXPERIENCE

- 3 Years experience of laying electrical infrastructure i.e. MV/LV cables, Ring main units, Kiosks, transformers, street lights, Operation and Maintenance of taid Electrical Network at DHA City Karachi as Deputy Director E&M Dte DHAC from 2021 to 2023.
- Manager Plant Maintenance Inspection in Aircraft Manufacturing Factory Pakistan Aeronautical Complex Kamra
- Assistant Director Quality Control Heavy Industries Taxila
- Officer Commanding ex an independent body of treops
- Second in Command of an Army Unit.
- Spares Management/ procurement Officer
- Assistant Director Production (Vehicles Assembly & Engine Assembly Line)



#### Career Objective

To effectively apply my skill and knowledge in a professionally motivating environment where career growth opportunities exist in a way that positively benefits the organization.

#### Work History

2021 till date Executive Engineer, Design & Contract Directorate Defence Housing Authority, Karachi

Responsibilities Presently dealing with following in light of FIDIC/PPRA Rules/PEC Regulations:-

- Pre-qualification of vendors/contractors/consultants for procurement of goods & services.
- Tech evaluation of BOQs/Cost estimate for Elect Works (individual projects, area electrification schemes, Alternate Energy Projects).
- · Floating of Tender Documents, Issuance of RFFs & relevant correspondence with Contractor/ Consultant/relevant
- Evaluation of bids/proposals, issuance of Letter of Award & finalization of Contract Agreements.
- of Assessment Time Extension Variation Orders/deviation/amendments/termination.
- Obtaining administrative & financial approvals from the management.

#### DHA Electric Supply Company (DESCO)

Assisting the Advisor Office responsible for Revival of DHA Distribution Company w.r.t Filing of Supply & Distribution License Applications in NEFRA in light of recently introduced CTBCM Model & Licensing Regulators to undertake distribution business & sale of electric power to the consumer in DHA City. Karachi

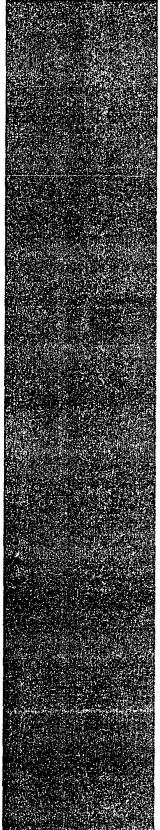
2013-2021

Executive Engineer, E&M Sec, Development Directorate Defence Housing Authority, Karachi

Responsibilities

Member of the team responsible for Planning and Construction of 132/11 kW Grid Stations, 132 kW Underground Transmission Line for Electrification of Phase-VIII, DHA Karachi involving:

- issuance of Tenders, Eval of Bids and Award of Contract in accordance with FIDIC/PPRA/IEC Standards
- Relevant technical correspondence with contractors. consultant and end user
- Site inspections, preparation and verification of bills and assuring compliance with notified specification
- Dealing with areas of deviation from specifications and variation orders, extension in time etc



2006-2013

Asst. Executive Engineer, E&M Section Defence Housing Authority, Karachi

Responsibilities

Active participation in preparation of feasibility, preparation of contract documents, issuance of Work Order and billing for Supply, Installation, Testing & Commissioning of Solar Energy Projects in DHA Part of Team responsible for preparation of area of electrification scheme of DHA Fh-VIII involving load assessment, selection of equipment and cabling work. Witnessed Type/Routine Tests on HT/LT Cables, Power/Distribution Transformers at:

- M/s Pakistan Cables Ltd, Karachi, M/s PEL, Lehore.
- M/s Universal Cables, Karachi M/s Newage Cables, Lahore.

2005-2006

Internee Electric Engineer Defence Housing Authority, Karachi

2004-2005

Trainee Electric Engineer GATRON Industries Ltd, Hub, Baluchistan

2003-2004

Trainee Engineer
Pak Aviation Engineering Services

#### **Academics**

2002

B.E. (ELECTRICAL), First Division, 2002

NED University of Engineering & Technology, Karachi

1996

Higher Secondary School Certificate, Grade 'A',

Gort. Dehli Inter College, Karachi

1993

Secondary School Certificate, Grade "A-1",

Progressive Children's Academy Sec School, Karachi

### Certifications & Affiliations

- Profession Engineer Reg No. ELECT/18621
   Pakistan Engineering Council, Islamabad Pakistan
- Certified Contract Management Professional NED University of Engg & Tech (Batch 8 - 2021)
- Governor Sind Program for Gan AI, Web 3.0 & Metaverse (Batch-1) commenced from Fab 2024.



Possessing an extensive background encompassing 20 years, I am a highly accomplished Electrical Engineer and Project Manager with expertise in project planning, management, monitoring, controlling, and commissioning, predominantly within the Utility sector. Actively seeking a dynamic professional setting that esteems effective communication skills and capitalizes on my intrinsic technical acumen, my objective is to contribute substantively to a progressive organization aspiring to attain industry leadership in their respective disciplines.

#### CONTACT

🖾 engr.naveedzaffar@gmail.com,

™ naveed.z.memon@outlook.com,

( +92-333-2281236

Karachi, Sindh, Pakistan

www.Linkedin.com/in/naveedzaffar/

#### **EDUCATION**

N.E.D University of Engineering & Technology, Karachi, Pakistan, 2023-2025
Master of Engineering Management Energy Management MEM GPA 3.7 (in progress)
N.E.D University of Engineering & Technology, Karachi, Pakistan, 2019
Post Graduate Certificate Course (Renewable Energy)
Mehran University of Engineering & Technology, Hyderabad, Pakistan, 2003
Bachelor of Engineering Electrical (Power)

#### PROFSSIONAL EXPERIENCE

Pakistan Defence Officers Housing Authority, Karachi, Pakistan Executive Engineer May 2021 to till date

Supervision of site works as per Contract Agreements, Preparation of Contract Agreements, Witnessing FATs for electrical equipment, Preparation of Terms of References for Consultants for the projects, reviewing of final design aubmitted by consultants, Design Calculations review, ensuring execution is carried out according to standards and specifications.

ANK Engineering & Construction Company, Karachi, Pakistan Senior Electrical Engineer February 2018 to May 2021

Supervision of MEP works (Incl. Fire Fighting Alarms, CCTV Installations, HVAC Systems etc.) of newly Constructed Buildings (Hospitals, Malls, Public Buildings), Ensuring smooth execution of Site Works with team of Engineers.

#### CEPCO, Jeddah, Kingdom of Saudi Arabia

Site Manager, EHV Cable Projects

March 2016 to November 2017

Initial Survey, Finalizing Approved Drawing, Crew Handling, Execution of Approved Site Work, and Jointing of 380 KV Power Cables, Acquiring Permissions from different Departments and Testing of DTS, Fiber Optic & Power Cables 2500 mm2.

#### K-Electric, Kurachi, Pakistan

Manager Bulk Business Department & Distribution Projects

September 2004 to February 2016

Providing Facilitation to Corporate Customers (above 04 Megawatts), Optimization of Substations by coordinating with Substation & Operation Departments, Proper Documentations, Initiation, Planning Execution and Completion of different distribution projects, implementation of HSEQ policies and parameters to site execution activities.

#### Electrix Traders, Karachi, Pakistan

Site Engineer, Electrical Distribution Projects

September 2003 to September 2004

Reviewing Tender Documents, Preparing BOQs, Site Execution, Team Management, Liaison with other Government Departments for acquiring Right of Ways.

#### PROFESSIONAL TRAININGS

Attended "Certified Contract Management Professional" Certification Course facilitated by NED University of Engineering and Technology Oct 2021 to Dec 2021 (03 Months Course)

Attended "Wind Energy" Course facilitated by, Technical University of Denmark (five Weeks Session), and Completed in May, 2020 (Online). Grade "84.7%".

Attended "Six Sigma Green Belt Level" facilitated by NED University of Engineering & Technology, Karachi (four Days Session), Intended to appear in Six Sigma Green Belt Certification Exam in Coming Months, 2024.

Attended "PMP Exam Preparation aligned with PMI Standards" facilitated by Wayne Management Institute, Karachi (four Days/35 Credit Hours Session.

Attended "Managerial Skills for Budding Managers" Karachi, facilitated by NAVITUS Pakistan for KESC Ltd. (Two Days Session).

#### MANAGEMENT SKILLS

- · Project Management
- Excellent Business Communication
- Organizational Skills
- Time Management
- Effective Leadership Ability

#### COMPUTER & SOFTWARE SKILLS

- · Minitab
- Primavera Oracle P6
- MS Project
- MS Office (Word, Excel, PowerPoint)
- AutoCAD 2017

#### TECHNICAL SKILLS

- · Critical Thinking & Analytical Skills
- Understanding Creativity of Project
- · Engineering Drawings & Technical Submittals
- Quality Assurance & Quality Control
- · Bill of Quantities
- · Work Inspection, Supervision & Snagging

#### LANGUAGE SKILLS

- English
- Urdu
- Sindhi
- Arabic

#### MEMBERSHIPS

- Professional Engineer of Pakistan Engineering Council Registration No. Elect/19520.
- Member of Saudi Council of Engineering Registration No. 290077

#### PERSONAL INFORMATION

Date of Birtle

25th December, 1979

Religion:

Islam

Marital Status:

Married

Passport No:

AD0206734

Driving License:

KSA Driving License (Expired in April 2021)

## REFERENCES

- 1. Engr. Bassam Kabhara, Project Manager AL-WAHA 380 KV UG Cable Project, CEPCO, KSA. Contact: +966 503696082
- 2. Engr. Nagash Arif, Sales Engineer, CEPCO, KSA Contact: +966 500342804
- 3. Engr. Faisal Saleh Memon, Executive Engineer DHA, Katachi, Pakistan Contact: +92 333 3212578

Curriculture Vitae

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#### HAIDER ALI SERIWAL

- § MCQ Building OHA City, Karachi, Sordh, Pakissan.
- AL +92 833 3525270
- ensthanted to constrom
- https://www.linkedic.com/ayhaider-al-9182bCa1

Sex. Make | Date of bette 20-03-1987 (honoraley: Pakistani (14): C # 44203-69877330-1

Passant No. YD1703363 (PEC a Electro/14258) Fisign - Islam

Dedicated and results-driven Engineer with 8 years of exemplary experience in the dynamic field of solar energy, specializing in sustainable solutions within the prestigious CHA City. Proven track record of conceptualizing, implementing, and optimizing solar projects that harness renewable energy sources to meet environmental goals white maintaining cost-efficiency. Seeking to leverage my expertise in solar engineering and project management to contribute to innovative solar initiatives, advance sustainability goals, and enhance the energy landscape in CHA City and beyond.

WORK EXPERIENCE

27/01/2010 - YH Date

AXEN (Elemnosi & Renewable Energy)

DHA City Karachi, Pakistan.



Bright Horizon of Salar Energy

DHA City Karachi, a forward-thicking urban development project, is not just shaping the future of fixing but also embracing sustainable energy solutions. At the heart of this commitment lies the harnessing of solar power—a clean and renewable energy source abundant in the warrant city of Karachi. With a vision focused on a greener, more sustainable tomorrow, DHA City Karachi is illuminating its path to progress with the power of the sun.

Business: Array Projects, Website: dnakarach.org/, Ernait dna@dhakarachi.org

Head office; 2-B, Gast Street, Phase-I, DHA, Karachi-76500 Pakastan

DHA City Karachi (DCK)

Electrical and Solar Project Works

#### Scope of Project.

DHA City Karachi (DCK) spread over an area of 20,000 acres of land is expeditiously being developed as a planned. Sustainable, Green and Smart City of Pakistan. The project involves in the execution of Solar Electric Power Generation and Discription Networks for the very first Smart City in Pakistan. This is the first sustainable city, in which Renewable Energy (Solar & Wind) is one of the essential sources of Power Generation, 30% of the total Power Generation is consist of 3ptan & Wind based generation, while tast of the TCM gower generation is conventional electric power. I MW Solar Tree like structures will be suit that will efficiently utilize the parting tot space for a dual purpose i.e., providing shade for parked dark and also to generate energy.

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#### PROJECT EXPERIENCE



#### Projects:

- 1.124 MW Spar Energy Project Solar Park and Roof top systems at DHA City Karachi.
- 133kw island solar system with Battery management system BHA Casis Karachi.
- 104 kw Solar system for US water tank at Health Care Bistnet BHA City Karachi.
- 230 kw Gn Grid splar system at Water Channel Sector 3 DHA Cay Karachi.
- 750 kwh Battery Management system for 1.5MW CN-God Solar system at Campsite.
- 1.5MW on-grid solar PV system in combination with diesal generators, fuel sawe controller and 750xWh battery backup in order to implement micro-grid facility for DCK campsite.
- 5MW On-Grid & Hybrid spiar FV system at various roofcops of residential, commercial and utility buildings. (The capacity of each system is varied from SKW to 100MW).
- Smat wind power systems 30 kilowatts.
- LV & MV electrical power distribution network.
- 630 Street Light Poles 120 watts General Electric LED Light East & West Boulevard OCK.
- Integrated LED Street Lights 50 wats to 100 wats.
- 200 Conventional LED lights at DCK M-9 Highway interchange.

333

#### Project Sallent features:

- On-Grid Solar Power System.
- . Hybrid/Off-Grid Solar Power.
- Energy Storage
- Power Supply For lot Woods.
- Solar & Conventional Street Lighting.
- Solar Water Fump.
- Solar Water Heating Geysers.
- . Small Wind Power Systems.
- Lv & Mv Electrical Power Distribution Network.

#### Responsibilities.

- Site Supervision & Inspection.
- Verify the conductor sizes for those supplying multiple units.
- Make sure circuit breakers and the correct size current racing for their circuit.
- Check for adequate lighting in the area.
- · Inspect cables installed in contact with terminal installation,
- Cables assembles are suitable for the residential condition.
- Write down overall notes regarding inspection.
- Operation & Maintenance of installed systems.
- Site Supervision & Inspection of Electrical / Solar works.
- Leading Operation & Maintenance team for 1.5MW creditid system.
- Supervised and leading Q&M team for 30kW wind turbines with battery backup
- LV power network execution in various buildings.
- Leading Operation & Maintenance team for 420kW on-ged system
- Punchist for final billing of complete project with as related data.

والمراز والمجاراة

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HOMES AL SHOWER

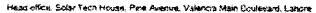
30/01/2016 -- 11/12/2018

Project Engineer (Executeal & Resewable Energy)

Client: DHA City Kurachi (DCK).

#### Solution Pakistan

Solunion Pakistan is a pioneering organization at the forefront of Pakistan's renewable energy landscape. With a commitment to harmessing the power of the sun, Solanech is dedicated to providing outling-edge solar energy solutions for residencial, commercial, and inchestial claims appear the eation. Through innovation, bustainability, and a relentless pursuit of clean energy, Solaneth Palistan is leading the charge toward a beginser and more sustainable energy fusive in the region.



Website solanech.com ok

Correct: 0423-6226083

#### Key Responsibilities & Expense

- Scor panel installation and pagnetest
- DC and AC electrical system design
- invener selection and materials an
- Connection to the grid or off-grid systems
- Solar этру райоптилов эткуза
- Monitoring and troubleshooting solar systems
- Compliance with safety standards
- Project onst waternation
- Quality control and insceptions
- Environmental impact assessments
- Renewable energy project planning
- Sour technology research and evaluation
- integration of energy storage solutions Collaboratory with cross-functional teams
- Зоіат епчеру рюжех такиретит

#### 01/02/2811 - 01/09/2015

Alman's Collection

#### M/S Alman Cotton Clarking Presstra Factory & Ot Mill

#### Key Responsibilities & Expense

- Strategio efamilino file arreverse netrineration.
- Team leadenship and management.
- Production oversight and target achievement.
- Quality control and completive
- Maintenance scheduling and equipment uplace
- Rudget management and resource abocation.
- Safety protocol implementation.
- Continuous process optimization.
- Environmental suspinability includes
- Efficient problem-solving and troubleshooting
- Reporting on performance and activities.
- Version and supplier coordination
- Staff training and development.
- Project management for expansions and cognides
- intendepartmental communication.
- Resource allocation and efficient unication.

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Haider All Servani Curiculum Vitae **EDUCATION AND TRAINING** 2006 - 2010 Bacheter of Engineering in Electronica Engineering Dawood Collage of Engineering & Technology, Karachi, Pakistan. Semiconductor Massifist Devices and Ovcuss, Power System & Network Analysis, Digital Logic Design, Electrical Network Analysia, Electronic Devices and Circulas, Machine Design & Equipment Training, Power & Industrial Electronics, Control Systems, AC/OC Machines & Deves, Project Management 2004 - 2006 H.S.S.C - Higher Secondary School Certificate (Pre-Engineering) Cadet Coflege Sanghar, Pakistan. Physics, Chemistry, Math's, English. 2001 - 2003 S.S.C - Secondary School Certificate (Science) Cadet College Sanghar, Pakistan Physics, Chemistry, Math's, English, Computer Science TECHNICAL SKILLS MS Office: For Making Reports, Presentation, Formulae Sheets, Etc. AutoCAD: Creating Technical Drawings and Layouts. Dislux: For the Designing of Lightning Systems for Roads and Building PERSONAL SKILLS Communication skills Excellent communication and interpersonal skills, facilitating effective collaboration with

complex ideas in simple terms.

clients, stakeholders, and regulatory bodies. Skills gained from extensive expenence in working with national armed, government and private sector clients; able to express

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#### Organisational / managerial skills

- 1. Proven track record of achieving energy savings and reducing carbon footprints through the adoption of solar energy solutions in DHA City, contributing to its sustainability objectives.
- 2. Committed to ongoing professional development and staying updated on the latest advancements in solar technology and sustainable energy practices.
- 3. Strong knowledge of industry standards, regulations, and best practices related to solar energy, ensuring compliance and safety in all projects...
- 4. Demonstrated ability to lead cross-functional teams, manage budgets, and oversee project timelines, resulting in the successful completion of numerous sofar projects on time and within budges.

#### Job-related skills

Over 8 years of hands-on experience in solar energy engineering, encompassing the design, installation, and maintenance of solar power systems in residential, commercial, and industrial settings.

Adept at conducting site assessments, feasibility studies, and energy audits to determine the optimal solar solutions for specific projects, ensuring maximum energy

Cities skills

Here travelling and Photography, I would love to travel anywhere in Pakistan and rest of the world

ADDITIONAL INFORMATION

Pakistan Engineering Council Certified KACO certified Self-Maintainer of KACO Germany Inverters

Certifications

Note:

Reference Documents / Certificates / Experience Letters can be provided on Request

Sept. 2.5

#### **CURRICULUM VITAE**

Engr. Sagib

R-43 block-F Gulshan-e-Jamal main

Rashid Minhas Road.

Mob: +92-333-2533002

Email: engrsagib06@hotmail.com



**Objective:** To acquire career oriented employment in a reputable organization with an aim to be an asset for the company by utilizing my potentials to the maximum and achieve ultimate career goals.

EXPERIENCE

13 YEARS

#### **KEY QUALIFICATION:**

Qualified and professional BE Engineer with a multipurpose/designations and multinational professional experience of more than 04 yrs. I have practically performed all the concerned jobs and been deeply involved in their commencement weather at site or in office with hard work, concentration and dedication.

Employer

DHA Karachi

Tenure

August 2015 - Present

Designation

A/XEN (Electrical)

The largest and leading residential estate in the country. Providing a world class environment and well guarded community with amentias of quality life.

#### **RESPONSIBILITY:**

- Supervising the execution of electrical infra structure and building's electrical systems in different sectors of DHA City. Provide co-ordination between consultants and contractor for smooth completion of work.
- Factory inspection for transformers, RMUs and feeder Pillar.
- Installation of step-up transformers for provision of backup supply system through generator for residential of DHA City.
- Operation and maintenance of existing electrical system.
- Supervising buildings electrical system i.e HVAC, elevators, fire alarm system, distribution boards etc.
- Preparing BOQ and execution of electrical works directly assigned by higher authorities.

**Employer** 

M/s. Osmani & Company (Pvt.) Ltd.

Tenure

January 2013 – August 2015

Designation

Design Engineer (Electrical)

**Major Projects** 

Project

Development of DHA City (11,640 Acres)

Client

Defence housing Authority

Location

Karachi

**Project** 

Infrastructure Development of DHA Phase-8

Client

Defence housing Authority

Location

Karachi

#### **DESCRIPTION OF DUTIES / ACTIVITIES PERFORMEO:**

#### **Electrical Infrastructure**

- > Situation Analysis of Electric Power and communication infrastructure.
- Detailed analysis of existing system, demand and supply situation of electric power.
- > Assist Team Leader in preparation of immediate action plan for development works.
- Develop the short term & long term development plans regarding utility services considering economical & technical viabilities.
- Report of New SITE
- > Load Assessment Criteria
- Load Calculation & Distribution
- Layout & Distribution of MV / LV Network
- MV/LV Cable sizing & Voltage drop
- Single Line Diagram
- Specifications for LV/MV Switchgear/MCC
- BOQs & Engineer's Estimates

#### Buildings

- Illumination calculation on DIALUX
- > Lighting layout & circuiting
- Small Power layout & circuiting
- Selection of material for lighting works
- > Single line diagram for distribution board

:

- Extra low voltage network (Firealarm, Sound system, CCTV, IT networking, etc)
- Substation layout with Earthing
- Selection of equipments (MV Panel, Transformers, LV Panels)
- Generator sets with accessories as per load requirement.
- BOQs & Engineer's Estimates

**Employer** 

Sapphire Textile Mills Ltd

Tenure

From March 2011 - Jan 2013

Designation

Trainee Engineer

#### Responsibilities:

- Manage and look after operation and maintenance of power house
- Troubleshooting in the control system of Gensets (Cater Pillar, Waukesha and Jen Bacher) and electric LT and HT distribution systems.
- Working on energy optimization techniques for better and efficient use of energy and cost optimization in fuel consumption.
- Prepare cable and bus bars layout plan for the installation of new machinery / Gensets.

