



Registrar

National Electric Power Regulatory Authority

Islamic Republic of Pakistan

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No. NEPRA/R/LAG-106/13434-39

March 10, 2021

Chief Executive Officer,
Nishat Mills Limited,
7-Main Gulberg,
Lahore.
Contact No. 042-111-332-200

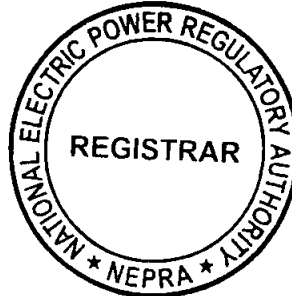
Subject: Modification-II in Generation Licence No. SGC/40/2008
Licence Application No. LAG-106
Nishat Mills Limited (NML)

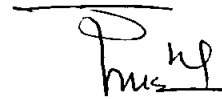
Reference: NML's LPM submitted vide letter dated January 27, 2015.

The Authority has approved Modification in Generation Licence No. SGC/40/2008 dated September 02, 2008 in respect of Nishat Mills Limited (NML), pursuant to Section 26 of the Regulation of Generation, Transmission, Transmission and Distribution of Electric Power Act, 1997 (XL of 1997) read with Regulation 10(11) of the NEPRA Licensing (Application and Modification Procedure) Regulations 1999.

2. Enclosed please find herewith determination of the Authority in the matter of Licensee Proposed Modification in the Generation Licence of NML along with Modification-II in the Generation Licence No. SGC/40/2008 as approved by the Authority.

Encl: As above




10 03 21

(Syed Safeer Hussain)

Copy to:

1. Secretary, Power Division, Ministry of Energy, A-Block, Pak Secretariat, Islamabad.
2. Managing Director, NTDC, 414-WAPDA House, Lahore.
3. Chief Executive Officer, CPPA-G, ENERCON Building, Sector G-5/2, Islamabad.
4. Chief Executive Officer, Faisalabad Electric Supply Company Limited, Abdullahpur, Canal Road, Faisalabad.
5. Director General, Environmental Protection Department, Government of Punjab, National Hockey Stadium, Ferozpur Road, Lahore

National Electric Power Regulatory Authority
(NEPRA)

Determination of the Authority
in the Matter of Licensee Proposed Modification of
Nishat Mills Limited

March 10, 2021
Case No. LAG-106

(A). Background

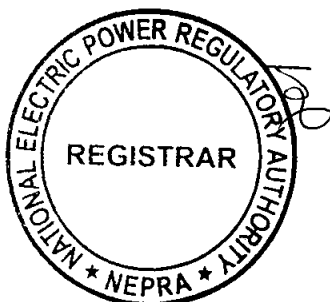
(i). The Authority in terms of Section-15 (now Section-14B) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (the "NEPRA Act") had granted a generation licence (No. SGC/40/2008, dated September 02, 2008 and subsequent modification dated October 5, 2015) to Nishat Mills Limited (NML) for its six (06) distinctly located thermal generation facilities with accumulated installed capacity of 128.241 MW.

(ii). The generation licence was granted for a term of ten (10) years and the same was expired on March 30, 2018. Further, the Authority also allowed a Second Tier Supply Authorization (STSA) to NML, for supplying electric power to the tune of 1.20 MW to a Bulk Power Consumer (BPC) in the name of Masood Textile Mills Limited (MTML) which is housed inside the premises of Generation Facility-III of NML located at Faisalabad-Sheikhpura Road, Nishatabad, Faisalabad.

(B). Communication of Modification

(i). NML in accordance with Regulation-10(2) of the NEPRA Licensing (Application & Modification Procedure) Regulations, 1999 ("the Licensing Regulations") communicated a Licensee Proposed Modification (LPM) in its above-mentioned generation licence on June 25, 2019.

(ii). In the "Text of the Proposed Modification," NML submitted that it intends to (a). extend the term of its generation licence for another period of fifteen (15) years, (b). enhance the generation capacity from 128.241 MW to 133.658 MW and (c). include Hyundai Nishat Motors (Private) Limited (HNMPPL) as it's BPC.



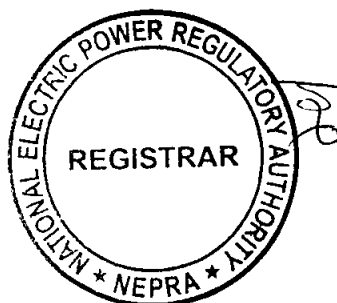
(iii). Regarding the "statement of the reasons in support of the modification," NML, *inter alia*, submitted that the proposed modification will benefit the industrial consumers as it will ensure that the generation capacity continues to be available and maintained. In this regard, two (02) new Generation Facilities are being added to meet the electric power needs of various textile units of NML. Accordingly, it is imperative for NML to get its generation licence modified.

(iv). About the "statement of the impact on the tariff, quality of service and performance by the licensee of its obligations under the licence", NML submitted that the proposed LPM will not have any adverse impact on the tariff, QoS and Performance under the licence.

(C). Processing of Modification

(i). After completion of all the required information as stipulated under the Regulation-10(2) and 10(3) of the Licensing Regulations by NML, the Registrar published the communicated LPM on July 03, 2019 in one (01) English (Business Recorder) and one (01) Urdu (Express) newspaper, informing the general public and interested/affected parties about the communicated LPM and inviting their comments within a period of fourteen (14) days from the date of the said publication as required under Regulation-10(4)(b) of the Licensing Regulations.

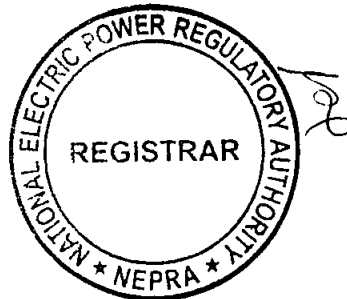
(ii). Apart from the above, separate letters were also sent on July 03, 2019 to other stakeholders which included Government Ministries and their attached departments, various representative organizations and individual experts etc. Through the said letters, the stakeholders were informed about the communicated LPM and publication of its notice in the press. Further, the said above mentioned entities were invited submitting their views and comments in the matter for assistance of the Authority.



(D). Comments of Stakeholders

(i). In response to the above, the Authority received comments from two (02) stakeholders including Sui Northern Gas Pipelines Limited (SNGPL) and Lahore Electric Supply Company Limited (LESCO). The salient points of the comments offered by the said stakeholders are summarized in the following paragraphs: -

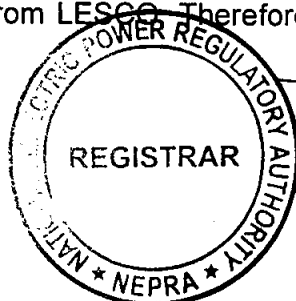
- (a). SNGPL submitted that NML is our RLNG based captive power consumer with sanctioned load of 6.30 MMCFD. Moreover, no NOC has been issued in favor of NML to sell electric power generated through RLNG based captive power gas connection to its sister concerns outside the boundary walls.
- (b). LESCO commented that; (i). a writ petition against decision of the Authority dated October 05, 2015/Modification-I of NML is under process in the Islamabad High Court (IHC), (ii). the Authority has allowed NML to supply electric power to various affiliated industrial units through use of service territory of LESCO, but no STSA has been given to NML therefore, it is not obligated for LESCO to allow NML to lay feeders in its service territory for supply of electric power to its affiliated industrial units, (iii). all affiliated industrial units of NML are also BPC(s) of LESCO and are bound under Section 22(2) of the NEPRA Act to give one (01) year prior notice to LESCO, (iv). the BPC(s) cannot be allowed to have two (02) independent connections simultaneously from LESCO and NML, (v). LESCO is already on the list of privatization which prohibits any entity to sale or transfer the licenses, permits and closing of any line, of business, (vi). the Authority should review the demand and supply projections in the country before granting any further generation licences.