#### **EDUCATIONAL QUALIFICATION:**

- P.G.D, Electrical Power Engineering, Mehran University of Engineering and Technology Jamshoro, 2012
- > B.E in Electrical Engineering, Mehran University of Engineering and Technology Jamshoro, 2010.



Computer Proficiency:

MS Office, MS-Windows, Auto Cad

Languages Known

English, Urdu and Sindhi

Other Details :

Father Name : Abdul Razzaque
Date of Birth : 09-April-1987
Nationality : Pakistani
Sex : Male
Marital Status : Single

CNIC No.

44101-4741657-7

References

Najam-ul-Hassan Burney

Job Title: Senior General Manager Company Name: Osmani & Company (Pvt.) Ltd. Phone Number: 0300-2843298

Mr. Afsar Hussain

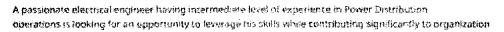
Job Title: Manager

Company Name: Sapphire Textile Mills (Pvt.) Ltd.

Phone Number: 0321-3009206

## SYED SAAD AZIM

**ELECTRICAL ENGINEER** 





<b>27</b> 58	azim364@gmall.com	923362009487	Karachi, Pakist	an
WORK EX	(PERIENCE		PERSONAL AT	TRIBUTES
May 2020 -	Assistant Engineer (Electrical)		Leadership	
Present	Pakistan Defence Officers Housing Authority - Karachi			
	<ul> <li>Responsible for the mal power distribution netwo</li> </ul>	nagement and supervision of ink which sneolves:	Initiative	
	Underground MV/LV Ca     Method as per authorize	able Laying using Direct Loying I standards.	Team Working	
		IING (SAT) of equipment to ensure ation under various conditions,	Communication	
	(A) High Voltage insulation Resistance Test on power cables using SANWA HG561H insulation resistance tester. (3) High Potential Test on power cables using £15UN TTRV		Presentation	
	15KV high voltage surge i	*	SKILLS	
	Mounted Unit transforme	96.	AutoCad	<b>₩</b> 9 8 %
	provision of electrical con	ing a residential sector which includes medivity to domestic and	C/C++	<b>* *</b> * *
	commercial units includir	ng external maintenance.	MS Office	****
	» Maintaining record of w visits to manufacturing fa	kirk execution and quality inspection idiales.	MS Project	● 第 号 卷:
Aug-19 -	INTERN (Site Operati	inne)	Project	<b>* * *</b> ‡
Dec-19	Fatima Technologies (Pvt) Ltd		Management	
	> Assisted Project Manager in planning and installation of three 10 KW ON GRID Solar Systems (residential) having Mono-crystalline Photo Voltais Modules with 10 KW Three Phase inverter	LANGUAGES		
		English	<b>***</b>	
	Trained with basic conce and installation.	pps of Sular System planning, testing	Urdu	***
EDUCATI	ON			
Oct 2023 -	Masters of Engineeri	ng (Electrica! Power Systems)		
Ongoing		ering & Technology - Karachi		
	· ·	sters program with current courses of		

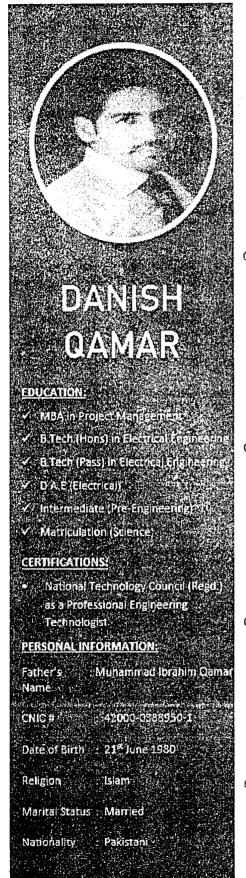
Aug 2015 -

Dec 2019

Power Systems Analyses and Advance Power Distribution

National University Of Computer & Emerging Sciences - Karachi Graduated with a four year bachelors decree in Power stream

**Bachelor of Science (Electrical Engineering)** 



#### CONTACT DETAILS

190

+92 333 3189510



danishqamar80.dq@gmail.com



A-60, Indus Mehran Society, Model Town, Karachi - Pakistan.

#### OBJECTIVE:

A career in reputed organization that provides me best opportunities to gain quality work experience to develop managerial a technical skills in a competitive and professional environment for a good career.

#### EMPLOYMENT HISTORY:

O Sub Divisional Officer

Defense Housing Authority

2007 - Present

#### **Grid Station:**

Testing, commissioning of 2 x Grid Station with consultant M/s Nespak, Contractors M/s Siemens (Pvt.) and M/s GE Power

Performed / conducting inspection, testing and commissioning of 132 KVA Grid Stations

- Electro Mechanical, Micro Processor and numerical relays
- FAT and SAT of 40 MVA Transformer.
- FAT and SAT of 500 KVA Station Transformer.
- SAT of DTS Panel.
- FAT and SAT of MV Panel.
- SAT of SP_R Circuit Breaker, CT, PT, Isolator, Surge Arrester, Busbar and Line Bay Panels, Bus Couplers.
- Testing and Commissioning of Distance Relay, OC over current and earth Fault 132 KV line Panel Relay Transformer Control Panel Relay.

#### Transmission and Distribution MV and LV Networks:

- Laying of 132 KW, 800mm underground Feeder cables.
- Laying of 11 KV Feeder, 400mm and 300mm Feeder cables.
- Laying of 240mm, 120mm, 70mm and coetros cables
- Supervision of excavation, laying, jointing and termination.

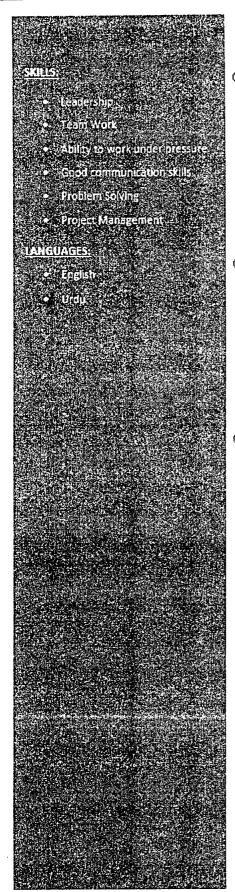
#### Street Light Projects - Planning and Implementation of Conventional, Integrated and Solar Lights

- Street lighting for Roadway residential and Walkway
- Review and field inspection of new and old existing Street light system.
- Prepare Correspondences, Board Reports, Cost Estimation, Specification.
- Sonduct Investigation including Night time Field checking Reports.
- Street light design system for conventional light control by SLCP.

#### Solar Tube well Planning and Installation

- Installation testing and commissioning and Solar Tube Wells.
- Checking and Inspection of Solar Panel, Motor, Pump, Electrical Wiring DBs and DC Panels.





#### Solar Energy projects, Solar Park and Roof top system and DHA City Karachi.

- 1.124 MW Solar Energy Project Solar Park and Roof top systems at DPA City Karachi
- 133 kw island splar system with Battery management system DHA Oasis Karachi 104 kw Solar system for UG water tank at Health Care District DHA City Karachi
- 220 kw On Grid solar system at Water Channel Sector 3 DHA City Karach
- 750 kwih Battery Management system for 1.5MW ON-Grid Solar system at Campaide
- 1.5MW on-grid solar PV system in combination with diesel generators, fuel save controller and 750kWh battery backup in order to implement micro-grid facility for DCK campsite.
- SMW Cn-Grid & Hybrid solar PV system at various rooftops of residential, commercial and utility buildings. (The capacity of each system is varied from SkW to 100kW). Small wind power systems 30 kilowatts.
- LV & MV electrical power distribution network.
- 530 Street Light Poles 120 watts General Electric LED sight East & West Boulevard DCK Integrated LED Street Lights 50 watts to 100 watts.
- 200 Conventional LED lights at DCK M-9 Highway Interchange.

#### Project Salient features:

- On-Grid Solar Power System.
- Hybrid/Off-Grid Solar Power.
- Energy Storage.
- Power Supply For Ict Works.
- Spier & Conventional Street Lighting
- Solar Water Pump.
- * Solar Water Heating Geysers.
- Small Wind Power Systems.
- Ly & My Electrical Power Distribution Network.

#### Assistant Engineer

#### K-Electric

2004 - 2007

#### O/H and U/G Networks:

- Implementation of HV / EV Network Schemes including Installation of Poles, conductors and their accessories.
- installation of FMTs with complete structure.
- installation of VCB Panels.
- Supervise / monitoring the cable termination, jointing and laying of HT / LV both underground and overhead.

#### Assistant Englneer

#### Electrix Trader

- Controlling, Tasking, Reporting and Maintain daily progress report of Projects.
- Purchasing Controlling of Tools, Equipment and accessories.
- Implementation of LV and HV Network Schemes including installation of Poles, PMTs, VCB Panels, Electrical Wiring DBs, conductors and their accessories.
- Laying of underground feeders with complete terminations and jointing.
- Design and develop the building wiring projects.
- Monitoring of projects reports progress, coordinating activities regarding the installation.
- Monitoring a clear workable relationship among a web people (Otlent, Consultant, Supplier and Authority / Regular body).

#### **NISAR AHMED**

ADDRESS: A-1109 Gulcham Hadid Phase-I Bin Quaim Town, P.O Steel Town Malir Karachi. 03132194035 -- 03233804579 Email: 1940.shppedis@genatk.com



#### Objective:

To work with a progressive organization that offer a competitive and Challenging environment and fully Utilize my professional and academic Skills to pursue a challenging and rewarding career, which mutually beneficial.

#### Experience:

- Sub Divisional Officer Elect, at DHA city Karachi M9 project from Oct 2018 to date.
   DHA city Kurschi project known first ever green sustainable city of Pakistan moder Pak Army Five corps
- Assistant Engineer at K-ELECTRIC from July 2015 October 2015
- Associate Engineer at AMRELI STEELS Ltd from Pabruary 2013 to July 2015.
- Supervisor Electrical at SEPCO project Jan 2011 to February 2013

#### Academic Qualifications

B-Tech Honor Electronics	CGPA	DIHE Karachi (2018) result IP
B-Tech Pass Electronics	3 CGPA	DBHE Karachi (2014)
D.A.E Electronics	lª div	S.B.T.E Karschi (2011)
Metric Science	В	B.S.E. Karathi (2005)

#### Cerrification & Skills:

- Short course four month electrical technicians from Pakland vocational training center Karachi (2012)
- Short course four menth electrical technicians from SBBYDP Karachi (2011)
- One year diploma in computer sciences skill development council Faisalabad (2012)

#### Responsibilities

- Deal Distribution, planning, complaints, project survey and electrosity network team, supervise
  upon maintenance staff, look forward KE customers problems
- · Testing & commissioning of PAIU SS MV LV cables, new project tendering.
- . All concerned work with first safety implementation (safety is top priority)
- · Trafo / VCB OCB switches inspection & installation.
- Inspection of underground EHT. HT., LT transmission cables, reporting through computer skills including Microsoft Office &., Official Emails, Tele communication
- . Supervision, checking of electrical work at side
- Supervision of concurred areas, operation, maintenance and matchiations of instrumentations electrical accessories, awitchgours, motors, controllers
- . Maintenance of the plant as well as planned unplanned shut downs
- Team player, solution provider and a team leader, strategy and planning of his section, with strong
  maintenance and troubleshooting background in Switch-gears, Power & Distribution Transformers,
  MV/LV Motors, Starters, Protection Relays, VFDs, UFS, Hazardous Area equipment
- Generation distributions plans and power machinery maintenance
- familiar with safety, Root Cause Analysis, Assets Life Expectancy and similar Reliability concepts
- Good knowledge of said station operation 20mm load. (Grid executive)
- · Substation, LT, HT, LV Distribution complains solution planning
- · Slag processing plant, induction furnaces etc.
- · Electromechanical instruments and good knowledge about hydraulics system.
- Complete operation and electrical, instruments mannerance of <u>Verzani</u> (Italian) plant at Amreli steel.
- . Shift supervisor in plant.
- Maintain all record of field maintenance as per routine
- Prepare the estimated cost & budget on maintenance activities.
- Responsible for carryout breakdown and shutdown maintenance.
- Provide (technical) guidance to the team members for execution of maintenance activity
- Set-up preventive maintenan de plans (planning & scheduling)
- *. Provided solutions, system faults, and used root-cause-failure techniques, conscive actions, modifications and performed replacements and/orsew installation.
- · Rectify major faults through UGM, SSM, GSM, Operation & CM team with K.E.
- Inspection of Elect eqpt, LV MV cables, Trafo PMUS/S, RMU FATs,...
- · Official Inspection Experience detail
  - o 12 Trafos inspected (FAT) all protocols at PEL Factory Labore
  - o MV LV cables inspected (FAT) at Fast Cables Labora
  - o MV LV cables inspected (FAT)

#### Personal Information:

<b>₽</b> ³°	Father's Name	*	Muhammad Ralum
<b>~</b> "	Date of Birth	÷	15/12/1989

✓ CNIC # 42503-6905509-7
 ✓ Domicile/PRC Karachi (Sandh)

✓ Religion
 ✓ Nationality
 ✓ Marital status
 ✓ Bachelor

✓ Language Urau, Sindhi, English



NAME

Sved Shaukat Hussain

**ADDRESS** 

N-4147, Block I, Metroville-III, Gulshan-e-Iqbal Karachi

TELEPHONE

021-34640061

**MOBILE** 

0333-3475-166

EMAIL ADD.

shaukatiit@gmail.com

#### SPECIAL SKILLS

- Proven ability to work with minimum direction.
- Self-motivated. Adaptable, with the ability to maintain performance and meet the challenges of changing climate.
- · Excellent customer services and people management skills.
- Team player with the ability to encourage confidence building and self motivation of team members.
- Demonstrated ability to communicate with and relate to people at all levels.

#### ATTITUDE AND ATTRIBUTES

- · Certificate and innovative approach to all obligations.
- Ability to work under pressure in a demanding situation with professionalism.
- Ensure all organizational objectives and Goals are achieved.
- High work ethics and professional approach to all obligations and commitment.

#### ORGANIZATIONAL AND ADMINISTRATIVE SKILLS

- Able to understand and interpret guidelines and policies.
- Able to operate autonomously and as part of a team.
- Ability to assess situations and implement appropriate measures.
- Able to negotiate and listen to the needs of others.

#### TECHNICAL KNOWLEDGE

#### **ELEVATORS**

· Comprehensive knowledge of electrical and mechanical system of elevators specialization in Gold star (Korea) and Thyson(Germany).

#### **GENERATORS**

 Adequate knowledge of Diesel and Petrol Generators (All Type) specially 300,400 & 500 KVA Generators.

#### MISC

Sufficient knowledge in Fabrication, welding (arc & Gas). Pumps (single Stage, double stage.)

#### **EDUCATION**

- · Higher Diploma in Mechanical Engineering (HDME) from Dhaka Bangladesh at ICTVTR with automotive technology. (On GOVT of Pakistan scholarship.) Year 1992.
- HSSC from Aisha Bawani College" B" in years 1988.
- SSC from Little Angle's Secondary School In years 1985.

#### **Employment History**

- QUICK Auto workshop as "Asst Supervisor" Dealing in repair and Maintenance of Diesel and Petrol Vehicles from December 1992 to July 1993.
- POWER LINE COMPANY as "Mechanical Technician" for Supervision of Diesel Generators up to 500 KVA from Aug 1993 to Aug 1994.
- ORIENTAL GENERAL ENGINERING COMPANY as 'Mechanical Supervisor "for Generator, Welding Plants and Pumps etc. From Sep 1994 to Feb 1996.
- BUSINESS communications as" Service Engineer" on installation and maintenance of local and imported Elevators from Aug 1998 to
- DHA Services as a Senior Technical Supervisor at Creek Vistas Appts providing all technical supports from June 2009 to July 2020.
- DHAC as CHIEF MECH at E & M Dte. Providing technical support regarding elevators and HVAC systems in buildings from Aug 2020 to till date

#### MOHAMMAD SALEEM

£ +92 333-7841435

☑ saleemdhakhi@gmail.com

B-32 ohase 2. Gulshan-e-HadeeSd, Karachi Pakistan



#### **OBJECTIVE**

Seeking a challenging position in a progressive organization offering opportunities for professional growth and idevelopment that may prove to be very effective for corporate wealth as well.

#### ACADEMIC QUALIFICATIONS

B. Tech Pass (Electrical)

2014

New Port Institute of Technology Karachi.

CGPA: 2.98

D.A.E (Electrical)

2009

Swedish College of Technology Karachi

Division: First

SAFETY TRAINING: Indus Motor Company Ltd. Karachi.

#### Working Experience: 06 years 10 months

DESIGNATION	EMPLOYER NAME	FROM	TO
Technical Supervisor	D.H.A Karachi	17 June 2013	Still To Date
(Electrical)			
Electrician	Indus Motor Company	1 Feb 2011	30 May 2013

#### > RESPONSIBILITIES

#### > SOLAR ENERGY SYSTEM

Operating of 01 Mega watt Solar energy system (Renewable Energy)

#### > WIRING

- Site Supervision
- Site Inspection
- Monitoring of Projects as per Specification / Drawing
- Inspection of Conduting, Wiring, Lighting Circuits, Power Circuits, Distribution
   Boards, Three Phase, Distribution and Underground Cables,
- Inspection of Accessories (Inventory) as per BOQ and Approvals.

#### > 3 PHASE GENERATORS

- Operation of Generators
- Maintenance and Record of Generators
- Fuel record of Generators
- Wiring LV panel to generators
- Wiring Main DB to LV panels
- Manage Generator Operators and Electricians Duties



#### COMPUTER SKILLS

- > Ms Office
- > Internet Surfing

#### SPENDONAL DATA: A SESSION OF STREET CO. LEGISLOS CONTROL SESSION OF STREET CO. LEGISLOS CONTROL DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE SESSION DE

Father's Name i

Guishan Soomro

Date of Birth

02-10-1985

CNIC

42501-2414006-3

Religion

Izlam

Morital Status :

Married

#### LANGUAGE CAPABILITY

English

Spoken-Fluent; Written-Fluent; reading-Fluent

Urdu

Spoken-Fluent: Written-Fluent: reading-Fluent

#### PREPERANCE SANTANTAL TELESCOPIES SANTANTAL PARTICIPATION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF TH

Reference will be furnished on request.



#### Mubashir Ali Shah

+92 300-2323615

☑ mubashir.1ahmed@gmail.com

House No 3, Street No 27, Area "B" Qayyumabad Korangi Road Karachi Pakistan

#### OBJECTIVE

Seeking a challenging position in a progressive organization offering opportunities for professional growth and development that may prove to be very effective for corporate wealth as well.

#### ACADEMIC QUALIFICATIONS THE ENGINEER OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PR

B.Tech Pass (Electrical)

2012

New Port Institute of Technology Karachi.

CGPA: 3.02

D.A.E (Electrical)

2007

YMCA Poly Technic Institute Karachi

Division: First

#### Working Experience: 18 years months .

DESIGNATION	EMPLOYER NAME	FROM	TO
Electrician	D.H.A Karachi	14 Dec 2006	ti# To Date

#### > RESPONSIBILITIES

#### > SOLAR ENERGY SYSTEM

o Operating of 01 Mega watt Solar energy system (Renewable Energy)

#### > WIRING

- Site Supervision
- Site Inspection
- Monitoring of Projects as per Specification / Drawing
- Inspection of Conduting, Wiring, Lighting Circuits, Power Circuits, Distribution
   Boards, Three Phase, Distribution and Underground Cables,
- a Inspection of Accessories (Inventory) as per 800 and Approvals

#### > 3 PHASE GENERATORS

- Wiring LV panel to generators
- Wiring Main DB to LV panels
- Manage Generator Operators and Electricians Duties



#### COMPOTER SKILLS

- > Ms Office
- > Internet Surfing

#### FPERSONAL DATA DE SERVICIO DE LOS PORTES DE PERSONAL DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DEL CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DEL CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DEL CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DEL CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DEL CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE DE LA CONTRE D

Father's Name :

Syed Muslim Shah

Date of Birth

09-08-1985

CNIC

42501-2414006-3

Religion

Islam

Marital Status :

Married

#### CLANGUAGE CAPABILITY

English

Spoken-Fluent: Written-Fluent: reading-Fluent

Urdu

Spoken-Fluent: Written-Fluent: reading-Fluent

#### 表**和EPTRENCE**等。对各类型的设施的表面对于是国际的对于中国的特别的对于中国的特别的对于中国的特别的对于特别的对于特别的对于

Reference will be furnished on request.

Page: 2 of 2

#### Dilshad Ahmed

Cell: 0331-3787327, 0346-2235145.

#### Objectives:

Looking for an environment twhereI can contribute my Services, Knowledge& Experience+ Enhance my skills for exponential careergrowth.

#### Education:

- Metric Science with 1"div from Karachi Board (2015).
- > DAE (Electrical Technology) from St. Patrick's Institute (2018).

#### Experiences:

- 2 Year Experience as a Site Supervisor at Yasir Engineering Works.
  - June 2016 To June 2018
- > 3 Year Experience as a Site Supervisor at Muhammad Samad & Co.
- July 2018 to July 2021
   3 Month Internship at Pakistan Defence Housing Authority.
  - Aug 9 2021 till Nov 9 2021

#### Other Related Skills/ Works:

- > Work place & Human Safety management.
- > Office work flow management.
- > Computer based office System & Emailingetc.

#### Personal Bio-Data:

>	Domicile	Sindh
>	CNIC No.	42301-9106650-5
>	Nationality	Pakistan
>	Date of Birth	01-03-1999
>	Father'sName:	IrshadAhmed

#### AHSAN RAZA

Mobile: 03498550025 E-mail: areeb208@gmail.com

PEC#: Elect/56035

Mailing Address: D&C Dte, DHA head office, 2-B East Street, Phase-1, DHA

Karachi.

#### **OBJECTIVE**

To work in an organization where I can use my skills and knowledge to deliver value added results as well as further enhance my learning and develop my career in the field of Electrical Engineering.

#### **EXPERIENCE**

#### Defence Housing Authority (DHA), Karachi.

<u>Duration:</u> From May 2021 till Now (more than 1 year)

Designation: A/QS (E/M)

Department: Design & Contract Directorate

Kev Responsibilities:

Vetting of Electrical Design of all major power projects. Including multi stories building projects. Contracts management like Reviewing of bidding documents, tenders, BoQs & Proposals etc. Evaluation of technical bids. Variation Orders, Rate Analysis and Measurement Books. Enlistment and Pre-Qualification of Contractors, Suppliers and Consultants

#### NQ-Electric

Duration: From Oct 2017 to May 2021 (3 Years and 8 Months)

Designation: Site Engineer (Electrical)

Key responsibilities:

Management of E/M work at the site and Coordination with consultant and

project Manager.

Installation and Maintenance of Electrical & Telecommunication systems in multi stories

Building projects.

Installation, connections and commissioning of Distribution Panels (DBs)

Connections of CCTV Cameras, WIFI devices and fire alarms Systems

Installation and Maintenance of ATS Panels, UPS Units and generators etc.

Preparation of electrical "As build" drawings.

Preparation of Cost estimation, measurement sheets and final Bills.

#### Hyderabad Electric Supply Company (HESCO)

Duration: From Aug 2016 to July 2017 (1 Years)

Designation: Trainee Engineer

Field of work

Worked as trainee under PM Youth Training Scheme at HESCO in the department of distribution & maintenance at subdivision. Observed the procedure of repairing and maintenance of transformer and correction of 11KV & 400/230V line faults.

Jamshoro Power Company Limited

Duration: From April 2016 to July 2016 (3 Month)

Designation: Internee Engineer

Field of Work

Internship in Generation and Administration Department

#### **EDUCATION**

#### BE ELECTRICAL

NED University of Engineering & Technology, Karachi

Jan 2012 to Jan 2016

Percentage: (69.92%)

ist Division

Major: Power

#### Higher Secondary School Certificate (Pre-Engineering)

Read Foundation College. Bhimber (AJK BISE Mirpur) 2009-2011

Percentage: 87.5%,

A-1 Grade Major: Mathematics

Secondary School Certificate (matriculation)

Read Foundation School Pindi (AJK BISE Mirpur)

2007-2009

Percentage: 90.2%, A-1 Grade

#### FINAL YEAR PROIECT

#### Modeling, Analysis and Protection Coordination of NED University Network.

ETAP was used in this project to perform load flow analysis and short circuit analysis on NED network then protection coordination was done by using different relays and Protection scheme.

#### **ACHIEVEMENTS**

#### <u>Scholarship</u>

Got Merit base Kashmir Council scholarship for 4 Years of University education.

#### Talent Awards

Got Gold Medal from PM of the State because of brilliant performance in matriculation examination

#### SOFTWARE SKILLS

MS Office

ETAP AutoCAD



#### Shakaib Najam

Electrical & Electronic Engineer

An organized individual with a substantial training and knowledge in the field of Electrical & Electronic Engineering evident with the courses there taken and the degree that I have achieved with good grades overall, Looking for a position in a future oriented company with a professional environment and an aim for growth and development both personally and professionally.

the shakalbrajam@gmail.com

🗣 Bahria Town Karachi, 75340, Karachi Pakistan

#### WORK EXPERIENCE

#### Application Engineer BRITLITE ENGINEERING COMPANY

01/3013-10/513)

Yamchi, Pakiston

Authorized Sets Distributes and Oppinnen Solution Provides for complete ration of Oral Med Continue English and Let Will be complete.

#### Achievements (halo

- Dealing in various Electrical & Electronic products and representing world renowned brands, For instance, Earthing Systems (Furse-UK, Lightning Protection Systems (LPI-Australia), Automatic Voltage Regulators (Ortea-Italy), UPS (APC-USA), Generators (ARKEN-Turkey), etc.
- Seeking new opportunities and joint ventures and approaching potential organizations on Domestic as well as international level.
- Corresponding with reliable local and international dealers for acquiring products that best matches with client's specifications in extremely competitive rates thus coming up with cost-effective proposals for existing as well as potential clients.
- Elaising with customers on regular interval to ensure timely closing of projects within agreed budget and maintaining contacts with them to ensure high levels of customer satisfaction
- Managing projects from initiation, pre-production all the way to completion and providing hassle-free after sales support by forming Service-Level Agreement with clients.
- Carrying out inspections and troubleshooting of electrical/electronic products with a team of trained technicians at various sites for swift and effective resolution of issues to minimize the critical downtime faced by clients.

#### Estimation Engineer AHMED ELECTRICAL SERVICES

11/2016 - 03/2017 Katachi, Pakataa Megik Bactacoi Coracetur willa spechity in translaad Electrification. Planting it installation Societics.

Achinements/Tests

- Evaluating Deisgn Layout of project work scope.
- Conducting feasibility studies of various projects to estimate the time, material and labor costs.
- Preparing tenders & contracts of different scales, i.e. Emaar Residential Towers, Navy Housing Scheme and Sindh Engro Coal Mining Company Ltd., etc.
- Multi-task effectively prioritized independently and met tight deadlines

() +92-331-23103SB

in linkedin.com/in/shakaib-najam-086762b7

#### EDUCATION

B.Engg. (Hons.) Electrical & Electronic Asia Pacific University of Technology and Innovation, Malaysia and Staffordshire University, UK

2010-2015

Harda Lumper, Maleyara

HSC Certificate from FBISE Board, Pakistan. Model Pakistan Academy Kuwait

29/8-2010

Ahmad Krishit

SSC Certificate from FBISE Board, Pakistan Model Pakistan Academy Kuwait

2014 - 2018

Abraacli, Kuwali

#### SKILLS



#### CERTIFICATES

Theory, Maintenance, Commissioning of Digital - Static Voltage Stabilizer, Power Factor Correction Systems by ORTEA, Italy. (2019)

GOETHE-ZERTIFIKAT A1 - START DEUTSCH 1 by GOETHE INSTITUT (2018)

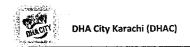
Membership of Institution of Engineers, Pakistan (IEP) (2018 – Present)

Registered Engineer, Pakistan Engineering Council (PEC) (2017 - Present)

Electrical Design for Hi-Rise Buildings by Skill Development Council (SDC) - Pakistan (2016)

Electrical Power Distribution Systems & Planning (11kV/440V) by Skill Development Council (SDC) - Pakistan (2016)

Page tof 2



#### WORK EXPERIENCE

#### Assistant Engineer - Hyperstar Project | Lucky One Mall AHMED ELECTRICAL SERVICES

01/2012 - 11/3616

Karauli Ankleton

Matter Clarificat Continues will consider by be tailed to be a lice time. Planung & Including on Services

Action community Texas

- Performed detailed study of project drawings and reviewed BOQ items accordingly.
- Highlighted the points that are discussed in the meetings.
- Supervised a team of 6 technicians to create pathways for installation of Power, Lighting, Fire Alarm, CCTV, Access Control & Public Address Systems in compliance with engineering work ethics and international standards and safety codes.
- Prepared as-built drawings & punch list against the actual work scope executed at project site.
- Verified the electrification works of 3 Sub-Contractors deployed on different sites of the project against mutually agreed scope of work for billing purpose.
- Active learner and effective communicator-practices good Judgment and discretion while working closely with all type
- Promoted to the designation of Estimation Engineer after working for only 10 months on the job.

#### intern CONTROL EASY TECHNOLOGY SDN. BHD

07/2013 - 10/2013

Leading repution turing company providing vision and Control Authorities & Ediscotting Control Training Equipment.

Achievements/Tasks

- Gained knowledge about general problem solving and troubleshooting of electronic products.
- Gained an insight into problem solving as well as, numerical and analytical skills
- Bullt collaborative rapport with associate Engineers to effectively accomplish the assigned tasks
- Successfully performed data gathering and image processing for the detection of defects in PCB flux using MATROX vision
- Convinenced for productively completing the thesis on detection of PCB flux defects.
- Worked on daily report writing

#### LANGUAGES

UROU

ENGLISH

Metamor Blanqual Proficiency

Full Professional Proficiency

CERMAN

Elia statory Proficiency

CHINESE Elementary Professory

ARABIC Elementary Profesency

#### REFERENCES

Will be furnished upon request

#### ANNEX -C-8

## PROFILE OF SUB-CONTRACTORS, IF ANY, ALONG WITH EXPRESSIONS OF INTEREST OF SUCH SUB-CONTRACTORS

Please see the document appended herein below.

#### Item No. 13

#### Profile of Sub-Contractors, If Any, Along With Expressions of Interest of **Such Sub-Contractors**

DHA is presently involved in Electrical Infrastructure Development in Phase VII-Extension, Phase VIII and DHA City, where all planning and design of Electrical network and tender documents are prepared and issued by M/s Osmani & Company Pvt (OCL).

Work is being performed through various pre-approved and well known National Contractors, like M/s Frontier Works Organization (FWO), M/s National Logistic Cell (NLC), M/s Badar Engineering Works (BEW), M/s Zaffar Enterprises (ZE), M/s Qaiser Electric, M/s PEL etc under the supervision of Consultant M/s Osmani & Company Pvt. Ltd.

### VERIFIABLE REFERENCES IN RESPECT OF THE EXPERIENCE OF THE APPLICANT AND ITS PROPOSED SUB-CONTRACTORS

The document containing the verifiable references is appended herein below.

Furthermore, please refer to the listed experience of DHA Karachi in its company profile appended as **Annex C-6**.

#### Item No. 14

## Verifiable References in Respect of The Experience of The Applicant And its Proposed Sub-Contractors

The **Defense Officers Housing Authority (DHA)** is one of the most organized real estate managers and developers in Public Sector, operating in the metropolitan area of Karachi as well as other big cities of Pakistan like Islamabad, Lahore, Gujranwala, Multan, Quetta etc. It has expanded its expertise and acquired new land for development of state of the art project known as *DHA City Karachi (DHAC)* comprising of DAHC North, DHAC South and DHAC South Extension, located on Superhighway, which will have facilities comparable to developed countries, filling a large gap in development.

Presently *DHAC* is carrying out Electrical Infrastructure works in *DHAC South Sector 1, 3,* 14 and *Gateway District* with limited work in other sector(s) to extend electrical network through different certified national contractors, which include *M/s Frontier Works Organization* (FWO), *M/s National Logistic Cell (NLC)*, M/S *Schneider, M/S Qaiser Electric, M/S M/S Zafar Enterprise (ZE), M/s PEL, M/s Badar Engineering Works (BEW), M/S Expert Contracting, and others.* The said contractors have already started work on site under supervision of *M/s Osmani & Company Pvt. Ltd. (OCL)*. M/s OCL have vast experience as leading Consultant in Integrated Planning, Engineering and Infrastructure Design and Development for various National and International Projects.

A number of reputed Contractors and vendors have shown zeal in electrical infrastructure works in DHAC.

# V. FINANCIAL AND TECHNICAL PROPOSAL

#### ANNEX - D

## TECHNICAL AND FINANCIAL PROPOSALS FOR THE OPERATION, MAINTENANCE, PLANNING AND DEVELOPMENT OF THE PROJECT

The technical and financial proposals for the operation, maintenance, planning and development of the DHA City project are appended herein below.

#### Item No. 15

#### Technical and Finical Proposals in Reasonable detail for the Operation. Maintenance, Planning and Development of the Facility or System in respect of Distribution Service

#### TECHNICAL PROPOSAL

#### 1. FUNCTIONAL DEPARTMENTS OF DISCO

A typical Distribution Company has following departments for its Technical operation, maintenance, planning and development of the facility, for the ease in working as per its task and scope:-

- TECHNICAL DEPARTMENT
- **OPERATIONS DEPARTMENT**
- METER TESTING DEPARTMENT
- POWER DISTRIBUTION CONTROL (PDC) DEPARTMENT
- BILLING AND METER READING DEPARTMENT
- CUSTOMER SERVICE DEPARTMENT
- SAFETY DEPARTMENT
- FINANCE / LEGAL DEPARTMENT
- ADMIN DEPARTMENT
- HR DEPARTMENT

#### 2. TECHNICAL DEPARTMENT

#### TASKS:

- Technical specification of the equipment/material.
- Standards/codes to be followed for design parameters.
- Planning of Power distribution as per NEPRA codes/Regulations (primary, secondary and tertiary).
- Performance test/evaluation of supplier's equipment.
- Procurement Plan for infrastructure material, accessories and others.
- Execution/Construction of the proposed plan and undertaking of Expansion Plans.

The Department shall comprise of:-

- · Planning & Design Dept.
- Standards/Specification Dept.
- Material Management Dept.
- Project Execution/Construction Dept.

#### 3. OPERATIONS DEPARTMENT

#### TASKS:

- Operation and maintenance of distribution system.
- Operation and maintenance of Sub-Transmission and Grid.

#### The Department consists of the following:-

#### Operation and Maintenance (Distribution System)

The Operation and Maintenance (Distribution) is responsible for smooth operation and maintenance of the electrical distribution system at 11 kV and 400/220V i.e upto end consumer. Policy guidelines, schedules and authorization for maintenance of feeders are issued to the operating centers in the field and followed by frequent inspections carried out to ensure complete compliance.

The department shall also have a civil engineering team for design, construction and maintenance of all civil works including buildings /Cable Tranches/ Electrical Equipment Foundations/ Switch Rooms etc. The department will carry out below operation and maintenance activities:-

- Day to Day Operation
- System shut downs operation in case of Work/Fault
- Back feeding and restoration operation at Feeder/Distribution transformer.
- Corrective Maintenance
- Preventive Maintenance
- Annual Maintenance

#### Operation and Maintenance (Transmission and Grid Station)

The Operation and Maintenance (Transmission and Grid Station) is responsible for smooth operation and maintenance of electrical network at 132kV including grid stations and transmission lines inside DHAC. The department carries out its functions in the field by issuing guidelines, schedules and authorization of preventive and maintenance programs. The department will carry out below operation and maintenance activities:-

- Monitoring on day to day Operation
- System shut downs operation in case of Work/Fault
- Back feeding and restoration operation at grid transformer.
- Corrective Maintenance

- Preventive Maintenance
- Annual Maintenance

#### 4. METER TESTING DEPARTMENT

The meter testing department carries out testing, calibration and repair/replacement of instruments along with testing, calibration and installation of residential / commercial ToU Energy Meters, CTO Meters, HT BS Meters, VCB relays and related equipment.

In addition Meter testing department will also notify for any abnormal meter performance attributed towards the consumer on account of misuse of energy.

#### 5. POWER DISTRIBUTION CONTROL (PDC) DEPARTMENT

SCADA & Load Dispatch Centre.

The entire network as planned for 132kV shall be monitored, controlled and operated through Load Dispatch Centre having Supervisory Control and Data Acquisition (SCADA) facilities, HMI and Smart Grid System.

SCADA includes.

- Data collection equipment
- Data transmission equipment
- Data monitoring equipment
- Human-machine interface (HMI)

The input is from the field comprising all the equipment relating to 132 kV, transformer, switchgears transmission line cable etc. Through interface cubicle and Remote Terminal Units (RTU), data is transmitted through PLC/Fiber Optical channels which is received in the Master Station, having data processing facilities with SCADA Servers.

SCADA as shown in Figure 1 servers provide full information to the Load Dispatch Centre, through Human-Machine Interface, for monitoring, control and operation of the entire network.

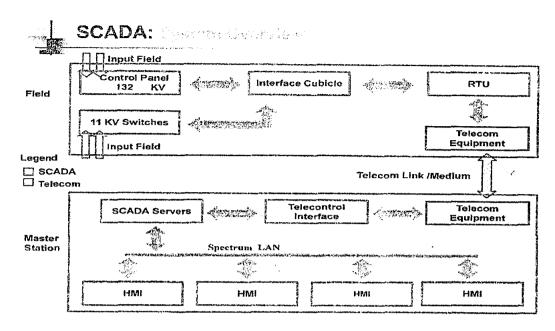


Figure 1: SCADA & LOAD Dispatch Facilities

For integrated power system SCADA facilities are essential as per NEPRA Grid

#### 6. BILLING AND METER READING DEPARTMENT

#### Task:

- Billing and Meter Reading
- Theft Detection
- Recovery & Collection

#### BILLING AND METER READING

Meter reading of all the consumers will be carried out on a routine basis each month to record the consumption of energy consumed by each consumer during a given period (billing cycle/billing month). The meter reading is generally taken/recorded by the concerned staff. The meter reading program shall be prepared in such a way that the meters are normally read on the same dates each month.

Taking snapshots of meter readings of all consumer categories is mandatory. Meter readings are taken through mobile snapshots/hand held units to ensure correct readings.

The snapshots of meter reading including Net Metering facility wherever applicable

showing import and export units will be printed on electricity bill. Record of snapshots for twelve months for each consumer shall be kept.

#### Theft Detection

Meter Readers shall also check the irregularities/discrepancies in the metering system at the time of reading meters / taking snap shots and will be reported through discrepancy code. Surveillance program for electricity theft while incorporating countermeasures.

Any theft/discrepancy detected in the meter, the lost energy units will be charged as per NEPRA CSM-21.

#### **Recovery & Collection**

The due date for payment of bills shall be within fifteen (15) days from the issue date of the bills. However, the consumers will have clear seven (7) days from the date of actual delivery of the bill for the purpose of payment.

All Commercial Bank Branches and Post Offices of the respective City/District where connection exists shall be collecting electricity bills from consumers who have been given option to deposit their electricity bills in any designated bank branch/post office. Online payment and payment through ATM Card/Credit

Cards or through cross cheques at designated bank branches can also be made where possible. NADRA KIOSK are also authorized to collect electricity bills.

LPS will be charged on late payment of bill. Consumers default to pay within due date shall be shill be approached through recovery team to avoid disconnection as per the guide lines staed in NEPRA CSM -21.

#### 7. CUSTOMER SERVICES DEPARTMENT

#### Tasks:

- Preparation of standardized Consumer Service Manual (CSM).
- Provision of Service Criteria.
- Resolving customer complaints concerning individual specific or general technical and tariff issues.

- Processing/ sanctioning of various incentives for customers and employees introduced from time to time.
- Implementation of commercial policies
- Monitoring and management practices of recovery process.
- Making Policies and procedures to ensure consumer services.
- Sanction, contract management and monitoring of specialized electricity consumptions.
- Compilation of statistical data and management returns.
- Coordination with IT department for normalizing effective billing program.

#### 8. SAFETY DEPARTMENT

The safety department is an important department in any utility company, it ensures that the system is operated and maintained in compliance with the statuary provisions regarding safety for the employees and the public. Frequent inspection are to be carried out and safety procedures and training are imparted to employees from time to time. Key functions of safety department are:-

- Provision of PPE and SPE for personal.
- Line isolation procedures/policy of live equipment/cable compliance.
- Work permit check.
- Regular safety talks and safety drills.
- Safety trainings to all employees/staff/third party.
- Emergency safety drills.
- Investigation and remedial action on any safety incident.

#### 9. FINANCE / LEGAL DEPARTMENT

The finance department has overall responsibility of managing Finances of the Company and assists management's strategic financial decision making. The department controls financial activities of the company.

Legal department will deal with all Litigation/Court/NEPRA/ Federal Ombudsman matters as against the complaint of consumers.

This Finance/Legal Department shall have:

- Corporate Account Section (corporate A/C, Admin, payroll etc.)
- Corporate Planning & Control Section (Budgeting, Loan management etc.)
- DISCO Accounts section (Pre Audit, payments, funds etc.)
- Field Formation Account Section (Receivables/payables, Financial reporting, Fixed Assets etc.)
- Legal Section (Legal representation in handling matters, Tariff structuring and management of other tariff related matters and dealing with NEPRA from time to time)

#### 10. ADMIN DEPARTMENT

The department shall be primarily responsible for:-

- Logistic and transportation
- Security of assets and personal
- Employee's benefits and medical services
- General administration, office management, inventory of general consumables, office supplies, furniture, lighting and air conditioning and stationary.
- Bill printing and distribution from third party
- Telephone/IT service management
- Scheduled maintenance of office equipment

Janitorial services and hygiene

#### 11. HR DEPARTMENT

Human Resource department shall be responsible for recruitment and placement of the right people to the right job and develop the policies guidelines and procedures for

- Manpower planning/budgeting.
- Recruitment and selection.
- · Career planning and promotions.
- Annual appraisal performance management.
- Employee and grievance and complaints
- Compensation and benefits administration.
- Training and development.
- Leave policy.
- Disciplinary cases.