(ii). The Authority considered the above comments of the stakeholders and considered it appropriate seeking perspective of the Licensee/NML on the comments/observations of the stakeholders.

(iii). Regarding comments of SNGPL, the Licensee/NML submitted that in terms of relevant provisions of the NEPRA Act, a Captive Power Plant (CPP) is an industrial undertaking which carries out the activity of power generation for self-consumption and intend to sell the surplus to DISCO(s) or BPC(s). Similarly, in terms of provisions of the amended NEPRA Act, CPP means a power plant setup by any person to generate electricity primarily for its own use. In view of the said, it is very clear that a captive power producer is not restricted to produce power solely for its own use and may sell surplus power to a BPC. NML is a captive power producer and holder of a generation licence and has requested the Authority for allowing supply of surplus power to HNMPL as its BPC which is a tenant of NML located on private property of NML, without involving any Public or third party property or FESCO(s) lines.

(iv). With respect to comments of LESCO, it was clarified that through the judgement dated June 20, 2019 of honorable Islamabad High Court (IHC) the writ petition No. 3796 of 2017 filed by LESCO has been decided in favor of NML on the grounds that LESCO failed to show any legal infirmity with regards to the determination of the Authority dated October 05, 2015. About objection that the Authority did not provide STSA to NML for supply of power to its affiliated industrial units, the same relates to an earlier modification which has been adjudicated upon by the Authority and was subsequently challenged before the IHC, but the court decided against LESCO. Hence, the objections of LESCO relate to a past and closed matter, which cannot be raised again before the Authority. Now, LESCO is bound to comply with the directions given by the Authority in its aforementioned determination, which was upheld by IHC. Regarding laying of feeders in the service territory of LESCO without STSA, it was clarified that unless there is any order or direction with regards to any proceedings that undermines determination of the Authority, LESCO is bound to comply and fulfil its obligations as directed by the Authority. On the objections of LESCO regarding Section-22(2) of the NEPRA Act. It is clarified that the same carries no merit as the said provision of law only applies if BPC intends to stop the purchase of electric power from the relevant DISCO whereas, in the case under consideration, HNMPL shall not stop purchasing power from LESCO. Therefore, HNMPL was under no obligation to give



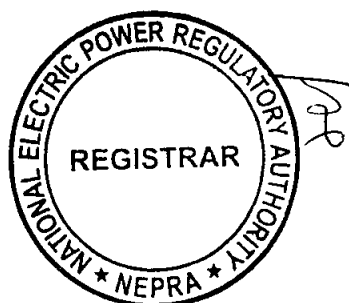
one-year prior notice to LESCO. Regarding the issue of dual supply, NML clarified that there is no basis in law that the BPC cannot have more than one connection. Regarding inclusion of LESCO in the list of Privatizations, NML submitted that the matter is not relevant to the instant application, since the application will not result in the closure of any line of business for LESCO. About suggestion of LESCO that before deciding the application the Authority should consider the current demand and supply situation in the country NML submitted that these submissions relate to different power projects, therefore liable to be dropped.

(v). The Authority considered the above clarifications of NML to the observations/comments of SNGPL and LESCO and found the same plausible. In view of the said, the Authority considered it appropriate to proceed further with the LPM of NML as stipulated in the Licensing Regulations and the NEPRA Licensing (Generation) Rules, 2000 (the "Generation Rules").

(E). Evaluation/Findings

(i). The Authority examined the entire case in detail including the already granted generation licence, Modification-I dated October 05, 2015, communicated LPM, comments of stakeholders, rejoinders from the Licensee/NML, provisions of the NEPRA Act and relevant rules & regulations.

(ii). In this regard, the Authority has observed that originally a generation licence No. SGC/40/2008, dated September 02, 2008 was granted to NML for an installed capacity of 77.886 MW for a term of ten (10) years which expired on March 30, 2018. The generation fleet of NML consisted of three (03) distinctly located generation facilities including (a). Plant-I/25.70 MW located at 5-KM, Nishat Avenue, off 22-KM, Ferozepur Road Lahore, (b). Plant-II/14.3 MW located at 12-KM Sheikhpura-Faisalabad Road Bhikki, district Sheikhpura and (c). Plant-III/37.886 MW located at Faisalabad-Sheikhpura Road, Nishatabad, Faisalabad. Further, the Authority also allowed NML, for supplying 1.20 MW to a BPC in the name of MTML located inside the premises of Plant-III of NML.

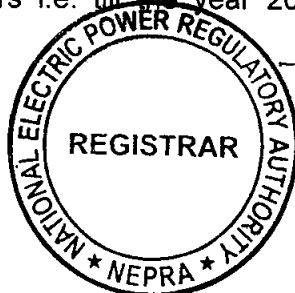


(iii). Later on, through LPM-I, the accumulative installed capacity of generation facilities was enhanced from 77.886 MW to 128.241 MW inter alia addition of three (03) new generation facilities in the fleet including (i). Plant- IV/4.22 MW located at 7-KM Nishat Avenue, off 22-KM Ferozepur Road, Lahore; (ii). Plant-V/1.744 MW located at 21-KM Ferozepur Road near Masjid Ibrahim Lahore and (iii). Plant-VI/19.38 MW located at 20-KM Sheikhpura-Faisalabad Road, Ferozwatwan, District Sheikhpura.

(iv). According to the communicated LPM under consideration, the Licensee/NML intends to (a). extend the term of its generation licence for another period of fifteen (15) years, (b). enhance the accumulated installed capacity from 128.241 MW to 133.658 MW and (c). include HNMPL as it's BPC. Regarding the LPM, the Authority has observed that Regulation-10(2) of the Licensing Regulations stipulate that a licensee may, at any time during the term of a licence, communicate to the Authority an LPM setting out (a). the text of the proposed modification; (b). a statement of the reasons in support of the modification; and (c). a statement of the impact on the tariff, QoS and the performance by the Licensee of its obligations under the licence.

(v). In this regard, it is relevant to mention that in terms of Section-26 of the NEPRA Act read with Regulation 10(5) of the Licensing Regulations, the Authority is empowered to modify an existing licence of a Licensee subject to and in accordance with such further changes as the Authority may deem fit, if in the opinion of the Authority such modification (a). does not adversely affect the performance by the licensee of its obligations; (b). does not cause the Authority to act or acquiesce in any act or omission of the licensee in a manner contrary to the provisions of the NEPRA Act or the rules or regulations made pursuant to it; (c). is or is likely to be beneficial to the consumers; (d). is reasonably necessary for the licensee to effectively and efficiently perform its obligations under the licence and (e). is reasonably necessary to ensure the continuous, safe and reliable supply of electric power to the consumers keeping in view the financial and technical viability of the licensee.

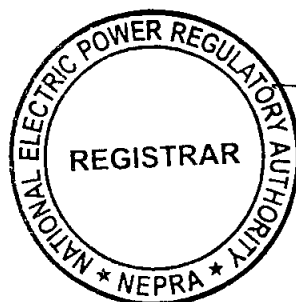
(vi). Regarding renewal of term of a generation licence, the Authority has observed that NML has proposed to extend the term of its generation licence for another period of fifteen (15) years i.e. till the year 2033. In this regard, Rule-5(2) of the



Generation Rules stipulates that upon the expiry of the term of the generation licence, unless revoked earlier in accordance with these rules or the terms of the generation licence, the generation licence may be renewed by the Authority for such further term as it may deem appropriate in the manner provided in the generation licence keeping in view the remaining maximum expected useful life of the units comprised in the generation facility, the performance of the licensee during the expiry of term of licence and the interests of the consumers and the electric power industry as a whole.

(vii). The Authority has observed that the generation facilities of NML consists of thermal generating units. According to the International benchmarks available and general practice in vogue, the useful life of a thermal generating unit is normally taken as thirty (25 to 30) years from its Commercial Operation Date (COD). On the basis of COD, running/operating hours data and overhauling history, it can be construed that the said units of NML have sufficient life left and can safely be operated for another term of fifteen (15) years i.e. up to 2033. Further, the performance of the Licensee/NML during the expiry of term i.e. from 2008-2018 also remained satisfactory. Regarding interest of the consumers, the Authority is well aware of the fact that there is a chronic issue with regards to continuity and steady supply of electric power supply from Distribution Companies-DISCO(s). In order to cope with this issue and to avoid financial losses due to voltage fluctuations, the investors are forced to make their own arrangements to meet their electricity requirements. Therefore, the LPM for extension of term of Licence is in the interest NML/the Licensee as well as industrial consumers.

(viii). About enhancement of installed capacity of generation facilities from 128.241 MW to 133.658 MW inter alia setting up two (02) new generation facilities, the Authority considers that with the rapid increase in the load demand, the electricity needs are escalating. Safe, reliable, continuous and steady electricity is the backbone of the Industry. Therefore, in order to boost/increase the foreign reserves in the country and to encourage industrialization and to attract the investors, adequate and reliable electricity is required. Therefore, the proposal of NML to enhance installed capacity merits consideration.



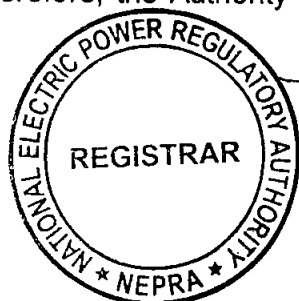
(ix). Regarding supplying surplus power to the tune of 5.00 MW to HNMPL from the proposed Plant-VIII located at Sahianwala Faisalabad, the Authority is of the view that provision of surplus power to HNMPL will be beneficial to both NML as well as HNMPL. Therefore, NML should be allowed to sell surplus power to HNMPL.

(x). In accordance with Rule-6 of the Rules, the licensee is allowed to charge only such tariff for the provision of electric power as may be determined approved or specified by the Authority. Regarding the matter of rates, charges, terms and conditions of tariff between NML and its affiliated BPC(s), the same will not affect any other consumer or third party. Therefore for the purpose of tariff, the Authority considers it appropriate directing NML and its affiliated units/Industrial units agreeing to a bilateral agreement and submitting the same to it for approval and record. Accordingly, NML will then be allowed to charge the agreed tariff subsequent to the approval of the LPM in the generation licence, in accordance with Rule-6(1)(b) of the Generation Rules.

(xi). Foregoing in view, the Authority considers that the proposed LPM will not have any adverse effect on the performance of the Licensee/NML of its obligations instead its performance will be improved. Further, the LPM will not cause the Authority to act or acquiesce in any act or omission of the Licensee in a manner contrary to the provisions of the NEPRA Act or the rules or regulations made pursuant to the NEPRA Act. The LPM will be beneficial to Licensee/NML and its affiliated industrial concerns/units as uninterrupted electric power will remain available to the said Units of Licensee/NML. The LPM in generation licence of NML for further operation of the NML is in the interests of the electric power industry as a whole. The LPM is reasonably necessary for Licensee/NML to effectively and efficiently perform its obligations under the licence. Further, the LPM is necessary to ensure the continuous, safe and reliable supply of electric power to the new Industrial concerns/affiliated units keeping in view the financial and technical viability of the Licensee/NML.

(F). Approval of LPM

(i). In view of the above, the Authority is satisfied that the Licensee/NML has complied with all the requirements of the Licensing Regulations pertaining to the modification. Therefore, the Authority in terms of Section-26 of the NEPRA Act read

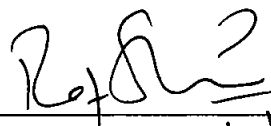


with Regulation-10(11) of the Licensing Regulations approves the communicated LPM in the generation licence (No.SGC/40/2008 dated September 02, 2008 and Modification-I dated October 05, 2015) of NML to the extent of change of expiry date of the generation licence from March 30, 2018 to March 29, 2033, enhancement of installed capacity to 133.658 MW and inclusion of HNMPL as BPC.


(ii). In view of the foregoing, the generation licence granted to NML is hereby modified. The changes made in the generation licence are attached as annexures to this determination. The approval of the LPM is subject to the provisions contained in the NEPRA Act, relevant rules, regulations framed there under, terms & conditions of the generation licence and other Applicable Documents.

Authority

Rafique Ahmed Shaikh
(Member)



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Rehmatullah Baloch
(Member)

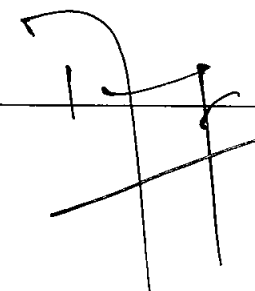

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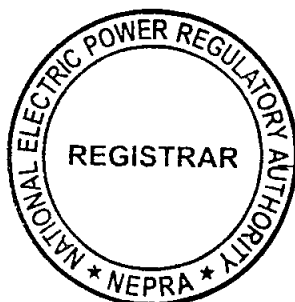
Engr. Bahadur Shah
(Member)

Saif Ullah Chattha
(Member/VC)


4.3.2021

Tauseef H. Farooqi
(Chairman)


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**National Electric Power Regulatory Authority
(NEPRA)
Islamabad – Pakistan**

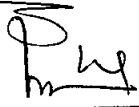
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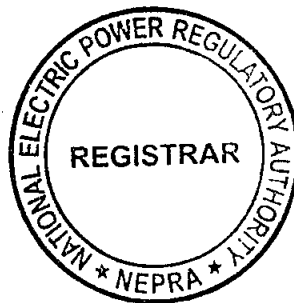
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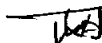
In exercise of the Powers conferred upon under Section-26 of the Regulation of Generation, Transmission and Distribution of Electric Power Act 1997, the Authority hereby modifies the Generation Licence (No.SGC/40/2008 dated September 02, 2008 and Modification-I dated October 05, 2015) granted to **Nishat Mills Limited** to the extent of changes mentioned as here under:-

- (a). Installed capacity mentioned in the **Face Sheet** may be read as **133.658 MW** instead of **128.241 MW**;
- (b). Changes in **Articles** of the Generation Licence attached as **Revised/Modified Articles** of the Generation Licence;
- (c). Changes in **Schedule-I** attached as **Revised/Modified Schedule-I**; and
- (d). Changes in **Schedule-II** attached as **Revised/Modified Schedule-II**;
- (e). Changes in **STSA** are attached as **Revised/Modified STSA**.