#### INITIAL FUNCTIONAL DEPARTMENTS

The typical functional departments of DISCO will take time to establish based on the load/consumers growth. Therefore, to start DISCO activities in an initial setup following departments with limited manpower/third party contract will be made functional, to handle DISCO activities:-

- TECHNICAL DEPARTMENT
- OPERATIONS DEPARTMENT
- BILLING AND METER READING DEPARTMENT
- CUSTOMER SERVICE DEPARTMENT
- SAFETY DEPARTMENT
- ADMIN DEPARTMENT



#### FINANCIAL PROPOSAL

#### DHAC ELECTRICAL INFRA ASSETS/EXPENDITURE

C NI-	Item Description	UNIT	DHAC Assets		
S. No.	item bescription	OIVII	QTY	COST	
1	Step up Transformer				
а	7.5 MVA (At Lucky)	Nos.	2.0	20,124,000	
b	1000 kVA	Nos.	1.0	20,475,000	
2	Switch Panels	_,			
а	6.3 kV	Nos.	3.0	5,000,000	
b	11 kV	Nos.	2.0	4,700,000	
3	MV/LV Cables				
а	11 kVA Cable 400mm²	Meter	58,483.50	284,479,209	
b	11 kVA Cable 300mm²	Meter	37,664.00	164,103,812	
С	MV Cable 630mm ²	Meter	1,200.0	11,301,000	
d	LV Cable (all different sizes)	Meter	101,988.00	212,632,340	
	300,240,185,150,120,70,25 & 16				
4	Ring Main Unit				
a	3,4 & 5 Way (RMU)	Nos.	25.0	194,900,000	
5	PMU	· , · · · · · · · · · · · · · · · · · ·			
а	500kVA with RMU	Nos.	42.00	352,655,250	
b	500kVA with KIOSK	Nos.	20.0	143,597,004	
С	100kVA	Nos.	19.0	24,726,380	
6	KIOSKs	····			
а	(Switching Station)	Nos.	19.0	119,816,301	
7	Switch Room				
а	6.5/11kV & 11kV/400V Civil Cost	Nos.	2.0	6,034,284	
8	VCB				
а	11kV	Nos.	6.0	13,330,980	
9	Feeder Pillar Box				
a	Polymer Type	Nos.	410.0	701,857,639	
b	Fiber Type	Nos.	69.0	40,200	
10	Energy Meter		····		
а	CTO/Three Phase/Single Phase	Nos.	142.0	6,424,400	
11	Street Lights/Poles				
а	Solar Street Lights	Nos.	308.0	30,669,200	
b	Conventional Street Lights	Nos.	1,404.0	50,769,000	
С	Street Light Control Panels (SLCP)	Nos.	11.0	1,856,000	
d	Poles (6, 8, 10, 12 & Globes)	Nos.	1,508.0	24,885,500	
12	Solar Systems	· · · · · · · · · · · · · · · · · · ·			
	Solar Systems	Job	3.0	250.050.123	
<u>ь</u>	Inverter (Solar Panel)	Nos.	111.0	359,056,123	
13	Gen-Sets				
a	30/40/60/150/350/650 kVA	Nos.	27.0	30,084,262	
	Installation				
a	Cable laying and Equipment installation	Cum/cft	237,979.0	409,758,339	
15	Earthing	,t	······································		
a	MV/LV Network	Job/Mtr	1,428.0	28,888,595	
	Total			3,222,164,818	
	Withheld and will be released after Closing of Projs			207,605,703	
	Amounts Paid			3,014,559,11	
16	OCL Consultancy & Design fees			123,924,094	
	Total			3,138,483,209	
17	Work in Progress + Amount Payable on open Contracts			619,994,190	
	Grand Total For Electrical Infra			3,758,477,399	

## VI. FEASIBILITY STUDY

#### ANNEX - E-1

#### **FEASIBILITY STUDY OF THE DHA CITY PROJECT**

Please refer to the documents appended herein below as Annex E-2, E-3, E-4, E-5, E-6, E-7, E-8.

## THE TYPE, TECHNOLOGY, MODEL, TECHNICAL DETAILS, OPERATIONAL CHARACTERISTICS, SYSTEM INTERCONNECTION AND DESIGN OF THE FACILITIES OR SYSTEM PROPOSED TO BE ACQUIRED, CONSTRUCTED DEVELOPED OR INSTALLED

The Type, Technology, Model, Technical Details, Operational Characteristics, System Interconnection and Design of the system are appended below:

Furthermore, the type, technology and technical details for the distribution system are also provided in Annexes F-8, F-9, F-10 and F-12.

#### Item No. 16

## The Type, Technology, Model, Technical Details And Design of The Facilities Proposed To Be Acquired, Constructed Developed or Installed

#### 1. THE TYPE, TECHNOLOGY, MODEL & TECHNICAL DETAILS

#### **DISTRIBUTION FACILITY**

Type, technology and technical details for Distribution System are given as under:-

#### **DESIGN CRITERIA**

The DHAC Electrical Distribution shall meet following requirements:

- > High reliability
- > Safe operation
- > Route protection
- Redundancy
- > Reliable technology
- > Easy to maintain and troubleshoot
- Environmentally protected
- > Cost effective



#### **SYSTEM CONDITIONS**

NORMAL SYSTEM VOLTAGE		HV	132,0	00 Vol	ts
	********	MV	11,00	0 Volts	<b>.</b>
		LV	400 V	olts/	
HIGHEST SYSTEM VOLTAGE		HV	145,0	00 Vol	ts
		MV	12,00	0 Volts	5
		LV	440 V	olts/	
PHASES:		MV	3		
		LV	3 (4 v	vire)	
FREQUENCY:		HV/MV/L	_V	50	Hz
RATED SHORT CIRCUIT CURRENT:		HV	50	kA	
RATED SHORT CIRCUIT CURRENT:		HV	50	kA kA	
RATED SHORT CIRCUIT CURRENT:					
RATED SHORT CIRCUIT CURRENT:  BIL (Basic Impulse Level)		MV	20	kA	
		MV	20	kA	
BIL (Basic Impulse Level) Lightning Impulse Withstand Voltage	(132 kV)	MV LV 650 75	20 46 kV kV	kA	
BIL (Basic Impulse Level)	(132 kV) (11kV) (132kV)	MV LV 650 75 275	20 46 kV kV	kA	
BIL (Basic Impulse Level) Lightning Impulse Withstand Voltage	(132 kV)	MV LV 650 75	20 46 kV kV	kA	



#### SYSTEM EARTHING

Neutral Grounded through resistor at Grid-Station to limit the earth fault current.

#### **CLIMATE CONDITIONS**

Max Ambient Air temperature		50 °C
Max Daily Average temperature		40 °C
Min Ambient Air temperature		O °C
Max Ambient Air temperature		
on Exposed Horizontal surface		60 °C
Highest Radiation intensity		1000 W/m²
Max relative humidity		95%
Isokeraunic level		9.7 Days/Annum
Altitude	AL 44 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL 45 AL	Sea Level
Location		Semi desert
Pollution		Wind-blown sand

# 2. FEEDER PILLAR BOX

# Fuse Type FPB

LV Distribution Feeder Pillar Boxes (6, 8, 10 Way) shall be used for providing service connection to consumers. The incoming & out going circuits shall be of 4 core 70/120/240 mm² Cu or 4 core 95/150/300 mm² Al armored cables as per load requirement and shall be connected at incoming & outgoing main HRC detachable Fuses of 315 Amps. The fuse bases shall be of same rating as fuses.

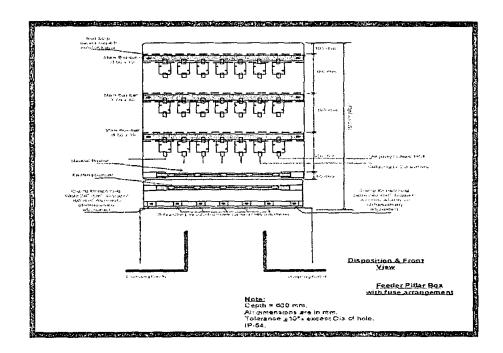
#### **BUS BAR:**

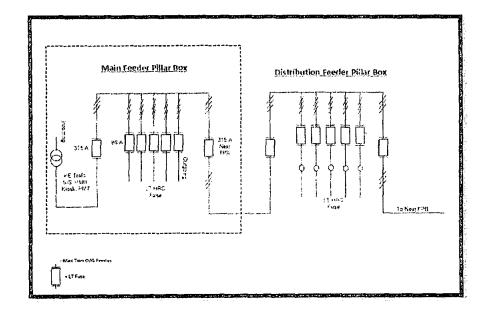
Bare Aluminum bus bars shall be installed. The bus bars shall be marked with Red, Yellow, Blue, Black & Green (R, Y, B, N and Earth) color for identification.

The Aluminum bus bars shall have the following Electrical/Mechanical characteristics as mentioned.

Description	Values	Unit	
Material	Aluminum (1350)		
Tensile Strength	80 (Tolerance of -1%)	N/mm Sq	
Electrical Resistivity	2.83	M ohm cm	
Density	2.70	g/cm3	

Typical sample layout for 6 way FPB as below:-





#### MCCB TYPE

The feeder pillar housing shall have front and rear compartment. A suitable sheet of insulating material shall be provided for separation between front and rear compartment. The rear compartment shall contain LV main 600 A TPN+E bus bar, MCCB, CT operated 3 phase, 4 wire electronic AMR Energy meter, set of current transformers.

The front compartment shall contain LV distribution 300 A TPN+ E bus bar outgoing MCCBs for consumer feeders. Incoming MCCB shall be connected between main and distribution Bus bar and distribution bus bar onward shall feed the outgoing MCCBs for consumer feeders. The rear compartment shall contain LV main 600 A TPN + E bus bar, MCCB, CT operated 3 phase ,4 wire Electronic AMR energy meter, set of current transformers. The front compartment shall contain LV distribution 300A TPN + bus bar and outgoing MCCBs for consumer feeders. Incoming MCCBs shall be connected between main and distribution bus bar and distribution bus bar onward shall feed the outgoing MCCBs.

#### 3. PAD MOUNTED UNIT (PMU)

This specification describes the design of the 500 KVA Transformer Pad Mounted Unit to be used in distribution network shall be IP54 compliant, suitable for outdoor use. The pad mounted transformer shall be suitable for installation in the three phase underground 11KV distribution system of the following characteristics:

i.	Nominal system voltage	 11 KV
ii.	System highest voltage	12 KV
iii.	Frequency	 50 Hz

#### MV COUPLING COMPARTMENT

The enclosures for MV Coupling Compartment for linking the RMU to the 500 KVA Distribution Transformer shall be through insulated Flexible Bus bar arrangement connected to the HT Bushing of RMU and the Transformer HT bushing, and shall be tested for insulation levels:

7	Lightening impulse withstand voltage	75 KV
$\triangleright$	One minute power frequency withstand voltage	28 KV

The MV side shall consist of RMU with the additional features of bushing CTs & transformer current feed time over current relay for protection of the 500 KVA PMU Transformer and wooden cable holding cleat for support of HT cable.

The rating of incoming and outgoing LT TP MCCBs for LT Compartment can be varied as per the need and requirements of load. The LT Circuit Breaker shall comply with the below requirement or as per the loading conditions:-

Option-I (Provision shall be provided for insertion of 240/300 mm2 Lugs)

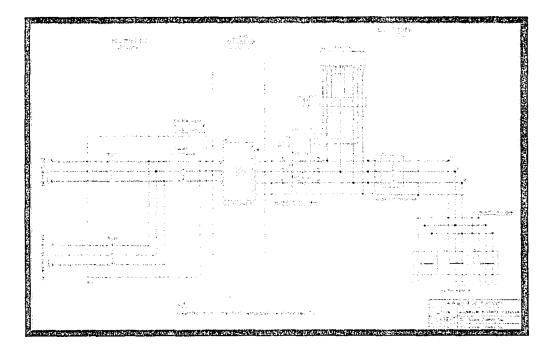
- i. 01 Number TP MCCB 630 Amps LT Circuit Breaker (Incoming)
- 03 number TP MCCB 250 Amps LT Circuit Breaker (Outgoing) ii.

Option-II (Provision shall be provided for insertion of 240/300 mm2 Lugs)

- 01 Number TP MCCB 800 Amps LT Circuit Breaker (Incoming) İ.
- ii. 02 Number's TP MCCB 400 Amps LT Circuit Breaker (Outgoing)

PMU rating shall not be limited to 500kVA and with enclosed RMU, it shall vary as per design requirement to 100/200/400kVA PMU.

Typical layout / Single Line diagram of PMU:-



Circuit breaker ratings with corresponding transformer ratings are mentioned in below table:

							***
1	10	280	14	11	40	Fixed	Fixed @ 10 In
2	15	420	21	17	40	Fixed	Fixed @ 10 In
3	25	680	34	28	40	Fixed	Fixed @ 10 In
4	50	1380	69	55	80	Fixed	Fixed @ 10 In
5	100	2760	133	110	160	9.8 In	5/10 In
6	150	4120	206	165	200	0.8 In	5/10 ln
7	200	5500	275	220	250	0.8 tn	5/10 ln
3	250	6880	344	275	4C0	მ.მ In	5/10 ln
9	400	11000	550	440	530	0.8 In	5/10 In
10	500	13760	688	550	800	0.8 In	5/10 ln
11	630	17340	867	594	1000	ე. <b>8</b> In	5/10 in
12	750	20540	1032	826	1200	0.8 In	5/10 in
13	1000	27520	1375	2101	1600	0.8 In	5/10 In
14	1500	41280	2064	1651	** (1x800 1x1600)	0.3 In (Both)	5/10 in (Both)

### 3. UNDERGROUND LV CABLES:

Equivalent sizes for XLPE aluminum cables against PVC copper cables with reference to the Current Carrying Capacities requirements as given below:

Size (sq.mm)	Ampacity (Amps)	Equivalent Size (sg.mm)	Ampacity (Amps)	
16	69	16	60	
35	108	35	91	
70	158	95	160	
120	216	150	205	
240	314	300	303	

Where, Ambient Ground Temperature = 20°C, PVC Correction Factor at 30°C = 0.89, XLPE Correction Factor at 30°C = 0.93, Current ratings are calculated as per **IEC 60364-5-52 2009-10**.

## 4. SWITCHING STATION

## RING MAIN UNIT (RMU)

This part specifies SF6 insulated metal enclosed ring-main unit designed for indoor use for alternating current of 630A at rated voltage of 12kV and 50Hz frequency. The equipment is required for MV distribution network for ring and T-Off.

The ring main unit shall conform to the following IEC standards: 62271-1. 62271-100, 62271-102, 62271-103, 62271-200 (latest applicable) and other relevant standards

#### TECHNICAL SPECIFICATION FOR RMU

#### 1. 11KV bus bar

ĺ.	Material	Copper
ii.	Current carrying capacity	
	a. @ 40 deg C	630 Amps
	b. @ 50 deg C	570 Amps
iii.	Short time rating current	20kA for 3 sec
iv.	Bus bar insulation	SF6

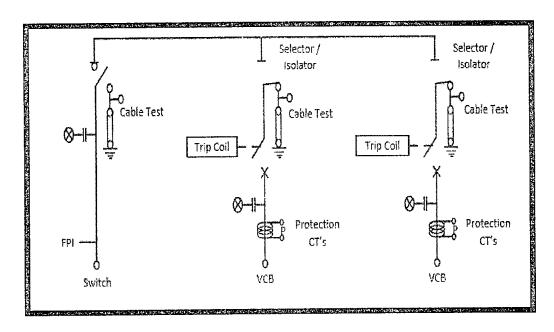
#### 2. High Voltage Switch

i.	Nominal system voltage	11 kV
ii.	Highest system voltage	12 kV
iii	Highest voltage for equipment	12 kV
iv	Rated impulse withstand voltage	95 kV
V.	One minute power frequency withstand volta	age 38 kV

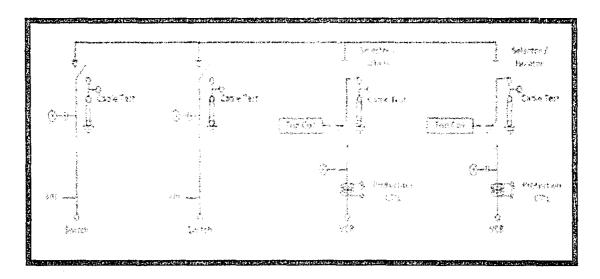
vi.	Rated frequency	50 Hz
vii.	Rated normal current	630 Amps
viii.	Rated short-time current	20 kA for 3 sec
ix.	Rated peak withstand current	50 kA
Χ.	Rated short circuit making capacity	50 kA
xi.	Insulating gas	SF6
xii.	Endurance Class (As per IEC 62271-103 lates	t publication)
	a. Mechanical Endurance	M2(5000)
	b. Electrical Endurance	E3

Typical layout diagram of RMU:-

# 3-Way 2 Side Protection RMU



### 4-Way 3 Side Protection RMU



#### **Kiosk Sub Station**

The kiosk substation shall be compact and outdoor type design.

- The kiosk sub- station shall have four (04) compartments each one shall house the equipment as under.
  - i. MV VCB Switchgear panels- Three Numbers
  - ii. Oil filled distribution transformer-kVA Rating 1000/750/500
  - iii. LV panel

The Kiosk shall be complete in all respect with inter connection between MV switchgear and MV distribution transformer and between LV side distribution transformer and LV panel.

# 5. GENERATION FACILITY

Following are the Power Sources/Generation available at DHAC Karachi:-

- (i) 1.5 MW of PV Solar Power Generation
- (ii) 1.61 MW of Diesel Generation (Backup)
- (iii) 5 MW, 2 x feeders form M/s Lucky Cement Ltd via KE.

Following are the various sources of Power Generation (currently under consideration):

- (i) Solar 1.5 MW with backup batteries
- (ii) Wind 3 x 2 MW turbines
- (iii) 132 kV external power source

Following are the various sources of Power Generation (long Term design consideration):

- (i) Solar 50 to 60 MW
- (ii) Wind 50 MW
- (iii) Bio-mass/organic waste 40 MW
- (iv) External (Conventional) 350 MW



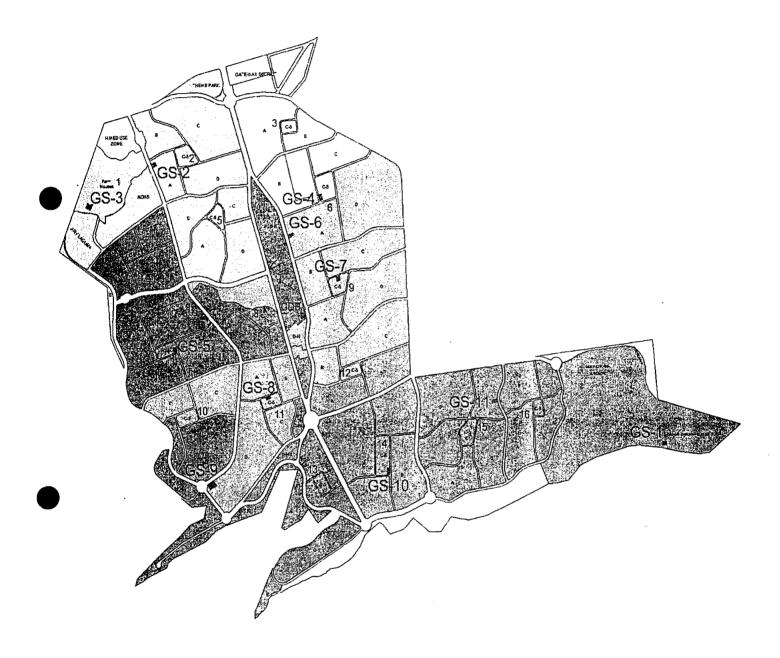
# DESIGN OF THE FACILITIES PROPOSED TO BE ACQUIRED, CONSTRUCTED DEVELOPED OR INSTALLED

Layout design of the facility are as under:-

- 1. Grid locations for DHAC (S) is attached as Annexure-A.
- 2. Typical Single line Diagram of 132kV GIS Grid Station as Annexure-B.
- 3. Typical layout plan of 132/11kV GIS Grid Station as Annexure-C
- 4. MV/LV of design for DHAC (S) sector 1, 2, 3, 7, & 14 attached as Annexure-D.