This **Modification-II** is given under my hand on this 10th day of **March**
Two Thousand & Twenty One


10 03 21
Registrar



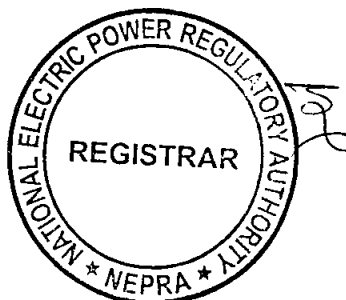


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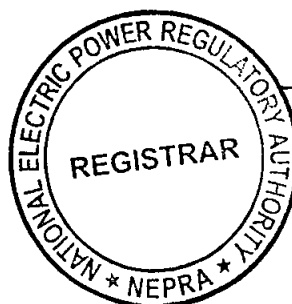
Article-1
Definitions

1.1 In this Licence

- (a) "Act" means the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 as amended or replaced from time to time;
- (b) "Applicable Documents" mean the Act, the rules and regulations framed by the Authority under the Act, any documents or instruments issued or determinations made by the Authority under any of the foregoing or pursuant to the exercise of its powers under the Act, the Grid Code, the applicable distribution Code, the Commercial Code if any, or the documents or instruments made by the Licensee pursuant to its generation licence, in each case of a binding nature applicable to the Licensee or, where applicable, to its affiliates and to which the Licensee or any of its affiliates may be subject;
- (c) "Applicable Law" means all the Applicable Documents;
- (d) "Authority" means the National Electric Power Regulatory Authority constituted under Section-3 of the Act;
- (e) "Bulk Power Consumer (BPC)" means a consumer which purchases or receives electric power, at one premises, in an amount of one (01) megawatt or more or in such other amount and voltage level and with such other characteristics as the Authority may specify and the Authority may specify different amounts and voltage levels and with such other characteristics for different areas;
- (f) "Bus Bar" means a system of conductors in the generation facility of the Licensee on which the electric power is collected for supplying to the Power Purchaser;



- (g) "Commercial" Operations Date (COD)" means the day immediately following the date on which the generation facility of the Licensee is Commissioned;
- (h) "Commissioned" means the successful completion of commissioning of the generation facility for continuous operation and despatch to the Power Purchaser;
- (i) "Distribution Code" means the distribution code prepared by the concerned XW-DISCO and approved by the Authority, as may be revised from time to time with necessary approval of the Authority;
- (j) "Energy Purchase Agreement" means the energy purchase agreement, entered or to be entered into by and between the Power Purchaser and the Licensee, for the purchase and sale of electric Power generated by the generation facility, as may be amended by the parties thereto from time to time;
- (k) "Generation Rules" mean the National Electric Power Regulatory Authority Licensing (Generation) Rules, 2000 as amended or replaced from time to time;
- (l) "Grid Code" means the grid code prepared and revised from time to time by NTDC with necessary approval of the Authority;
- (m) "Licensee" means **Nishat Mills Limited** or its successors or permitted assigns;
- (n) "Licensing Regulations" mean the National Electric Power Regulatory Authority Licensing (Application & Modification Procedure) Regulations, 1999 as amended or replaced from time to time;



- (o) "Power Purchaser" means the BPC which will be purchasing electric power from the Licensee, pursuant to Energy Purchase Agreement for procurement of electric power;

1.2 The words and expressions used but not defined herein bear the meaning given thereto in the Act or rules and regulations issued under the Act.

Article-2 **Application of Law**

This Licence is issued subject to the provisions of the Applicable Law, as amended or replaced from time.

Article-3 **Generation Facilities**

3.1 The location, size (capacity in MW), technology, interconnection arrangements, technical limits, technical functional specifications and other details specific to the power generation facilities of the Licensee are set out in Schedule-I to this Licence.

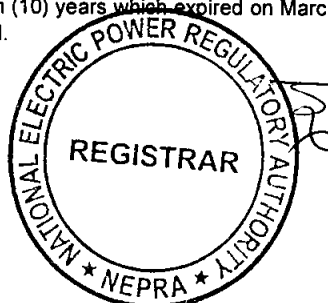
3.2 The net capacity of the Licensee's generation facilities is set out in Schedule-II hereto.

Article-4 **Term of Licence**

4.1 This Licence is valid from the date of its issuance (i.e. from September 02, 2008 to March 29, 2033) and has a term of twenty five (25) years from the said date subject to Section-14B of the Act.¹

4.2 Unless suspended or revoked earlier, the Licensee may within ninety (90) days prior to the expiry of the term of the Licence, apply for renewal of the Licence under the Licensing Regulations.

¹ The original Licence was granted for a term of ten (10) years which expired on March 30, 2018 and the same is being extended for further fifteen (15) years through this Modification-II.



Article-5
Licence fee

The Licensee shall pay to the Authority, the Licence fee as stipulated in the National Electric Power Regulatory Authority (Fees) Rules, 2002 (the "Fees Rules") as amended or replaced from time to time.

Article-6
Tariff

The Licensee is allowed to charge such tariff which is agreed between the Licensee and the Power Purchaser/BPC, pursuant to a Power Purchase Agreement.

Article-7
Competitive Trading Arrangement

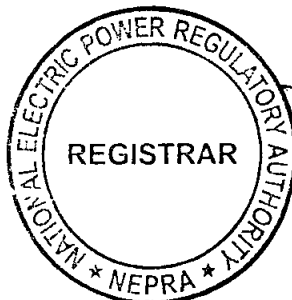
7.1 The Licensee shall participate in such manner as may be directed by the Authority from time to time for development of a Competitive Trading Arrangement.

7.2 The Licensee shall in good faith work towards implementation and operation of the aforesaid Competitive Trading Arrangement in the manner and time period specified by the Authority. Provided that any such participation shall be subject to any contract entered into between the Licensee and another party with the approval of the Authority.

7.3 Any variation or modification in the above-mentioned contracts for allowing the parties thereto to participate wholly or partially in the Competitive Trading Arrangement shall be subject to mutual agreement of the parties thereto and such terms and conditions as may be approved by the Authority.

Article-8
Maintenance of Records

For the purpose of sub-rule (1) of Rule 19 of the Generation Rules, copies of records and data shall be retained in standard and electronic form and all such records and data shall, subject to just claims of confidentiality, be accessible by authorized officers of the Authority.



Article-9
Compliance with Performance Standards

The Licensee shall comply with the relevant provisions of the National Electric Power Regulatory Authority Performance Standards (Generation) Rules 2009 as amended or replaced from time to time.

Article-10
Compliance with Environmental & Safety Standards

10.1 The generation facility of the Licensee shall comply with the environmental and safety standards as may be prescribed by the relevant competent authority as amended or replaced from time to time.

10.2 The Licensee shall provide a certificate on a bi-annual basis, confirming that the operation of its generation facility is in conformity with required environmental standards as prescribed by the relevant competent authority as amended or replaced from time to time.

Article-11
Power off take Point and Voltage

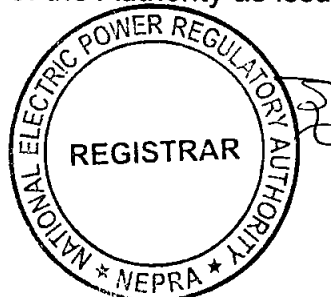
The Licensee shall deliver the electric power to the Power Purchaser at the outgoing Bus Bar of its generation facility. The Licensee shall be responsible for the up-gradation (step up) of generation voltage up to the required dispersal voltage level.

Article-12
Provision of Information

In accordance with provisions of Section-44 of the Act, the Licensee shall be obligated to provide the required information in any form as desired by the Authority without any exception.

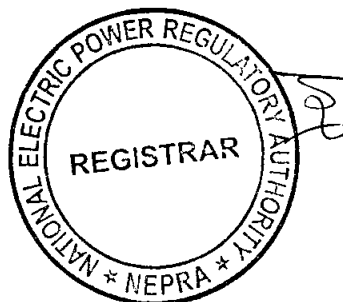
Article-13
Compliance with Applicable Law

The Licensee shall comply with the provisions of the Applicable Law, guidelines, directions and prohibitory orders of the Authority as issued from time to time.

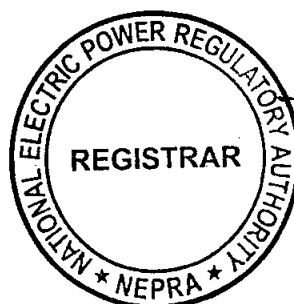
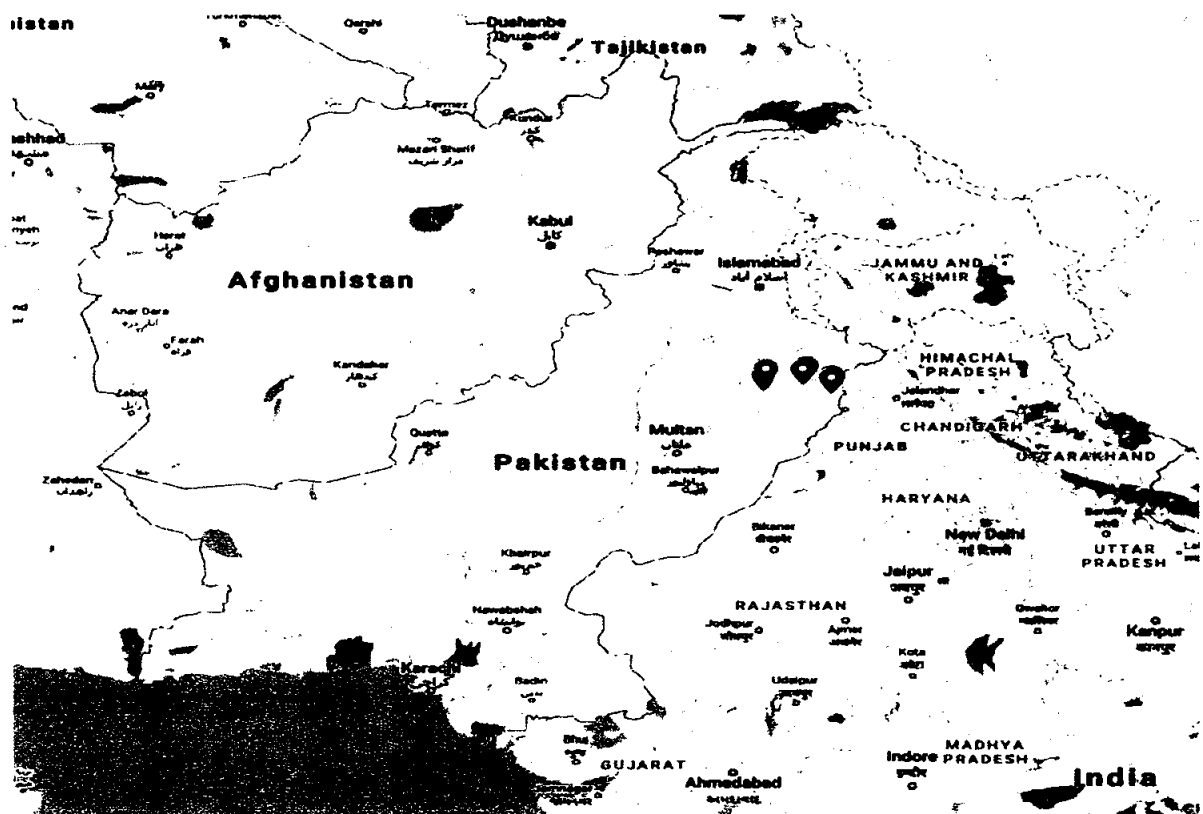