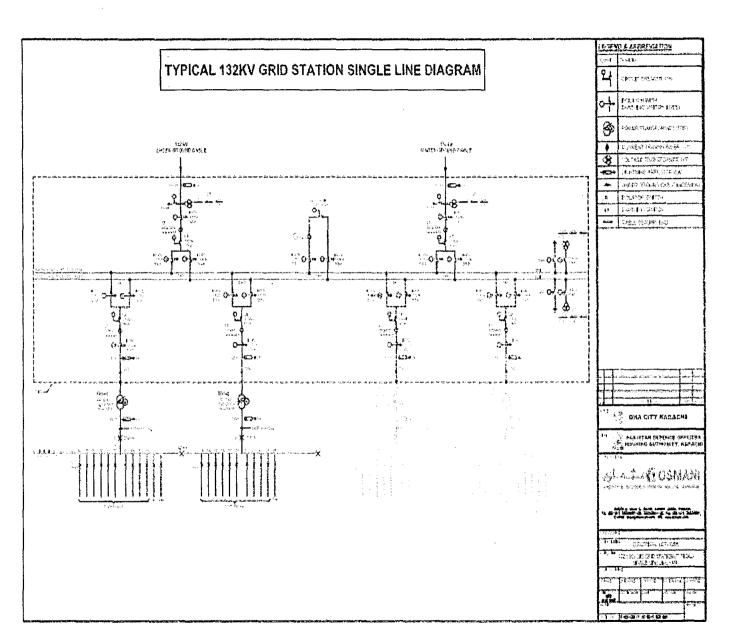
# Annexure-A

# GRID LOCATIONS FOR DHAC (South):



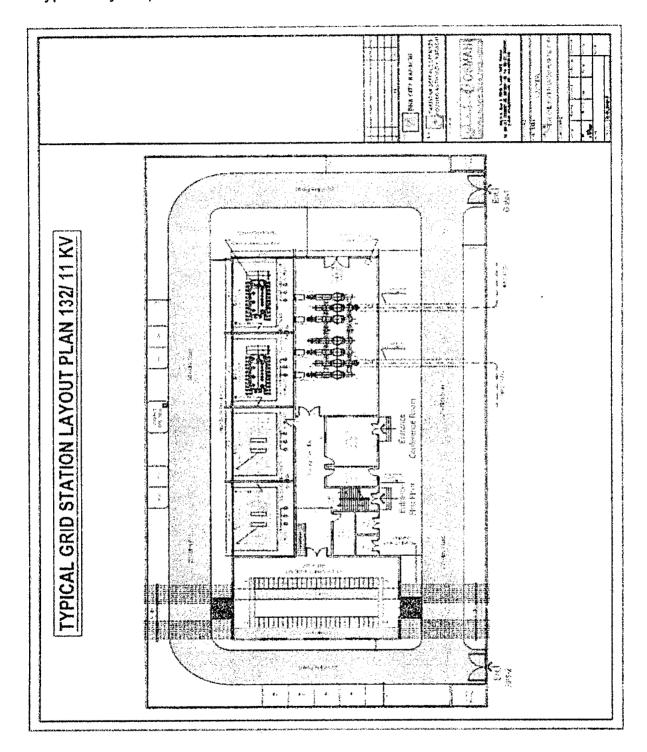
# Typical Single line Diagram of 132kV GIS Grid Station

Annexure-B



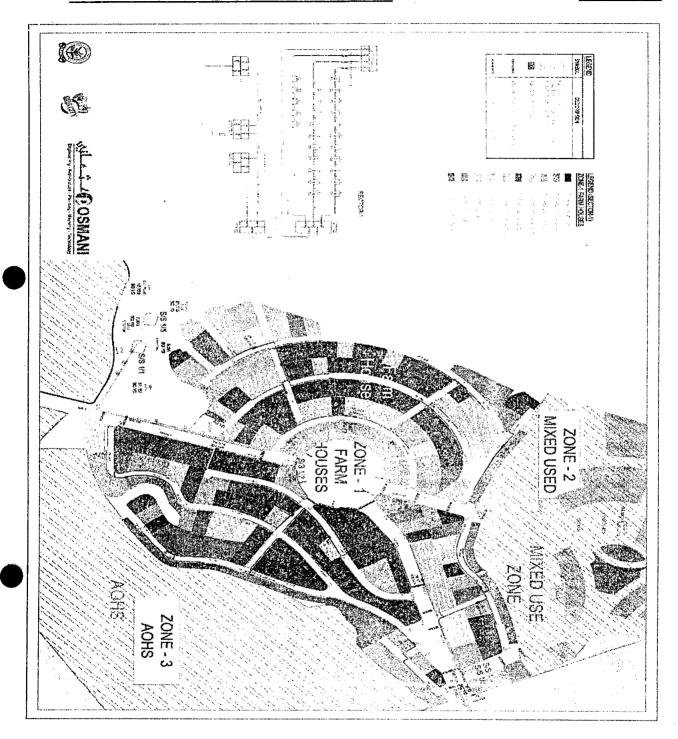
# Typical layout plan of 132/11kV of 132kV GIS Grid Station

# Annexure-C

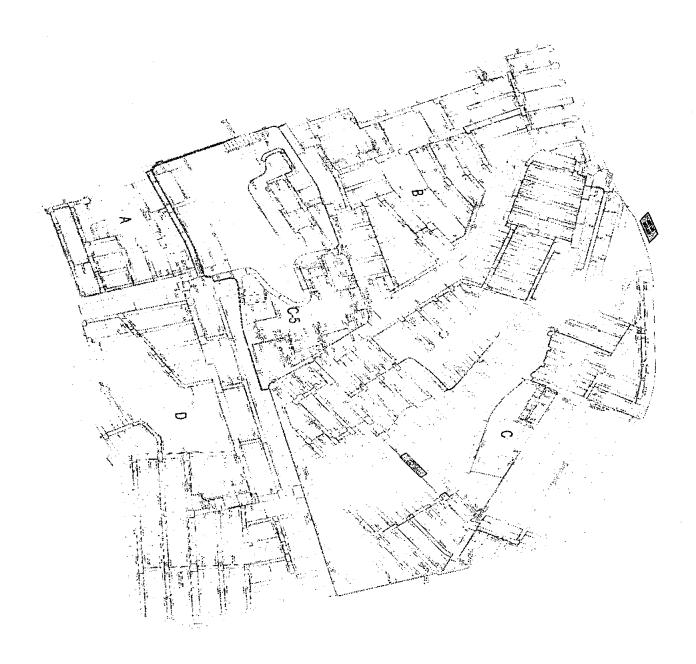


# SECTOR-01 LV & MV Master Plan:

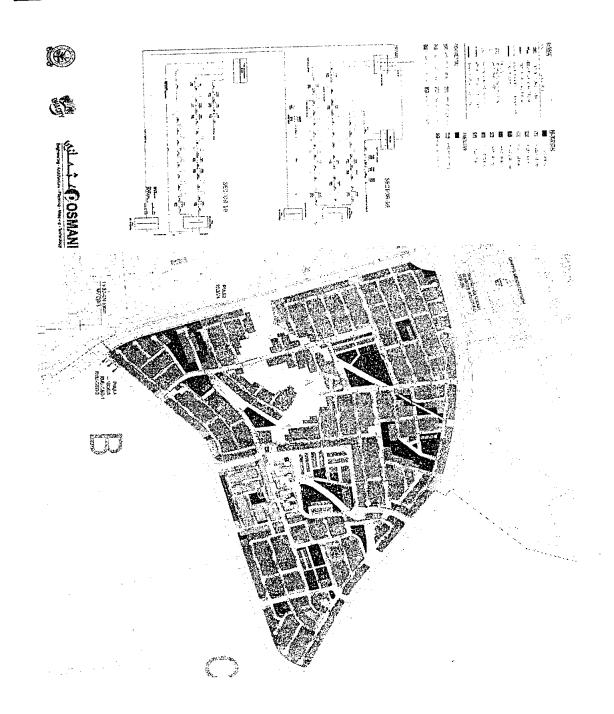
# Annexure-D



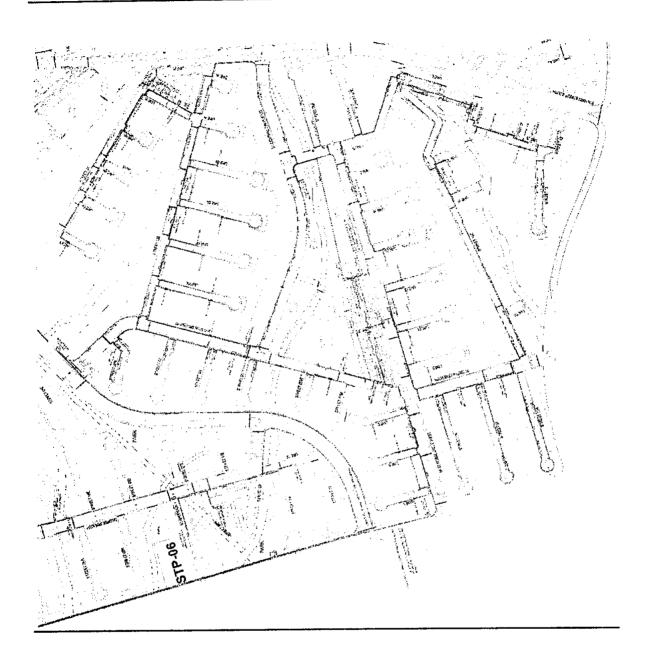
# Sector-02 LV & MV Master Plan:



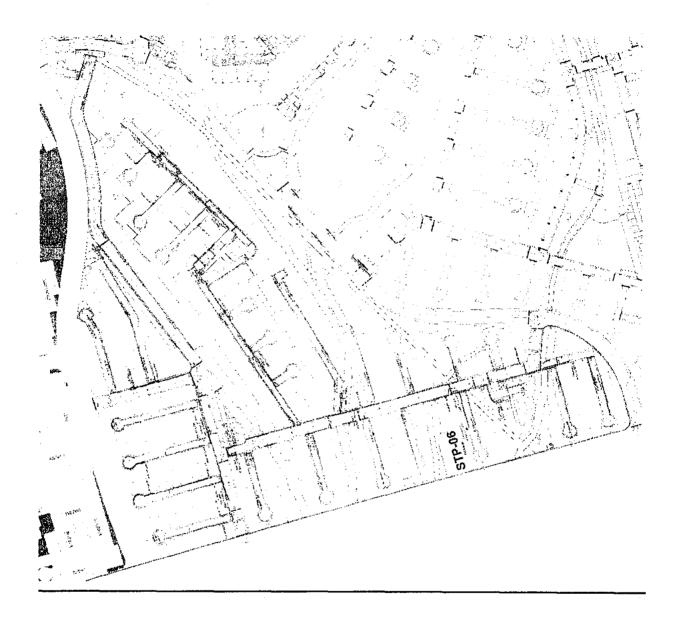
# Sector-03 MV & LV Master Plan:



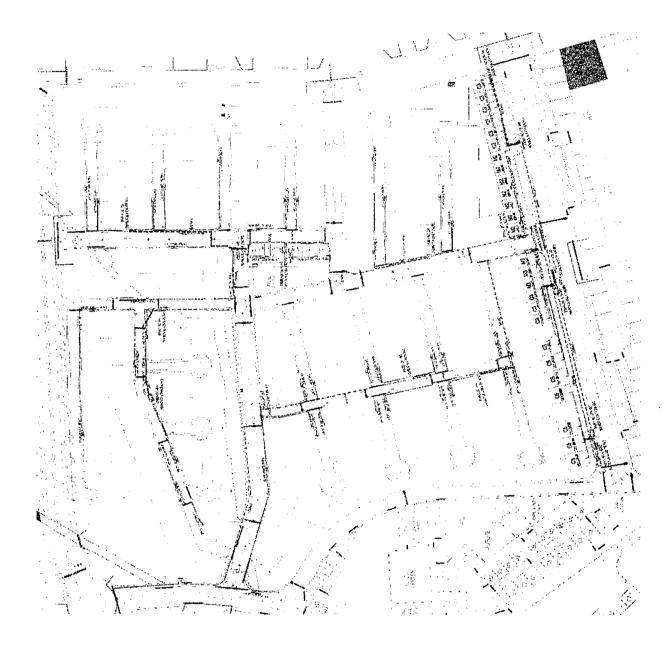
# Sector-05A MV & LV Master Plan:



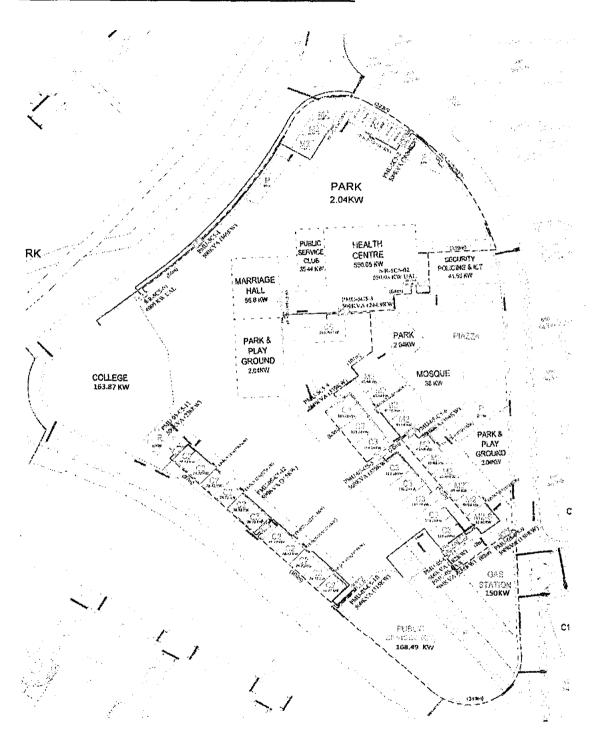
# Sector-05B MV & LV Master Plan:



# Sector-05C MV & LV Master Plan:

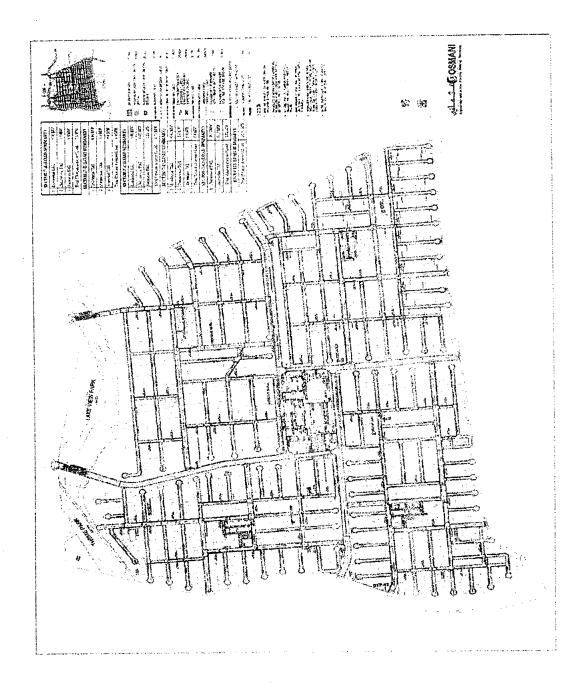


# Sector-05 C-5 MV & LV Master Plan:

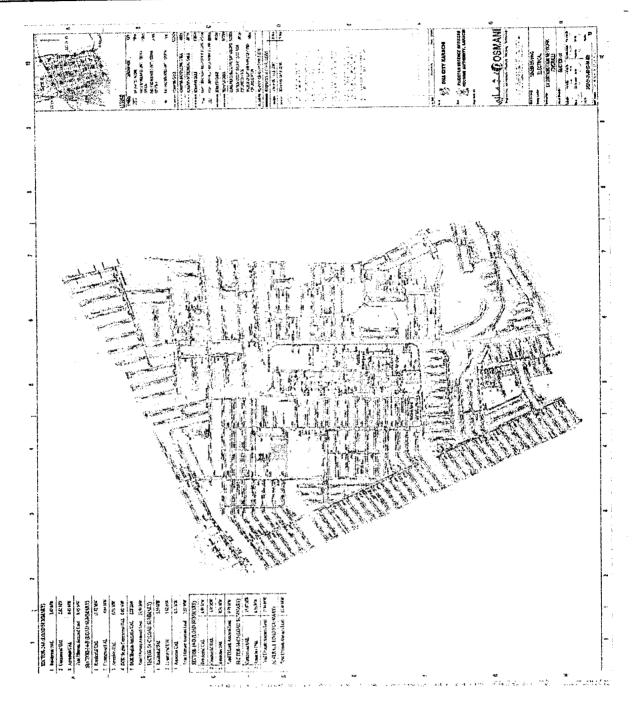




# Sector-07 MV & LV Master Plan:



# Sector-14 MV & LV Master Plan:



# ANNEX - E-3

# THE EXPECTED LIFE OF THE SYSTEM

The expected life of the system will be approximately **30 years.** Please see the document appended herein below.



#### Item No. 17

# **Expected Life of The Facility or The System**

The type and technology that is being considered under the prevailing state of the art technology where design will correspond to an expected average life of minimum 25 to 30 years based on equipment characteristics. Depreciation of 20 years is kept under consideration as per NEPRA CSM-21. However with strong corrective and preventive Maintenance the expected life will be determined on actual basis under optimum loading of the system components.

## ANNEX - E-4

# THE LOCATION OF THE SYSTEM, OR THE TERRITORY WITH OUTER BOUNDARIES WITHIN WHICH THE SYSTEM IS PROPOSED TO BE INSTALLED AND OPERATED BY THE LICENSEE, ALONG WITH MAPS AND PLANS

The DHA City is a real estate project located in North-East Karachi which aims to provide a premium residential facility to cater to that region. DHA City is built on national and international standards with all public facilities required for a modern city.

DHA City Karachi spreads over an area of 22,446 acres with categorized DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC Shuhda Land (902 acres). It has an uneven, rocky terrain in the Northeast (NE) and Southeast (SE) region whereas Southwest (SW) and Northwest (NW) are mostly plain and even regions.

Map of the DHA City is provided herein below.

#### Item No. 18

The Location of The Facility Or System, or The Territory With Outer
Boundaries Within Which The Facility or System Is Proposed To Be
Installed And Operated By The Licensee Along With Maps And Plans

# 1. Location of the Territory with Outer Boundaries

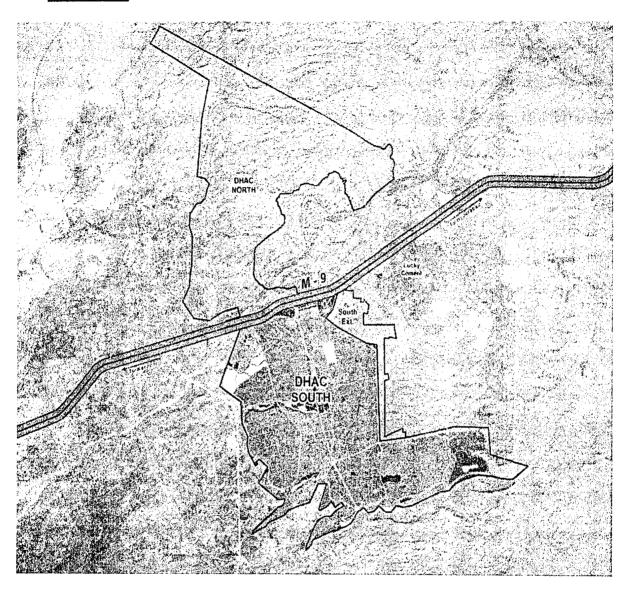
The Pakistan Defence Officers Housing Authority (DHA) has acquired new land for development of state of the art housing project known as DHAC Karachi, located approximately 55 kilometer from Karachi on Main Super Highway M-9 with Hyderabad city at 112 kilometer..

DHAC is distributed in three major areas namely DHAC North (9684 acres), DHAC South (11,680 acres) and DHAC South Extension (902 acres). Development of the total area, spread over 22,446 acres, inclusive of all infrastructure is the responsibility of DHAC following the design of Consultant(s) for development in phases, where individual houses/commercial complexes shall be built by the owners who have purchased or leased the land in their name.

Location plan with outer boundaries where system and facilities are to be installed is as below:-

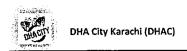
Item # 18

# 2. Area Map



# FUEL TYPE AND AVAILABILITY

The fuel type and availability of DESCO is appended herein below.



#### Item No. 19

# **Fuel Type and Availability**

In order to have a strong environmental control/ impact over the licensing territory. Fuel type will be as under for various sources of generation by DHAC:

1) Solar Power Generation No fuel required

2) Wind Power Generation No fuel required

3) External Generation Only transmission line

4) Bio Fuel generation Bio Material/ Organic Waste

# ANNEX - E-6

# INFRASTRUCTURE PROJECT COST, FINANCING PLAN, FINANCING TERMS, TARIFF CALCULATIONS AND ASSUMPTIONS OF FINANCIAL CALCULATIONS INCLUDING ECONOMIC/FINANCIAL ANALYSIS

Please see the document appended herein below.

#### Item No. 20

# Infrastructure Project Cost, Financing Plan, Financing Terms, Tariff Calculations And Assumptions of Financial Calculations Including Economic/Financial Analysis

DHAC Karachi is being developed to be the first fully energy self-sufficient, large-scale residential project in Karachi and the provision of a reliable electric distribution and supply is key to ensuring the viability of DHAC as a project. The goal of energy self-sufficiency at DHAC will also help reduce the load on the overburdened national grid and set a precedent for similar residential projects across Pakistan.

In pursuit of its objectives of energy self-sufficiency and to meet its present electricity needs, DHAC has already established a 1.5 MW renewable energy generation capacity through solar power. In addition, due to the absence of KE's network within DHAC jurisdiction, DHACs management has planned to source power directly from Lucky Cement (through KE). Till date, DHAC has installed and sponsored two 7.5 MVA power transformers at Lucky Cement (LCL) and laid two 11 kV underground cables, covering approximately 5 km from LCL to DHAC. A significant portion of the electrical distribution network has already been established across several sectors of DHAC. DHAC has already incurred substantial Capex amounting to approximately PKR 3.50 billion to develop the distribution and supply infrastructure, which can handle a capacity of up to 6.5 MW. It is imperative to highlight that this capacity is projected to meet the electricity demands of DHAC residents for the next five years. Furthermore, a letter of comfort has been obtained from Lucky Cement, confirming the availability of up to 5 MW of power, and DHAC is in the advanced stages of finalizing a Power Purchase Agreement (PPA) with Lucky Cement. By integrating the power generation through traditional and renewable energy sources, DESCO will ensure the reliable and uninterrupted supply of electricity to residents.

The power distribution and supply infrastructure will primarily be financed through DHA's own equity, with additional funding support from banks (if required overtime). Letters of comfort from DHA partner banks including UBL, and Silk Bank provides additional comfort ensuring

access to debt financing for the project's expansion and for its network system (in case if required for expanding distribution and supply infrastructure network overtime).

Obtaining the distribution and supply license from NEPRA is a strategically essential step to bridging the power gap in DHAC. Once distribution and supply license application will be awarded to DESCO by NEPRA, DESCO will provide detailed tariff calculations at the time of tariff petition ensuring compliance with NEPRA's regulatory requirements. Securing this license will enable DHA DESCO to deliver on its mandate of providing reliable, sustainable power while supporting long-term energy stability and growth in DHAC.

# **ANNEX — E-7**

# THE TYPE AND DETAILS OF THE SERVICES PROPOSED TO BE PROVIDED

The type and details of the services proposed to be provided are appended herein below.