SCHEDULE-I
(Renewed/Modified)
Modification-II

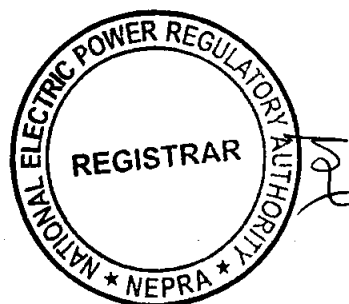
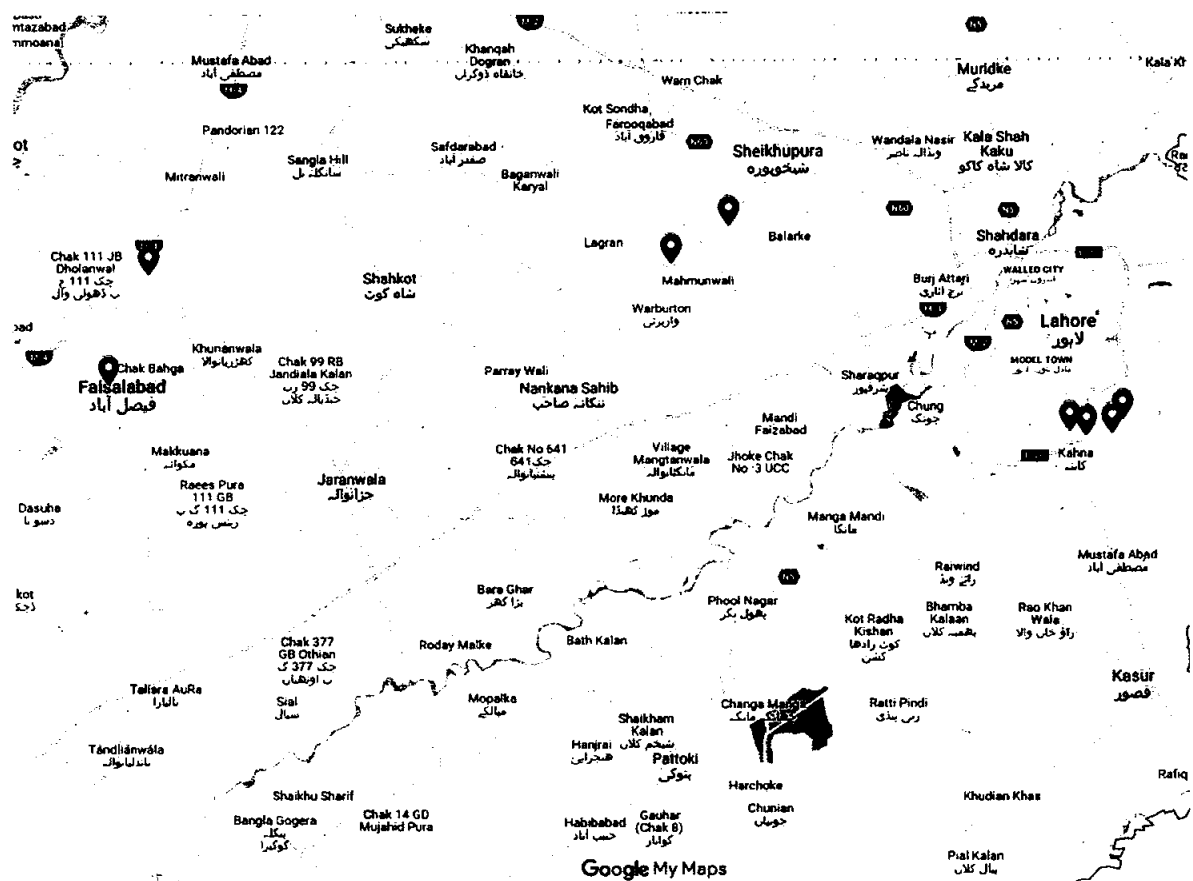
The Location, Size (i.e. Capacity in MW), Type of Technology, Interconnection Arrangements, Technical Limits, Technical/Functional Specifications and other details specific to the Generation Facilities of the Licensee/NML are described in this Schedule.



**Location of all the
Generation Facilities of the Licensee/NML
on the Map of Pakistan**

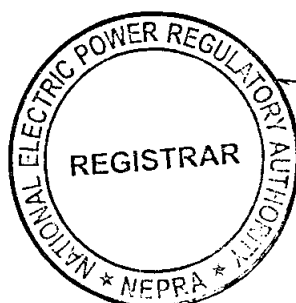


**Location of all the
Generation Facilities of the Licensee/NML
on the Map of the Province of Punjab**

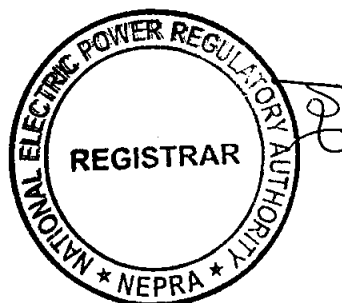
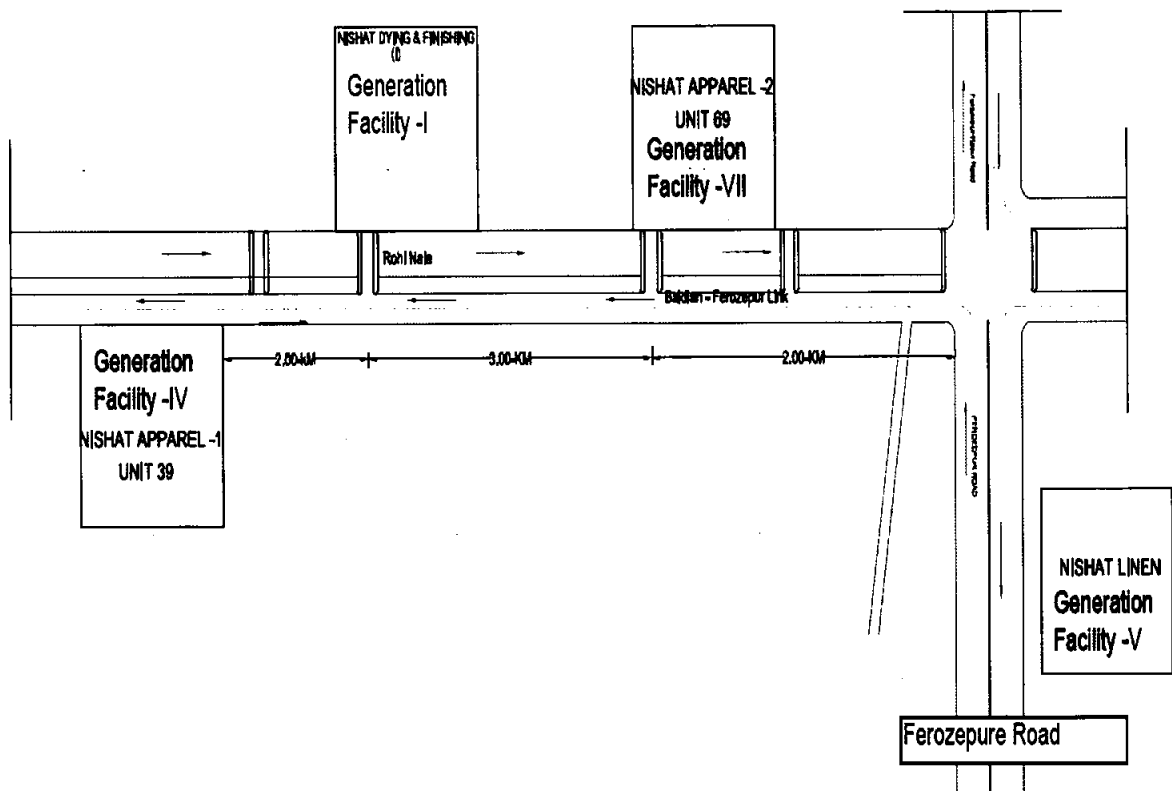