#### Item No. 21

# The Type and Details of The Services Proposed To Be Provided

Services proposed to be provided shall include professionally handling of all issues relating to:

- i. 220/400 Volt LV supply to residential/commercial/parks/place of worship etc.
- ii. 11 KV MV Bulk supply where single point meter is required to Institutions/ Malls Hospitals/Commercial buildings/Banks/Hotel/Recreational Facility etc.
- iii. The services shall be un-interrupted power supply to DHAC residents/ consumers throughout the year.
- iv. Maintaining Quality of Power with respect to voltage deviation, frequency variation, and Harmonics etc.
- v. Safety standards and its implementation.
- vi. Operation of electrical system with high reliability & availability.
- vii. Maintenance of system with least power outages and durations.
- viii. Customer services.
- ix. Billing after providing power connections to consumers.
- x. Tariff structuring and management of other tariff related matters and dealing with NEPRA from time to time.
- xi. Preparation of performance reports.
- xii. Maintenance of data and records in respect of provision of electrical power services.

# ANNEX - E-8

# THE ENVIRONMENTAL IMPACT OF THE SYSTEM

The environment impact is covered within the Environmental Impact Assessment (EIA) of the DHA City project, as approved, which is appended herein below.

#### Item No. 22

# Environmental Impact of The Proposed Facility, System or Project

## 1. Environmental impact of the proposed facility, System or Project

The DHAC Karachi has been envisioned as 'the First Sustainable City of Pakistan', which will probably serve as a model for the future independent cities in the country and abroad. The aim has been to plan and build a city, which provides its citizens a safe, comfortable, efficient and beautiful lifestyle which is also environmentally sustainable. This project will be completed through an unprecedented exercise involving 100+ national and international experts using latest international standards and GIS technology. DHAC would bring both DHAC and Pakistan on the international map of Sustainable cities development.

Sustainability identifies "a development that looks at a site's natural land, water and energy resources as integral aspects of the development", and DHAC planners have aimed and achieved a Master Plan that fits on the definition of a sustainable city.

# 2. Sustainable city

One of the main goals of DHAC is to adopt a holistic and sustainable design and planning approach. In order to achieve reduction of CO2 emissions, it is essential that energy demands both from buildings and infrastructure are kept at minimum level. The city therefore would operate with less energy, part of which will be generated on-site from low carbon and renewable energy resources (Solar, Wind, Bio mass)

The main concepts for DHAC sustainable master planning are:-

- > Energy demand reduction
- > Use of renewable energy sources both in public and private sectors.
- > Provision for strategic locations for heat sinks (lakes-forests-green areas)
- > Provision for shading from trees/ buildings.
- > Provision for efficient planning to benefit from prevailing winds.

Within this context the master plan aims to create a basis for sustainable community for healthy living by addressing the following parameters:-

- > Building Sustainability.
- > Integrated Transport system.
- > Waste and water management.
- > Natural landscape.
- > Healthy living.
- Economy.

#### DL Addi Item No. 1

### Environmental and Social Soundness Assessment Study/Report

DHAC have their own land for establishment of DESCO and ESSA study is covered in EIA report at the time of project inception and approved by SEPA.



Reference No. EPA/20/2//2////E

#### ENVIRONMENTAL PROTECTION AGENCY GOVERNMENT OF SINDE

Flot # ST-2/1, Sector 73, #A, Kerachi-74000 Ph: 5065960, 8060898, 5050937 5065002, 5065946, 506082, p epasinohigopterne Facsimhe: 5055940

Dated: 30-64-2013

#### DECISION OF ENVIRONMENTAL IMPACT ASSESSMENT (EIA).

The Project Director, DHA firty Name & Address of Proporent:

Karacai.

Construction on approximately 11,640 acres (47, 10 sq.km), total 53,000 plots Description of Project:

offered to accommodate about 600,000

people. DHA City is situated around 56 km from

the city, Karachi-Hyderabad Super Highway in Gudap Town at the eastern border of Karachi, bordering Thatta District in the South and Jamehoro in the South and Jamshoto

District in the East. 17-12-2012

Date of Filing of EIA:

Location of Project:

After careful review and analysis the Environmental Impact Assessment (EIA) report. the Environmental Protection Agency (EPA), Sindh has decided to accord its Approval subject to the fellowing conditions:

- The recommendations of EIA study report including the environmental management and monitoring plan will be strictly adhered by the proponent.
- The proponent shall hire as Independent Monitoring Consultant (IMC) having expertise in carrying out Environmental & Social Impact monitoring. IMC ìi. shall monitor the implementation of proposed activities during construction phase against the commitments made in EIA report and during public hearing. The report of the same shall be submitted to SEPA on quarterly basis.
- The project should be built and designed with energy efficient approach with iii. rine project standing by don't are designed with chargy elements in consideration of utilizing funlight and wind. Options to energy efficient building materials should be explored in order to achieve conservation of natural resources.

Rain water harvesting system will be incorporated into project design, the ĬV. details of which raust be submitted to this editor for informations,

Always Remember -- Reuse, Reduce & Respect

- v. The proponent shall ensure that no unfortunate incident(s) are caused due to construction and operation of project. The cost of damage to the environment, property or life of the people/workers shall lie on the proponent.
- vi. The approval is accorded only for the project activity described in the EIA report. Proponent shall submit separate SIA/IEE as required for development of any component which is provided in HAA/IEE Regulations 2000.
- vii. A comprehensive traffic management plan from Karachi to project area shall be developed to facilitate commuters and vehicular movement in and around project site, same will be submitted to EPA Sindh accordingly.
- viii. The proponent will follow current building byelaws/regulations and the construction plan approved by the competent authority which must include seismic structural and geo-technical analysis. Proponent will follow Sectoral Guidelines for Housing Estates and New Town Developments.
- ix. A comprehensive waste management plan shall be developed for effective disposal of construction waste. Solid waste will be collected, transported and disposed of by following the current practices of Municipal Agencies. A dedicated waste management contractor shall manage handling and appropriate disposal of solid waste.
- x. During construction phase demolition, earthmoving and ground-impacting operations shall be phased to avoid the cumulative effect of their noise and vibration. Engineering design of the vibration and sound producing equipment such as generators, chillers, pumps and other machineries together with housing such units in soundproof enclosures with right location and provision of adequate vibration damperers in the foundation design of the units shall be adopted as an effective in minimizing the noise levels and vibration impact.
- xi. All fuel storage tanks should be made to an international standard and will be inspected by third party for leakage and other damage.
- xii. For all engineering designs, NFPA (National Fire Protection Authority) codes will be followed. Standard fire and smoke detection and protection devices such as alarms, sprinklers, fire hoses and hydrants will be provided at all critical locations in building.
- xiii. No untreated effluent will be released to the environment. A dedicated domestic wastewater treatment plant will be constructed to comply with NEQS. The proponent shall ensure that emissions/effluents from project site do not pose an unacceptable risk to human health or become nuisance to the neighborhood.

- xiv. Construct the buildings in accordance with UCP Zone 211.
- xv. Proponent will introduce indigenous vegetation species along RoW of proposed access routes and in public parks that requires less water, drip irrigation or shaded plantings. Avoid plantation of exotic/invasive species in landscaping, in parks and along RoW of proposed and existing access routes. Details of budget allocated for environmental improvement of the area including plantation shall be submitted to this office accordingly.
- xvi. DHA City management will facilitate EPA Officer(s)/Official(s) as and when required for inspection of compliance status against the provisions of Pakistan Environmental Protection Act, 1997, rules and regulations framed there under and the conditions laid down in this approval.
- xvii. After every three months from the date of issuance of this approval, development of the project will be reviewed jointly by the Environmental Protection Agency, the Independent Monitoring Consultant and the proponent with a focused to implementation of Environmental Management Plan.
- 6. This approval shall be treated cancelled if any of the conditions, mentioned in para-5 above is violated. In follow up of the cancellation of this approval prosecution under the provision of Pakistan Environmental Protection Act, 1997 will be initiated against the proponent.
- The proponent shall be liable for compliance of Regulations 13, 14 and 18 of EIA/IEE Regulation, 2000.
- The proponent shall be liable for compliance of Regulations 17 of E1A/IEE Regulation, 2000, which permits the authority i.e. Environmental Protection Agency to enter, inspect and monitor the development of the project so that the conditions are effectively monitored.
- This approval does not absolve the proponent of the duty to obtain any other approval or consent that may be required under any other law in force.
- 10. All the environmental conditions of this approval will be incorporated in the terms and conditions of tender document and will be component of health safety and environment policy in the project for commitment and compliance.

11. Any further condition may be levied by the EPA Sindh any development stage, project which would be complied by the proponent in letter a project.

Natem Ahmed Mughal Director General

# VII.

# **DETAILS OF THE SUPPLY SYSTEM**

# ANNEX - F-1

# RELEVANT FEEDER MAPS

Feeder maps are provided herein below.



#### SL Addl item No 1

#### Feeder Maps, Number of Consumers and Expected Load

DHAC is a large planned city spread over an area of 22446 acres. It will accommodate a large population which makes to its high power demand. The total estimated Electrical Load for DHAC (inclusive of DHAC South, DHAC North & DHAC South Extension) has been assessed based on criteria defined in NEPRA CSM 2021 (along with clarification issued dated 26 Mar 21 & 21 Nov 23), is estimated as 2325.55 MW with Ultimate Assessed Load as 1775.5MW. Where DHAC South is planned and DHAC North & DHAC South Extension are under planning.

DHAC South comprises 16 sectors, where residential area is segregated into 4 to 7 sub sectors namely as A, B, C, D, E, F & G with commercial areas into two separate areas for each sector namely as C3, C4 and C5 categories. In addition DHAC South also has a Central Business District (CBD) where all large scale commercial activities have been placed altogether.

To meet the total load of DHAC South the entire sectors load have been distributed by establishing 11 x Grid Stations across different locations within DHAC South service area. A total of 32 power transformers rated at 31.5/40 MVA capacity will be utilized for the purpose for switching voltage level from 132kV to 11kV. Distribution Network shall have an estimated 395 numbers (approximate) of 11 kV feeders shall be laid.



#### Details of Estimated load for DHAC is as under:-

DHAC	Area (Acres)	Assessed Load (MW)	Ultimate Assessed Load (MW)
DHAC (South)	11680	1210.2	924
DHAC (North)	9864	1021.9	780.2
DHAC (South Ext)	902	93.45	71.3
Total	22446	2325.55	1775.5

## Detailed Load DHAC (South):

Sectors	Assessed Load (MW)	Ultimate Assessed Load (MW)
Sector-1	150.68	137.86
Sector-2	59.73	43.37
Sector-3	29.55	21.62
Sector-4	32.06	23.03
Sector-5	43.56	32.12
Sector-6	115.45	82.73
Sector-7	53.82	38.95
Sector-8	16.90	11.91
Sector-9	63.98	46.72
Sector-10	52.37	38.20
Sector-11	51.17	36.43
Sector-12	57.19	39.56
Sector-13	54.63	40.37
Sector-14	85.22	. 62.51
Sector-15	. 48.93	35.25
Sector-16	27.49	19.76
CBD	213.86	169.09
Shaukat Khanum Memorial Hospital	8.6	8.6
Health Care City Tentative)		00
Outlet Malls (Tentative)	45	36
Campsite (Tentative)		
Total	1210.19	924.08



#### No. of Consumers of DHAC is as under in particular to PLANNED DHAC South:-

	NO. OF CONSUMERS	
	RESIDENTIAL	COMMERCIAL
DHAC (SOUTH)	44395	4589
DHAC (NORTH)	37493	3529
DHAC (South Ext)	3429	292

### **Feeder Mapping**

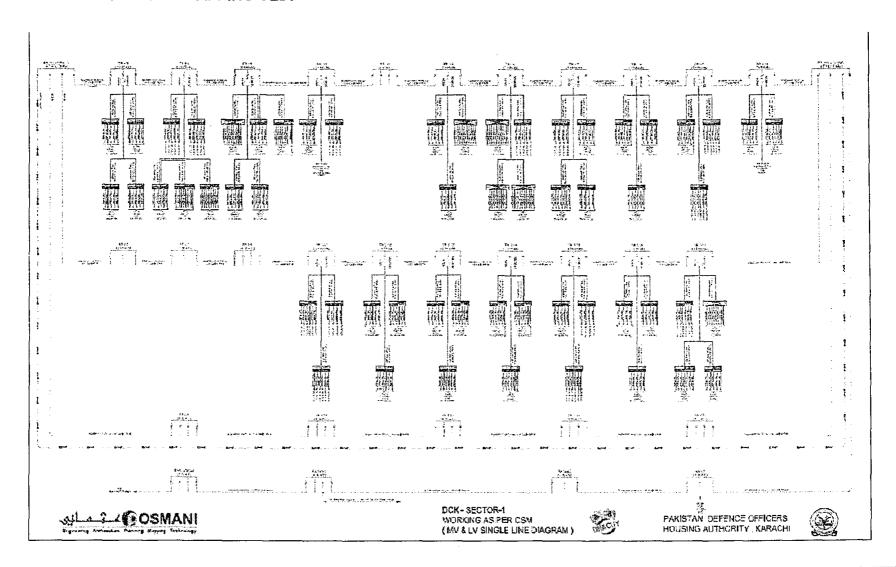
Feeder Mapping Details for Planned **DHAC South** with sub sector(s) to feeders to GS(s) is as below along with SLD upto end consumer on sample basis:-

SECTOR NAME	SUB SECTORS	ULTIMATE ASSESSED LOAD (MW)	# OF FEEDERS	GRID	
	Farm Houses	15.18	3	GS-3	
	Mixed Used Building	23.68	5	GS-2	
Sector - 01	Army Housing Society	45.00	8	GS-3	
	ARY Laguna	54.00	10	455	
gen appeal affire ampostoda ( ) i i i i i i i i i i i i i i i i i i	C-5	9.16	2		
	Sub - Sector A	3.71	1	Ī	
Sector - 02	Sub - Sector B	5.23	1	GS-2	
	Sub - Sector C	18.23	4	!	
	Sub - Sector D	7.04	2		
graphy to a major court of a 41 major	Sub - Sector - A	11.74	3		
Sector - 03	Sub - Sector - B	4.91	1	GS-3	
	C-5	4.97	1	Ì	
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	C-5	4.97	1		
	Sub Sector - A	3.66	1	_1	
Sector -04	Sub Sector - B	2.76	1	GS-5	
	Sub Sector - C	3.95	1		
	Sub Sector - D	6.50	2	:	
	Sub Sector - E	1.19	1	GS-3	
	C-5	4.00	1		
Sector -05	Sub Sector - A	7.622	2	!	
	Sub Sector - B	4.577	1	GS-2	
Sector -03	Sub Sector - C	5.3944	1		
	Sub Sector - D	10.52	2		
	C-5	15.39	3	GS-4	
	Sub Sector - A	9.09	2	GS-7	
	Sub Sector - B	6.15	2	GS-4	
Sector -06	Sub Sector - C	7.18	2	GS-4	
	THE COURSE CONTRACTOR OF EMPIRE HE CONTRACTOR AND EXPERIENCE OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF TH	25.75	5	GS-7	
	Sub Sector - D	19.17	4	GS-4	
processor and the data of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	DHA LAND (GOTH ALLAHBAD)	6.55	2		
	C-5	8.55	2		
	Sub Sector - A	6.94		GS-5	
Sector -07	Sub Sector - B	7.39	2	0.5	
	Sub Sector - C	9.52	2	[	
	Sub Sector - D	Control of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the s	1		
	Sub Sector - A	4.74	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	-	
Sector -08	Sub Sector - B	3.42	1	GS-5	
· <del>• •</del>	Sub Sector - C	1.65	1	}	
	Sub Sector - D	2.10	1 2		
	C-5	11.26	2		
	Sub Sector - A	7.10 4.62	1	GS-7	
Sector -09	Sub Sector - B	11.05	2	J.J.	
	Sub Sector - C	12.69	3		
akakarnaring ng politikansa gorit di sprigori	Sub Sector - D	9.07	2	GS-8	
	C-5	1.80	1	GS-9	
Sector -10	Sub Sector - A	4.77	1		
	Sub Sector - B	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	2	GS-8	
	Sub Sector - C	8.59			

	Sub Sector - D	11.21	2	GS-9				
	Sub Sector - E	2.76	1	G3-3				
magnicular complete construction of the second section of the second	C-5	6.59	2					
	Sub Sector - A	4.57	1					
	Sub Sector - B	3.14	1	GS-8				
Sector -11	Sub Sector - C	2.77	1	``. 				
	Sub Sector - D	10.01	2					
	Sub Sector - E	9.35	2	GS-9				
	C-5	6.62	1	GS-7				
	Sub Sector - A	9.97	2	GS-10				
Sector -12	Sub Sector - B	5.53	1	GS-7				
	Sub Sector - C	10.90	2	G3-7				
	Sub Sector - D	6.54	2	GS-10				
() ₂ -1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	C-5	6.37	2	-				
	Sub Sector - A	6.43	2					
	Sub Sector - B	6.95	2					
Sector -13	Sub Sector - C	7.10	2	GS-9				
	Sub Sector - D	10.85	2					
	Sub Sector - E	1.03	1					
	Sub Sector - F	1.64	1	-				
	C-5	16.57	3					
	Sub Sector - A	8.39	2					
Sector -14	Sub Sector - B	16.74	3	GS-10				
Sector -14	Sub Sector - C	7.80	2	G3-10				
	Sub Sector - D	9.65	2					
s and a second second second second	DCK HEIGHTS	3.36	1					
	C-5	6.95	2					
	Sub Sector - A	5.84	1					
Sector -15	Sub Sector - B	14.21	3	GS-11				
	Sub Sector - C	3.79	1					
	Sub Sector - D	4.46	1					
	C-5	3.42	1					
Coston 16	Sub Sector - A	6.46	2					
Sector -16	Sub Sector - B	5.57	1	GS-11				
	Sub Sector - C	1.32	1	1				
	Sub Sector - D	2.99	1					
	CBD-1	110	20	GS-6				
CBD	CBD-2	20	4	GS-7				
CDD	CBD-3	9.09	2	GS-8				
pp-14-1-14 3p	CBD-4	30	6	GS-9				
	Shaukat Khanum Memorial	8.6	2					
Health Care	Hospital		<b>6</b>					
City &	Health Care City (Tentative)			GS-4				
OGDCL	Outlet Malls (Tentative)	36	7					
	Campsite (Tentative)							
Total		924.0734	203					

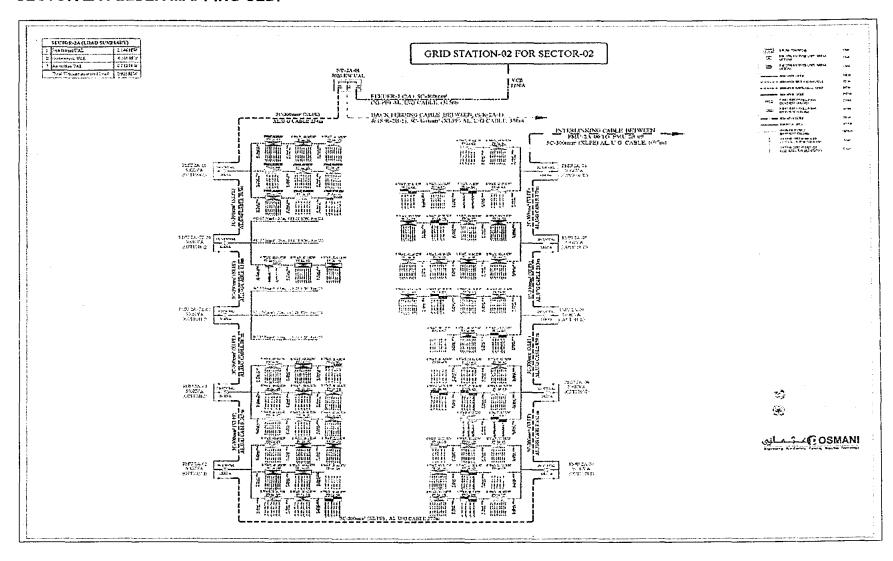


#### **SECTOR-1 FEEDER MAPPING SLD:**

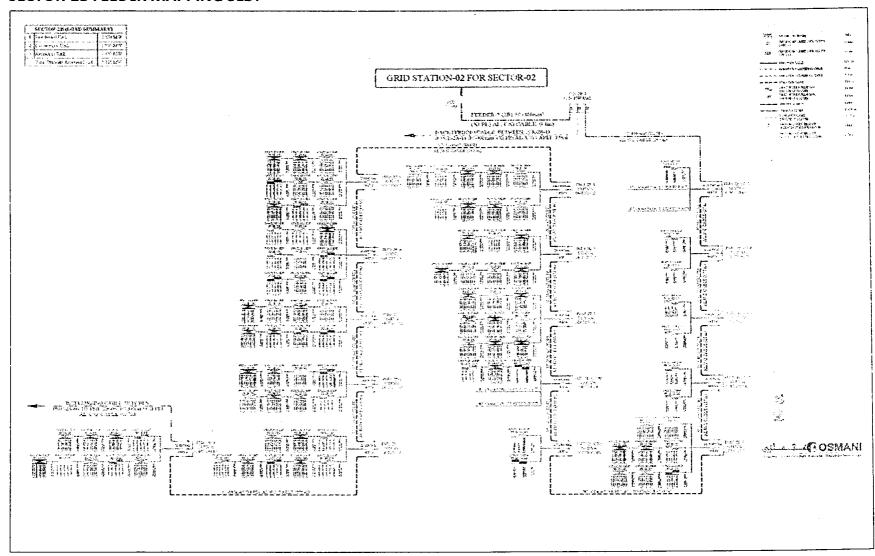




#### **SECTOR-2A FEEDER MAPPING SLD:**



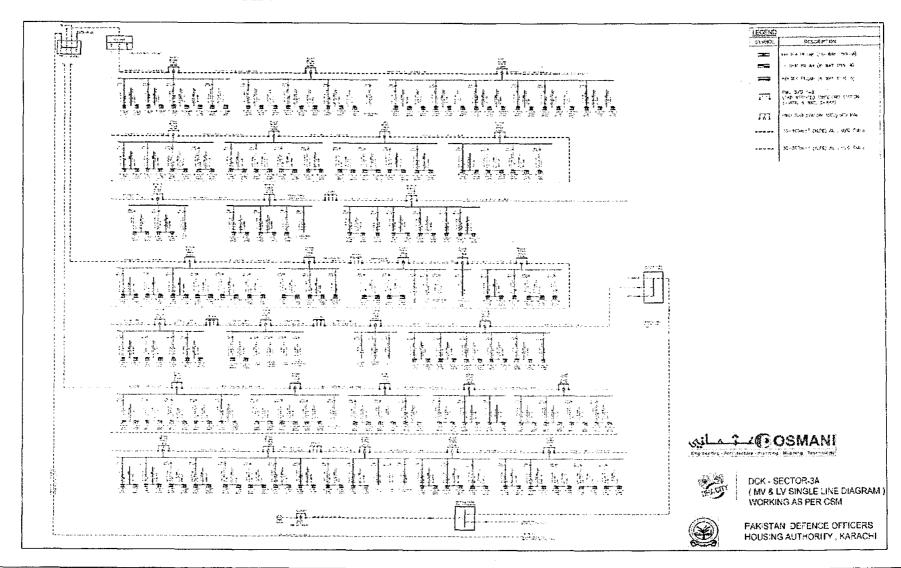
#### **SECTOR-2B FEEDER MAPPING SLD:**



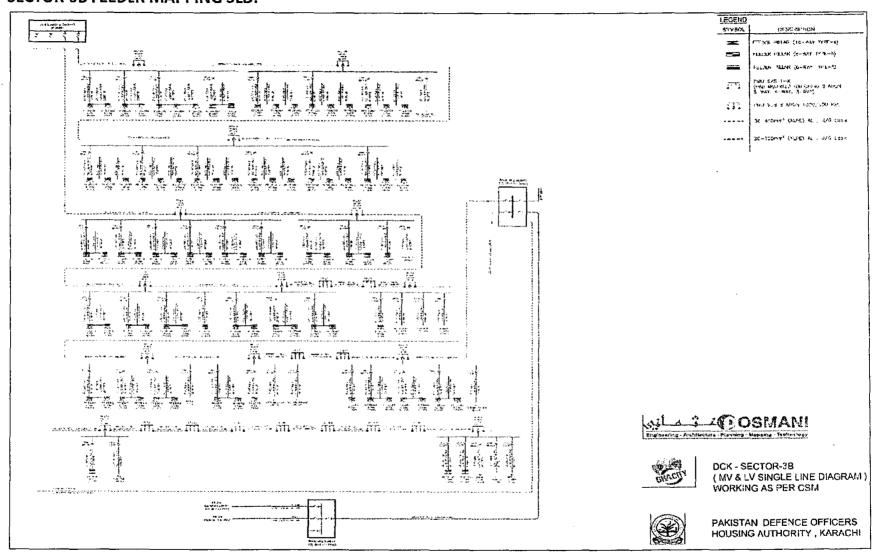
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SL Addl item # 1 Feeder Maps, Number of Consumers & Expected Load