General Information
About the Licensee/Nishat
Mills Limited-NML

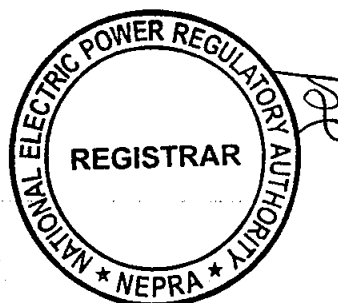
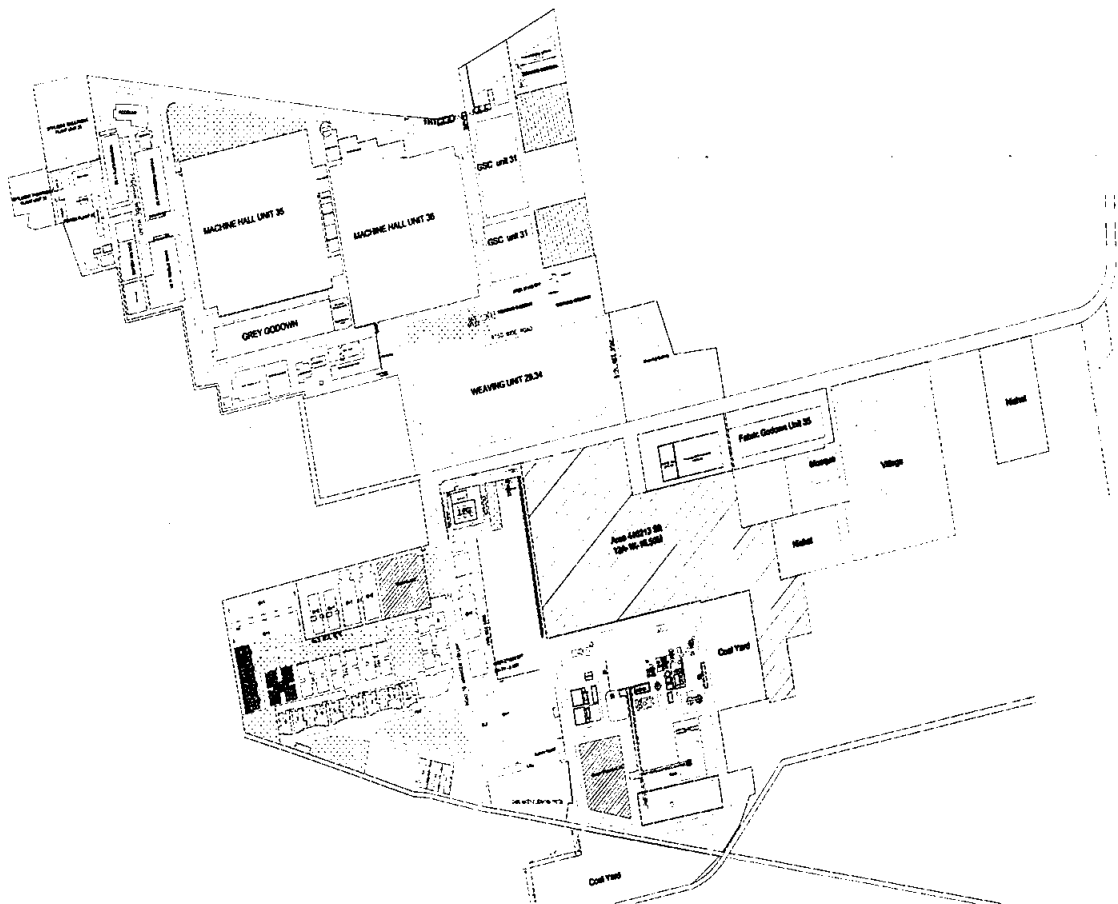
(i).	Name of Company/ the Licensee.	Nishat Mills Limited	
(ii).	Registered /Business Office Address.	Nishat House, 53-A, Lawrence Road, Lahore, in the Province of Punjab.	
(iii).	Location of Generation Facilities.	Generation Facility-I	Textile Manufacturing Plant I, 5 KM, Nishat Avenue, off 22 KM, Ferozepur Road Lahore.
		Generation Facility-II	Textile Manufacturing Plant II 12 KM, Sheikhpura-Faisalabad Road Bhikki, Sheikhpura.
		Generation Facility-III	Textile Manufacturing Plant III Sheikhpura-Faisalabad Road, Nishatabad, Faisalabad.
		Generation Facility-IV	Textile Manufacturing Plant IV, 7 KM, Nishat Avenue, off 22 KM, Ferozepur Road, Lahore.
		Generation Facility-V	Textile Manufacturing Plant V, 21 KM, Ferozepur Road near Masjid Ibrahim Lahore.
		Generation Facility-VI	Textile Manufacturing Plant VI, 20 KM, Faisalabad-Sheikhpura Road, Ferozwatwan Sheikhpura.
		Generation Facility-VII	Textile Manufacturing Plant VII, 2 KM, RohiNala, off 22 KM, Ferozepur Road, Lahore.
		Generation Facility-VIII	Textile Manufacturing Plant VIII FIEDMC, Sahianwala, Faisalabad



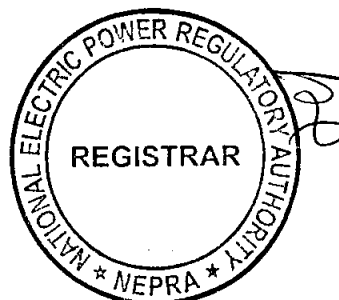
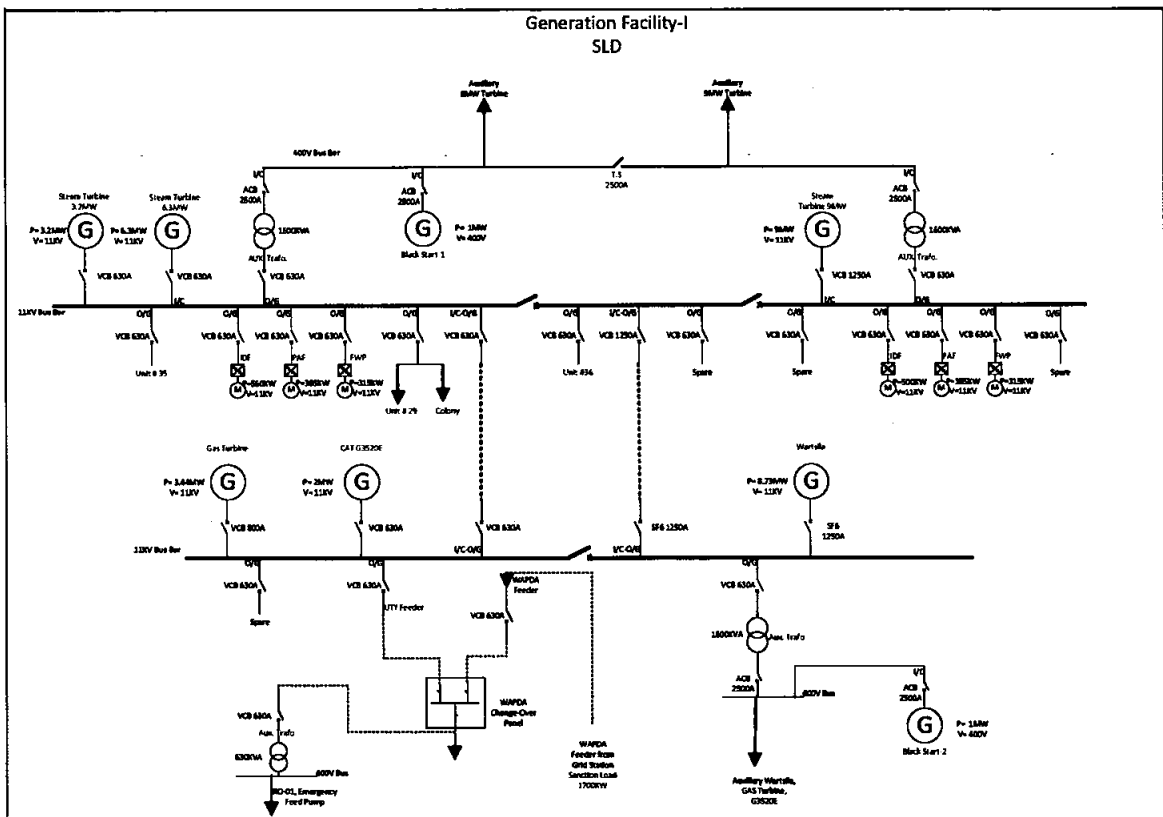
**Location of
the Generation Facility-I of the
Licensee/NML**