#### **SECTOR-3A FEEDER MAPPING SLD:**

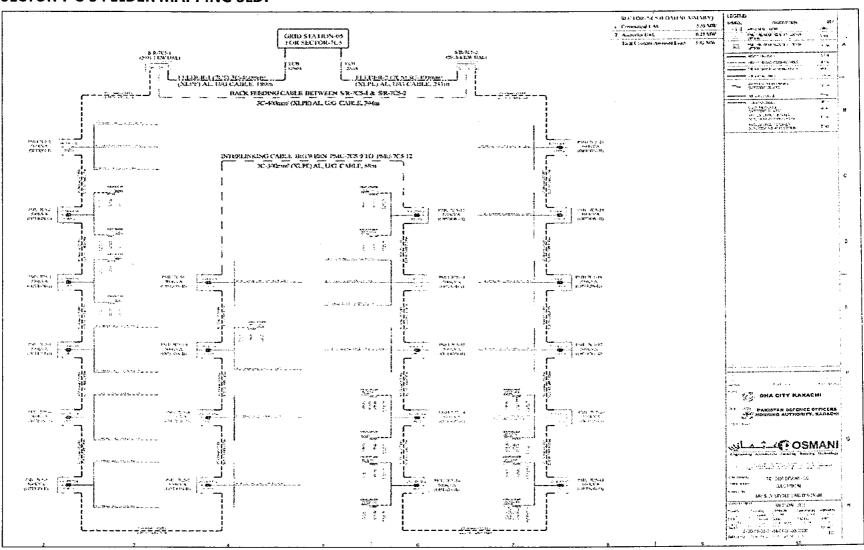


#### **SECTOR-3B FEEDER MAPPING SLD:**

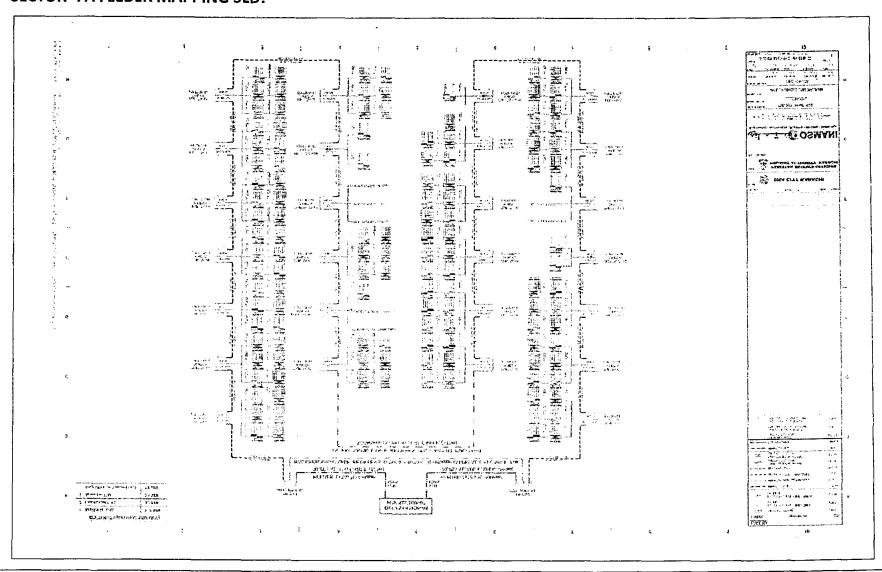




#### **SECTOR-7 C-5 FEEDER MAPPING SLD:**



## SECTOR- 7A FEEDER MAPPING SLD:

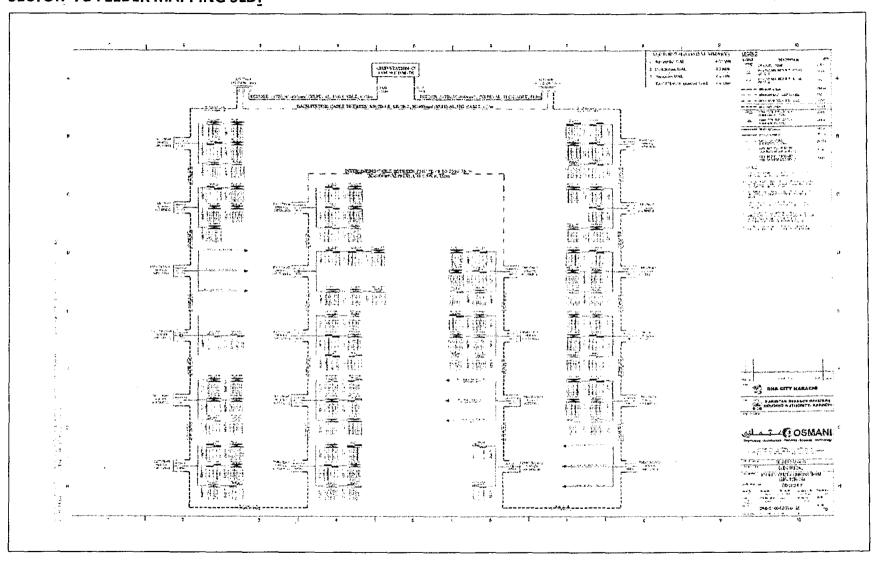


OSMANI RIAA Barker Gillete EY Ford Rhodes

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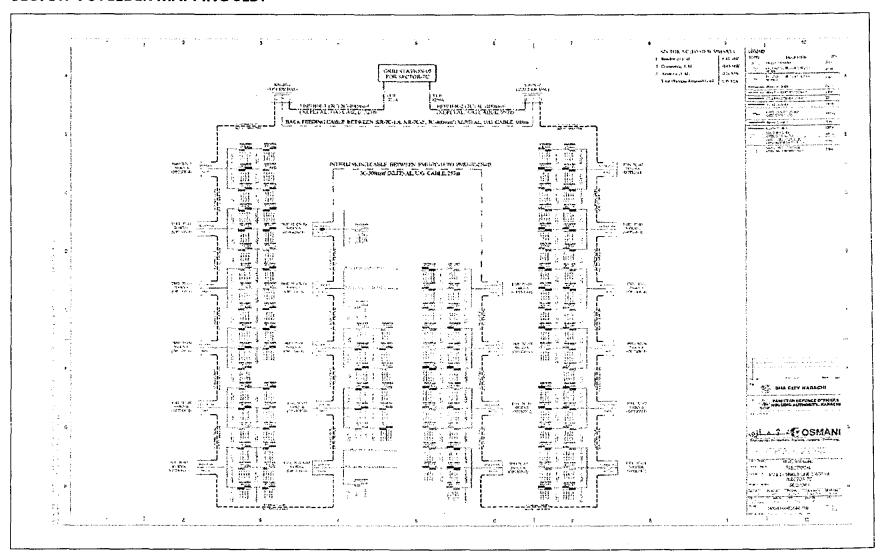
SL Addl item # 1 Feeder Maps, Number of Consumers & Expected Load



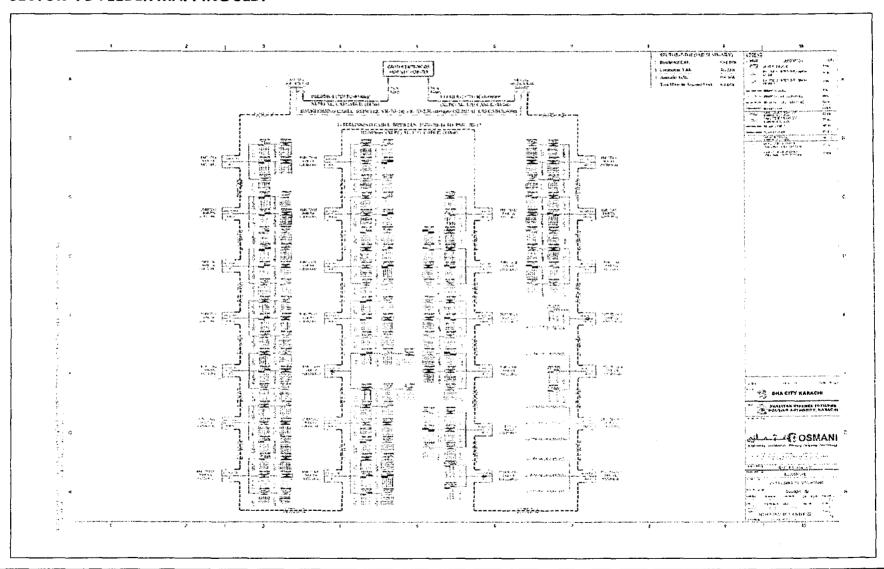




#### **SECTOR-7C FEEDER MAPPING SLD:**

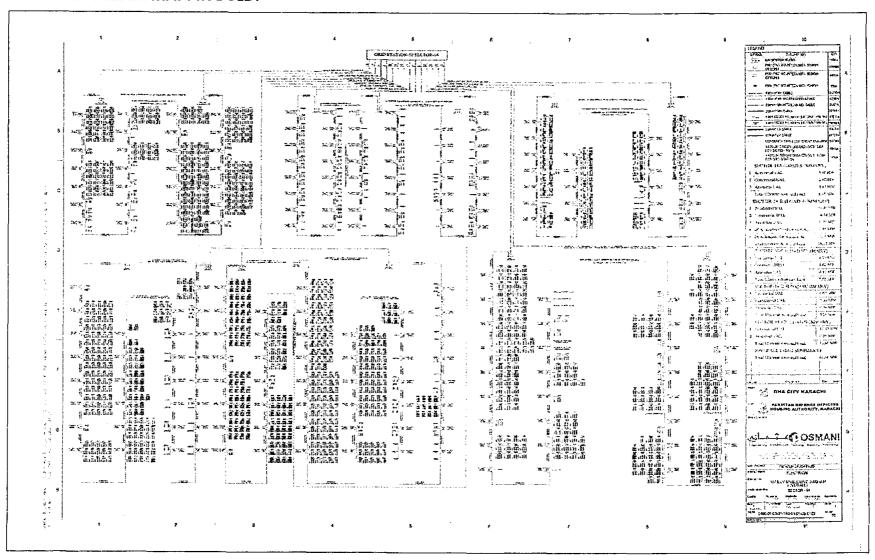


#### **SECTOR-7D FEEDER MAPPING SLD:**





#### **SECTOR- 14 FEEDER MAPPING SLD:**



# CONSUMER CATEGORY ON THE BASIS OF SANCTIONED LOAD AND VOLTAGE LEVEL AND TARIFF CATEGORY

The supply of electric power to DHA City will be for two types of consumers i.e., residential and commercial in nature.

The details of consumer category on the basis of sanctioned load and voltage level along with the tariff category are appended herein below.



#### SL Addi item No. 2

# Consumer Class/Category, Sub-Category on The Basis of Sanctioned Load And Voltage Level

## 1. CONSUMER CLASS/CATEGORY, SUB-CATEGORY ON THE BASIS OF SANCTIONED LOAD AND VOLTAGE LEVEL

DHAC is a non-industrial city being developed, purely for residential and commercial purpose usage. It shall be comprising following category of units:-

#### LT Supply

#### Residential

- o Individual Houses
- o Residential Apartments
- o Farm Houses
- Employee Accommodation

#### **Amenities**

- o Place of worship
- Parks
- Parking areas
- Public Toilets
- Bus stand
- Play ground
- Pumping Stations
- o Nursery
- Graveyard

#### Commercial

- o Schools/Colleges
- o Banks
- o Offices
- Shops
- o Clinics
- o Community Hall
- o Health care center
- o Commercial Restaurants
- o Hotels
- o Market

#### **Bulk Supply**

#### Commercial 400/230

- o Super Market
- o Theme Park
- o Petrol Pumps
- o Hotel
- Commercial Restaurants
- o Marriage Hall
- Health care

#### Commercial 11kV

- o University/Educational Institutes
- Super Market
- o Commercial Plaza
- o Commercial Hospitals
- o Golf Club
- Adventure Park
- o Hotel

#### SL Addl item No. 3

## Tariff Category of Consumer Classes to be Served

#### 1. TARIFF CATEGORY OF CONSUMER CLASSES TO BE SERVED

Tariff category of consumer classes as defined by NEPRA are as under:-

## LT Supply

Tariff	Consumer Class
A-1	Individual Residential
A-2	Commercial
E-1	Temporary Residential for Construction purpose
E-2	Temporary commercial for Construction purpose
G	Public Street lights

### **Bulk Supply**

Tariff	Consumer Class
C-1	Commercial Single Point Supply at 400 V
C-2	Commercial Single Point Supply at 11 kV

# 12- MONTH PROJECTIONS ON EXPECTED LOAD, NUMBER OF CONSUMERS AND EXPECTED SALE OF UNITS

The details of projections for 12-months on expected load, number of consumers and expected sale of units are appended herein below.

#### SL Addl item No. 6

# 12-Months Projections on Expected Load, Number of Consumers and Expected Sale of Units for each Consumer Category

DHAC is presently being developed for DHAC South, while other are at planning stages. Based on current load and forecast for 12 months, below are the details:-

### 12-Months Projections on Expected Load

	12 Month Projection on Expected Load (2024)												
S.No	TYPE	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
1	Residential	513	525	538	550	563	575	588	600	613	625	638	650
2	Commercial	802	824	847	870	893	915	938	961	983	1006	1029	1052
3	Amenities	355	360	364	369	373	377	382	386	390	395	399	404
Tot	al Load (kW)	1670	1709	1749	1788	1828	1868	1907	1947	1986	2026	2066	2105

## **Number of Consumers**

	Number of Consumers (2024)												
S.No	ТҮРЕ	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
1	Residential	308	313	318	323	329	335	341	347	353	359	365	371
2	Commercial	32	32	32	34	34	36	36	39	39	41	42	44
3	Amenities	19	19	19	20	20	21	22	23	24	25	26	27
Tot	al Consumers	359	364	369	377	383	392	399	409	416	425	433	442



# **Expected Sale of Units for each Consumer Category**

	Unit Sale for Each Consumers Category (2024)												
S.No	TYPE	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
1	Residential	92,621	88,157	55,862	79,876	108,116	154,202	106,477	98,400	107,516	151,122	123,003	107,739
2	Commercial	144,890	138,438	88,044	126,332	171,563	245,467	170,007	157,565	172,637	243,294	198,526	174,312
3	Amenities	64,227	60,412	37,847	53,524	71,681	101,190	69,180	63,320	68,545	95,479	77,036	66,906
Total	Unit Sale (kWh)	301,738	287,007	181,753	259,733	351,359	500,859	345,664	319,285	348,699	489,895	398,566	348,956

## ANNEX - F-4

# **DEMAND AND CONSUMPTION PATTERN ON DIFFERENT TIME PERIODS**

The demand and consumption pattern on different time periods is appended herein below.

#### SL Addl item No. 4

#### Demand and Consumption Pattern on Different Time Period

#### 1. DEMAND AND CONSUMPTION PATTERN ON DIFFERENT TIME PERIOD

DHAC is the state of art developing city where people all around the country and globally are showing their interest. At initial stages the demand and consumption pattern was low, however with the passage of time and as the development work increased manifold the demand and consumption of electrical load are gradually increasing. As the load requirement grows to a substantial level then generation, followed by external connectivity of EHV as planned will be made available to meet the demand.

The electrical load demand and consumption is based on the development strategy, implementation and need as per the requirement. Since in DHAC at present DHAC South has massive infrastructure developed and has become livable with residents and commercially activities.

Demand and Consumption Pattern in Different Time Period(s) for DHAC South is assessed as under:-

·	,,			5 years projecti	on				··	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Demand (KW)	1,630	2,105	2,782	3,797	5,291	7,387	8,936	10,471	12,362	14,650
Consumption (KW)	1,630	1,895	2,364	3,038	4,232	5,909	7,149	8,377	9,890	11,720

Figure 0-1: Demand and Consumption Pattern in Different Time Period(s)

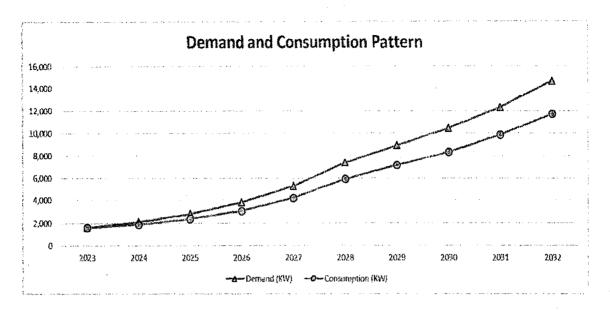


Figure 0-2 Demand and Consumption Pattern

## ANNEX - F-5

### PROCUREMENT PLAN FOR MEETING EXPECTED LOADS

The proposed procurement plan for meeting expected loads is appended herein below.

### SL Addl item No. 5

# **Procurement Plan for Meeting Expected Loads**

# PROPOSED PROCUREMENT PLAN

			2024	2025	2026	2027	2028
Sr. #	Description	Unit	Qty	Qty	Qty	Qty	Qty
1	3 core 400 mm² AL, XLPE / PVC / SWA / PVC 15 kV	Rm	4,750	6,770	10,150	14,940	20,960
2	(Excavation, Laying , Testing & comissioning)	Rm	4,750	6,770	10,150	14,940	20,960
3	3 core 300 mm² AL, XLPE / PVC / SWA / PVC 15 kV	Rm	3,800	5,416	5,416	11,952	16,768
4	(Excavation, Laying, Testing & comissioning)	Rm	3,800	5,416	5,416	11,952	16,768
5	Straight through joint, 3 Core 400 mm²	Sets	16	23	34	50	70
6	Straight through joint, 3 Core 300 mm²	Sets	13	18	18	40	56
7	Terminaton Kits 3 Core 400 mm²	Sets	4	4	4	4	8
8	Terminaton Kits 3 Core 300 mm²	Sets	4	6	8	12	16
9	HT Cable marker	Nos	86	122	156	269	377
10	Civil construction of MV switch room 15' x 15'	Nos	1	1	1	1	2
11	VCB Panel With Metering	Nos	4	4	4	4	8
12	PAD MOUNTED UNIT 500kVA	Nos	2	3	4	6	8
13	4 core 300 mm² Al, XLPE / PVC / SWA / PVC	Rm	2,400	3,600	4,800	7,200	9,600
14	(Excavation, Laying , Testing & comissioning)	Rm	2,400	3,600	4,800	7,200	9,600
15	4 core 150 mm² Al, XLPE / PVC / SWA / PVC	Rm	2,400	3,600	4,800	7,200	9,600
16	(Excavation, Laying , Testing & comissioning)	Rm	2,400	3,600	4,800	7,200	9,600
17	Termination kit 4 Core 300 mm²	Sets	24	36	48	72	96
18	Termination kit4 Core 150 mm²	Sets	24	36	48	72	96
19	Polymer Feeder pillar Box	Nos	24	36	48	72	96
20	Earthing	Jobs	28	42	56	84	128
21	Energy Meters	No's	442	595	746	901	1,286
22	Consumer Cable	Mtr	17,680	23,800	29,840	36,040	51,440

# 5-YEAR INVESTMENT PLAN INDICATING SCHEMES/MODELS/FRAMEWORK FOR UNDERTAKING SUPPLY OF ELECTRIC POWER

The investment plan for 5 years indicating schemes/models/framework for undertaking supply of electric power is appended herein below.

#### SL Addl item No. 7

# 5 - Year Investment Plan Indicating Schemes/ Models/ Framework For Undertaking Supply of Electric Power

Years	Description	Status of Completion
1-2	2 x 11kV feeders laid (1 x feeder energized) under KE billing with supply from Lucky Cement under agreement.	90% completed
	11 kV distribution network (approx. 55km) along with transformers of different capacity (approx.75 No.) energized at different sectors along with LT distribution.	
	Street lights solar and conventional at major streets.	
	Additional work in progress for spreading electrical infrastructure at various sectors.	65% Completed
2-3	Energization of 2 nd 11 kV feeder.	Proposed
	11kV NW extension in other sectors as per development strategy.	
	Provision of PMU/FPB for consumer supply at different sectors.	
	Provision of metering system for end consumers.	
	Street lights installation at major streets as per development plan.	
3-5	Extension of 11 kV to other phases of DHAC (South)	Proposed
	Evaluation of peak load demand for optimizing electrical infrastructure.	
	11kV NW laying in other sectors as per development.	
	Provision of PMU/FPB for consumer supply at different sectors.	
	For load exceeding the projection alternate/ renewable/additional feeder from power generating company.	

## ANNEX - F-7

## TRAINING AND DEVELOPMENT PROCEDURES AND MANUALS

The training and development procedures and manuals are appended herein below.

## SL Addl item No. 8

## Training and Development Procedures and Manuals

Training and development of power distribution systems involves various activities aimed at enhancing the skills, knowledge, and competences of employees. Trainings shall be planned for all levels of Staff/Employee including refresher trainings throughout the year with a detailed program to develop skills and mind setting on approach to variety of tasks.

Following are some key aspects that shall be part of planning

## 1. Technical training (Operation and Maintenance staff training and development programs):

Power distribution companies require specialized technical knowledge. In house training focus on areas such as electrical systems, substation operations, grid management, power quality, and safety protocols.

Important maintenance Protocols, procedures and operation manuals of grid station/distribution system shall be developed and shared to the company employees along with on hands training. Operation and maintenance training of all relevant equipment like Circuit breakers, power transformer, current and voltage transformer, protection relays, line isolation, MV/LV fault tracing and jointing, pressure test etc.

The training of the staff shall also comprises on operations, instrumentation and testing, including control, switchgear and metering equipment.

The trainings of HV/MV feeders and distribution lines laying and maintenance including Earthing systems and its routine testing and measurement shall be part of priority training programmed for the staff.

## 2. Leadership and Management Development:

In house training programs for managers can focus leadership skills, decision-making, project management and strategic planning.

## 3. Safety Training and Procedures:

The potential risks involved in working with power distribution infrastructure, safety training is crucial. Employees shall be trained on electrical safety practices, hazard identification, personal protective equipment (PPE) usage and emergency procedures. Safety manuals shall be part of training programs.

## 4. Consumer Service Training:

Power distribution companies interact with consumer regularly. Consumer service training can equip employees through service manuals with the necessary skills to handle inquiries, resolve complaints and effectively communicate with customers.

## 5. Cross-Functional Training:

Employees can benefit from understanding various functions within the power distribution company. Cross-functional training can enhance teamwork, collaboration with other department/divisions, and a better understanding of the overall organization.

## 6. Regulatory and Compliance Training:

Power distribution companies are subject to follow regulatory requirements. Training programs shall educate employees on compliance with regulations, standards and procedures related to safety, quality and environmental practices.

#### 7. Continuous Learning:

In order to encourage a culture of continuous learning and professional development opportunities for employees to attend workshops, conferences and pursue additional certifications shall be provided.

It is important to tailor training and development programs to the specific needs of employees and the company's goals.

## ANNEX - F-8

## **CONSUMER SERVICE MANUAL**

Please see the document appended herein below.

## SL Addl Item No. 9

## **Customer Service Manual**

Consumer Service Manual of Distribution System shall be prepared and submitted by the proposed DISCO after acquiring Distribution and Supply Licences.

# BILLING AND COLLECTION PROCEDURES (INCLUDING PROVISIONS FOR REMOTE METERING)

The details of the billing and collection procedures of DESCO are appended herein below.

### SL Addl item No. 10-b

## **Billing and Collection Procedures**

## 1. Billing and Collection Procedures

### **Billing**

- All consumers shall be mapped/distributed over billing cycle for ease in meter reading and distributed collection dates based on guideline as provided in NEPRA CSM-21.
- All meter readings shall be photographed and reading shall be printed on the bill.
- Any anomaly noticed will also be communicated to consumer and same will be reflected in bill if other than Normal category.
- In addition Automatic Meter Reader (AMR) shall be introduced in DHAC along with advance metering Infrastructure.
- Special customized MIS system will be introduced for auto billing and uploading units consumed.
- All meter reading shall be on customized devices with auto upload into main system for reading units and billing.
- Electricity bills shall be printed, covering all details as specified in NEPRA CSM-21.

#### Distribution

- Distribution of bills at consumer premises shall be performed by Distributor Vendor as per the billing cycle.
- Distributor shall deliver the bills at consumer premises within a day of receipt of bill.

- Electricity bills shall also be made available on web site for downloading and payment by consumer.
- Electricity bill shall also be sent through sms service for consumer notification to pay in time.
- Where consumer opts to get e-bill then electricity bill shall be sent on registered e-mail address of the consumer.

## **Collection Procedure**

- The due date for payment of bills shall be within fifteen (15) days from the issue date of the bills. However, the consumers will have clear seven (7) days from the date of actual delivery of the bill for the purpose of payment.
- All Commercial Bank Branches and Post Offices of the respective City/District where connection exists shall be collecting electricity bills from consumers who have been given option to deposit their electricity bills in any designated bank branch/post office.
- Online payment and payment through ATM Card/Credit Cards or through cross cheques at designated bank branches can also be made where possible
- Where payment is made via cheque/bank draft/pay order, consumer shall deposit it to the bank branch at least three working days prior to due date so as to ensure realization within due date.
- In order to avoid Late Payment Surcharge (LPS), consumers shall pay their bills within due date.

## **ANNEX - F-10**

# ABILITY TO ACCESS CONSUMER METERING SYSTEMS AND OTHER SERVICES/EQUIPMENT

Please see the above information appended herein below.

## SL Addl item No. 10-c

## Ability to Access Consumer Metering System and Other Services/Equipment

## 1. ABILITY TO ACCESS CONSUMER METERING SYSTEM AND OTHER SERVICES/EQUIPMENT

It is the responsibility of the Consumer to provide safe and accessible location to DISCO for installation of metering system/equipment. All consumers shall have AMR meters installed at their premises, all access to metering shall be provided by the consumer to ensure it is safe, readable, and any irregularity in meter can be detected by the meter reading /meter inspection team. All provision shall be carried out in accordance with NEPRA CSM-21.

Following will be ensured by the DISCO while installing meter/equipment for ease in ability to access as and when needed:-

- The consumer service data shall be traceable by computerizing each customer that shall be tagged from meter/premise to corresponding Feeder Pillar Box to PMU to RMU to Feeder and Grid Transformer.
- DISCO shall have qualified team to access meters/equipment as per routine check/requirement.
- All meter reading/test gadgets shall be made available to the meter reading/testing team.
- PPE/SPE use shall be made mandatory to comply with safety standards.
- All Meter(s) shall be placed outside the premises at a height easily accessible/readable by the DISCO.

- Gas and water lines should be away from the meter location.
- Where number of meters are more, as in case of Multistory building, consumer shall provide a meter room/area inside premises ensuring safety for placement of all meters with check meter and bus bar installation for meters connection.
- Where 11kV Bulk supply is provided, consumer shall provide switch room, preferable outside facing road, where metering 11kV VCB panel shall be installed. Keys/custody of all metering stations shall remain under the custody of DISCO.
- All meter/equipment that falls under the O&M of the DISCO shall not be kept at a location by the consumer that is unsafe and/or not easily accessible by the DISCO.
- All outgoing service cable from metering shall remain under the responsibility of the consumer.
- All Consumer(s) shall provide wiring test report from Electrical Inspector before any energization of the connection.
- Consumer shall follow all the safety standards for internal connections as per safety codes and safety standards defined by NEPRA.

## PROPOSED SERVICE TERRITORY

DHA City is located at located at the North-East of Karachi and is accessed by Karachi Hyderabad Super-Highway M-9. DHA City Karachi spreads over an area of 22,446 acres with categorized DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC Shuhda Land (902 acres).

Proposed service territory is appended herein below.

The service territory is also shown at Annex E-4.



## SL Addl item No. 10-a

## **Proposed Service Territory**

#### 1. PROPOSED SERVICE TERRITORY

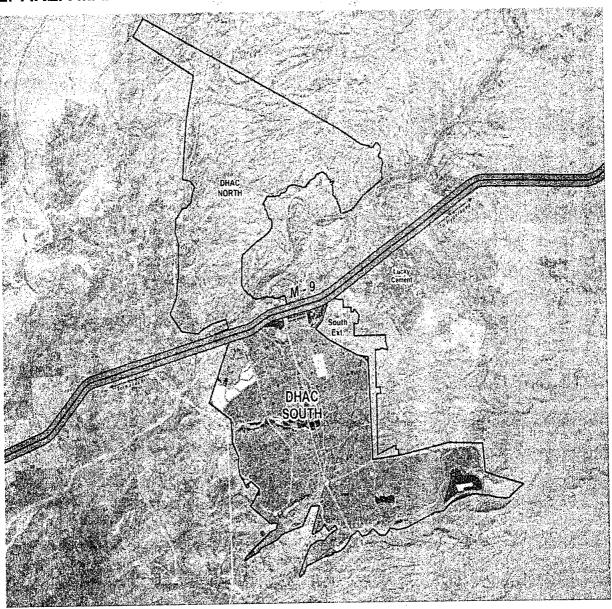
DHAC is towards the North East of Karachi and is accessed by Karachi - Hyderabad Super Highway M-9 motorway. DHAC is situated about 55 km from the Karachi city Centre, 26 km from the Karachi Toll Plaza and about 112 km from Hyderabad.

DHAC spreads over an area of 22,446 acres and is categorized in three major areas as DHAC South (11,680 acres), DHAC North (9,864 acres) and DHAC South Extension (902 acres). It has an uneven rocky terrain in the Northeast (NE) and Southeast (SE) region whereas Southwest (SW) and Northwest (NW) are mostly plain and even regions. Development of the total area, spread over 22,446 acres, inclusive of all infrastructure and utilities is the responsibility of DHAC, following the design of Consultant(s) for development in phases, where individual houses/commercial complexes shall be built by the owners who have purchased or leased the land in their name.

The DHAC territory lies in the concessional licensed area of KE and HESCO.

Proposed Service territory is shown as attached:-

## 2. AREA MAP



## **ANNEX - F-12**

## **EMERGENCY PROVISIONS AND PROTOCOLS**

The information with respect to the emergency provisions and protocols is appended herein below.

### SL Addl item No. 10-d

## **Emergency Provisions and Protocols**

#### **EMERGENCY PROVISIONS AND PROTOCOLS:**

Emergency provisions and protocols for electrical systems are designed to ensure the safety of personal/Equipment and mitigate the risks during emergency situations. Following measures shall be taken to implement emergency protocols and procedures:

## 1. Emergency Exit Plans Evacuation and Human Life Safety:

Emergency exit routes, building evacuation plan, human life safety, Ambulance services, and First Aide services shall be part of emergency and safety protocols.

## 2. Emergency Response Plan:

An emergency response plan, outline procedures shall be followed during power related emergencies including communications, evacuation plans and contact information for emergency services.

#### 3. Emergency Maintenance Shut Down Plan:

Clearly defined protocols shall be in place for shutting down specific electrical systems or equipment during emergency maintenance plan to prevent further hazard or damage to equipment/system.

### 4. SCADA Based High Speed Monitoring and Control System:

SCADA based high speed control and monitoring plays important role to cut off supply in case of electrical fire break up. Early detection of hot-spot and detection of fire shall be employed to avoid big loss. Also communication system will be designed to minimize reporting time to limit the loss.



## 5. Fire Alarm System:

Fire Alarm shall be placed to initiate any energy situation. In addition smoke/thermal detectors shall be placed to initiate Automatic Alarm for as early warning for evacuation and taking controlling measures.

## 6. Fire Protection Systems:

Fire suppression systems, such as specialized fire extinguishers, sprinklers or specialized systems like nitrogen injection fire protection systems and electrical fire extinguishers should be in place to combat electrical fire. Fire tenders with latest equipment shall be made available for general firefighting.

## 7. Overcurrent Protection:

Fast action protection relays, circuit-breakers, fuses can protect against the overloads and short-circuits shutting down affected network to prevent further damage or electrical hazards.

## 8. Regular Maintenance and Inspections:

Routine inspections, testing and maintenance of electrical distribution systems help to identify potential hazards or equipment failures before emergency occurs.

### 9. Emergency Power Off:

Power off switches located in easily accessible areas; allow for the immediate switch down of power in emergency situations.

#### 10. Emergency Lighting:

Backup lighting systems such as battery powered lights or stand-by generators shall be installed to ensure visibility during power outages.

#### 11. Back-up Power Sources:

Electrical distribution systems shall incorporate with emergency generators or battery backup systems to provide power during extended outages.

# BASIS OF COMMON SERVICES FOR COMMERCIAL AND RESIDENTIAL CONSUMERS AND THEIR ALLOCATION THEREOF

Basis of common services for commercial and residential consumers and their allocation thereof is appended herein below.

#### SL Addl item No. 10-e

## Basis of Common Services for Commercial and Residential Consumers and Their Allocation thereof

## 1. Basis of Common Services for Commercial and Residential Consumers and Their Allocation thereof

DHAC is a pure Residential City comprising of residential units, commercial units, recreational facilities, common amenities, health care, educational institutions etc.

System is designed to cater all types of connection under Dedicated Distribution System (DDS) and Common Distribution System (CDS). Common services mainly falls under Mixed use category, Multistory buildings and Housing Society, these are but not limited to:-

Mix Use / Multi Story: Where commercial/residential falls under one vertical project or complex of multiple buildings under same project name with one boundary wall. Following will be the basis of common services that is used jointly by Commercial / Residential consumers or separately for commercial and residential consumers, this is to ensure that Commercial and Residential tariff are separately charged:-

- Cargo/Passenger Lift (separate for commercial/residential consumers)
- Escalators (for commercial floors)
- Air Conditioning for Centralized Cooling (separate for commercial/residential consumers, if provided)
- Water Pump
- Washroom lights/blowers etc (for commercial floors)
- Corridors/Staircase lights (separate for commercial/residential consumers)
- Automatic doors (for commercial floors)
- CCTV Camera (where installed)
- Fire Fighting Equipment
  - o Pumps for water hydrants

EY Ford Rhodes

- Smoke Detectors (separate for commercial/residential consumers)
- Fire Alarm System (separate for commercial/residential consumers)
- Parking Lights (separate for commercial/residential consumers)
- Peripheral Lights
- Local Mosque
- Administrative Services office
- Guard Room

Housing Scheme (Boundary walled): Where housing society is providing common services to the residents. Following will fall under common services where commercial activities are located in separate designated areas:-

- Parks light
- Play ground
- Parking Lights
- Peripheral Lights
- Places of Worship
- Administrative Services office
- Guard Room
- Water Pumping stations
- CCTV Camera (where installed)



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31.01.2045

#### Registrar

National Electric Power Regulatory Authority (NEPRA) NEPRA Tower, Ataturk Avenue (East) G-5/1 Islamabad

Dear Sir,

Subject:

Application filed by DHA Energy Supply Company (Private) Limited For Grant of Electric

**Power Supply License** 

Reference: Your Letter No. NEPRA/R/LAS-100/DESCO/375 dated 14 January 2025

We write on behalf of DHA Energy Supply Company (Private) Limited ("DESCO") in relation to the supply license application submitted by DESCO to the Authority for the supply of electric power "Supply License").

Dijections were raised by NEPRA, citing absence of required documents. In light thereof, we have addressed the objections raised and provided the supporting documents in the table below.

I	Strategic Business Plan for the three years duly certified by CEO and CFO or Company Secretary demonstrating its capability to undertake electric power supply business, required under Rule 3( c) of Rules						
	Strategic Business Plan for 3 Years  • Load forecast of DHAC has been worked out for the next 3 years as provided hereunder						
	Year	2025	2026	2027			
	Dema (M)	l	3.04	4.23			
	• To meet the power demand, we have availed a consent letter from Lucky Cement Limited for the provision of 6MW power supply on "take and pay" basis. Presently, the power supply of DHAC is being managed through 2 x 11kV feeders which are energized from Lucky Cement and directly connected to DHAC distribution network. Further, a Solar PV System of 1.5 MW has already in operation since 2020. The majority of street lights are already energized on Solar System. Based on the above, the future load demand of DHAC will easily be catered through the above existing supply sources.						
	<ul> <li>The existing Distribution Network comprises more than 100km MV/LV cable, 80 numbers of PMU of various ratings, 25 Ring main units (RMU), 19 KIOSK/switching sub-stations, 479</li> </ul>						

		feeder pillar boxes, 1500 street lights, which have successfully installed since 2017 and also being augmented and maintained by electrical team of DHAC round the clock.			
		<ul> <li>The yearly expansion plan of DHAC network has been worked out and the procurement plan has already been submitted in the application.</li> </ul>			
11		Information required under Schedule-I (Minumum Solvency Requirement)			
		All other applicants for distribution and supplier of last resort license in a specific service territory shall have and maintain the following solvency requirements for both the businesses:			
	(i)	shall have and maintain minimum long-term credit rating of "A" from a credit rating agency licensed by the SECP and submit a report to the Authority at the time of application			
		DHA Energy Supply Company (Pvt.) Ltd. (DESCO) is a subsidiary of the Pakistan Defence Housing Authority, Karachi (PDHOA), a highly respected and reputable organization.			
		DESCO operates as a Private Limited company and was established to secure the necessary license from NEPRA and manage the supply and distribution of electricity in DHA City, a flagship project of PDHOA Karachi spanning approximately 22,000 acres.			
		• It is submitted that applicant has initiated the process for seeking minimum long term credit rating of 'A' from credit rating agency licensed by the SECP and shall submit the same to the Authority at the time of issue of the Licence.			
		• It is therefore requested that the Authority may kindly waive off the said requirement at this stage and proceed with the publication of Notice for Seeking Comments for grant of Electrical Supply License to the Applicant.			
	(ii)	shall have and maintain minimum current ratio of 1:1			
		DESCO's audited financial accounts for 2022/23 report a current ratio of 3.55 : 1 [Ref : Financial Accounts 2022/23 "Annex C-3" ]			
	(iii)	shall have and maintain minimum paid-up capital of one hundred and fifty million ru			
		<ul> <li>As per the audited financial accounts for 2022/23, DESCO's authorized capital stands at Rs. 100 million, with a paid-up capital of Rs. 10 million. Additionally, PDHOA Karachi, DESCO's parent company, has purchased assets worth Rs. 483 million for use in DHA City. These assets are recorded as CAPEX in PDHOA's financial books and will be transferred to DESCO against the issuance of shares. shares. [Ref:: Financial Accounts 2022/23 "Annex C-3" and Supply Application Chapter V [Financial &amp; Tech Proposal with list of electrical installed infra]</li> </ul>			
		To facilitate this transfer, DESCO's paid-up capital will increase from Rs. 10 million to Rs. 500 million, meeting NEPRA's minimum paid-up capital requirement. We assure NEPRA that these transactions will be completed before the license is issued.			
		The limited assurance report by M/s Hassan Naeem & Co., detailing the electrical assets in DHA City, is attached for your reference.			
I		<del> </del>			

	<ul> <li>PDHOA Karachi has acquired assets worth Rs. 3,014 million for use in DHA City. These assets, currently recorded in PDHOA's financial books, will be transferred to DESCO's financial records, resulting in an increase in DESCO's net worth by at least Rs. 3,014 million. This will ensure compliance with NEPRA's minimum net worth requirement. [Ref: Supply Application Chapter V [Financial &amp; Tech Proposal with list of electrical installed infra]</li> </ul>				
	We provide full assurance that the asset transfer and related financial transactions will be finalized prior to the issuance of the license by NEPRA.				
	The limited assurance report by M/s Hassan Naeem & Co., detailing these assets, is attached for your review.				
111	Information required under Schedule II (Minimum technical and human resource requirement to meet all of its service-level commitments)				
	Explanation: The "sanctioned strength" shall mean the number of posts in various scales and cadres, which have been duly approved by the board of directors of an applicant				
	• The details of engineers and technical staff already engaged with DHA City, including their CVs and relevant experience, have been submitted with the license application. [Ref : Annex C-7 and further profile of technical staf provided through letter dated 28-Nov-24]				
	<ul> <li>Additionally, DHA City ensures compliance with maintaining 40% of the sanctioned strength in various cadres and scales at all times to meet operational and regulatory requirements.</li> </ul>				

We trust that you will give our application your due consideration and should you require further information or clarification, the same will be provided subsequently.

Thank you for your time and attention to this matter.

Sincerely,

**RIAA Barker Gillette** 

For and on behalf of

DHA Energy Supply Company (Private) Limited