Layout of
the Generation Facility-I of the
Licensee/NML



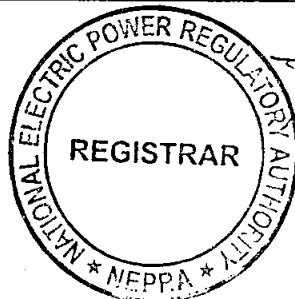
Single line Diagram (Electrical)
of the Generation Facility-I of the
Licensee/NML



Detail
of Generation Facility-I of
the Licensee/NML

(A). Plant Configuration

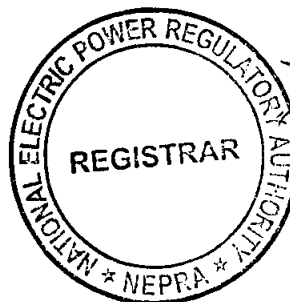
(i).	Installed Capacity of the Generation Facility-I (Gross ISO)	34.670 MW		
(ii).	Type of Technology	Gas Turbine (GT), Steam Turbine (ST), Gas Engine (GE) and Diesel Engine (DE)		
(iii).	Units/Size/Make & Model	Unit No.	Capacity (MW)	Make/Model
		Unit No.1	1x3.44 MW	Gas Turbine Centaur C40 USA
		Unit No.2	1x6.30 MW	Steam Turbine HTC NG 32/25 China
		Unit No.3	1x9.00 MW	Steam Turbine HTC NG 40/45 China
		Unit No.4	1x2.00 MW	Gas Engine Caterpillar G3520E USA
		Unit No.5	1x8.73 MW	Gas/Liquid Engine Wartsila 20V34DF Finland
		Unit No.6-7	2x1.00 MW	Diesel Engine Caterpillar D3512 USA
		Unit No.8	1x3.20 MW	Steam Turbine HTC NG 25/20 China
(iv).	Commercial Operation Date-COD (of each Unit) of the Generation Facility-I	Unit No. 1	2002	
		Unit No. 2	2012	
		Unit No. 3	2015	
		Unit No. 4	2013	
		Unit No. 5	2015	
		Unit No. 6-7	2001	
		Unit No. 8	2019	
(v).	Expected Useful Life (years) of each Unit of the	Unit No. 1	25	
		Unit No. 2	30	



	Generation Facility-I from COD	Unit No. 3	30
		Unit No. 4	25
		Unit No. 5	25
		Unit No. 6-7	25
		Unit No. 8	30
(vi).	Remaining Useful Life (years) of each Unit of the Generation Facility-I at the time of grant of Generation Licence dated September 02, 2008.	Unit No. 1	19
		Unit No. 2	Not installed at that time.
		Unit No. 3	Not installed at that time.
		Unit No. 4	Not installed at that time.
		Unit No. 5	Not installed at that time.
		Unit No. 6-7	18
		Unit No. 8	Not installed at that time.
(vii)	Remaining Useful Life of each Unit of the Generation Facility I at the time of issuance of Modification-I dated October 05, 2015	Unit No. 1	23 ¹
		Unit No. 2	27
		Unit No. 3	30
		Unit No. 4	23
		Unit No. 5	25
		Unit No. 6-7	11
		Unit No. 8	Not Installed at that time
(viii).	Remaining Useful Life (years) of each Unit of the Generation Facility-I at the time of issuance of this Modification dated March----- 2021.	Unit No. 1	17
		Unit No. 2	21
		Unit No. 3	24
		Unit No. 4	17
		Unit No. 5	19
		Unit No. 6-7	23 ²
		Unit No. 8	28

¹ After Major overhauling in 2013.

² Revised on the basis of remaining running hours.



(B). Fuel Details

(i).	Primary Fuel.	Natural Gas (NG), Coal and Biomass.				
(ii).	Alternative Fuel.	Heavy Fuel Oil (HFO)/Diesel Oil (DO).				
(iii).	Fuel Source for each of the above (i.e. Imported/Indigenous).	Imported/Indigenous.				
(iv).	Fuel Supplier for each of the above.	NG	Coal	Biomass	HFO	DO
		SNGPL	Imported & Local	Local	Imported & Local	Imported & Local
(v).	Fuel Supply Arrangement	Through Pipelines/Trucks/Tanks.				
(vi).	No of Storage Tanks/Sheds /Yards.	NG	Coal	Biomass	HFO	DO
		NA	02 Yards	01 Shed	02 Tanks	02 Tanks
(vii).	Storage Capacity of each Tank (T)/Shed (S) & Yard(Y)	NG	Coal	Biomass	HFO	DO
		NA	Y1	S1	T1	T1
			35000 MT	10000 MT	169 Tons	75398 Liters
			Y2		T2	T2
(viii).	Gross Storage.	N/A	15000 MT	10000 MT	169 Tons	75398 Liters
			50000 MT		338 Tons	150,796 Liters

(C). Emission Values

		NG	Coal	Bio-Mass	HFO	DO
(i).	SO _x	-	≤400 mg/Nm ³	≤400 mg/Nm ³	150 mg/Nm ³	-
(ii).	NO _x	248 mg/Nm ³	450 mg/Nm ³	400 mg/Nm ³	540 mg/Nm ³	-
(iii).	CO	171 mg/nm ³	200 mg/Nm ³	250 mg/Nm ³	300 mg/Nm ³	-
(iv).	PM ₁₀	-	Dust ≤50 mg/Nm ³	Dust ≤50 mg/Nm ³	Max 105 mg/nm ³	-



21

(D). Cooling System

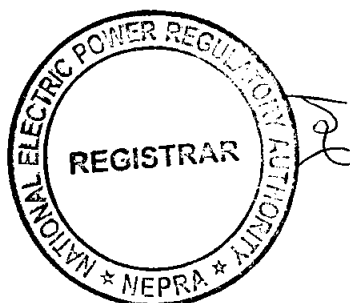
(i).	Cooling Water Source/Cycle.	Irrigation Department, Government of Punjab/Water Turbines (ground water).
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(E). Plant Characteristics

		GT	GE	DE	ST
(i).	Generation Voltage.	11KV & 0.4 KV	11KV & 0.4 KV	11KV & 0.4 KV	11KV & 0.4 KV
(ii).	Frequency.	50Hz	50Hz	50Hz	50Hz
(iii).	Power Factor.	0.8 Lagging	0.8 Lagging	0.8 Lagging	0.8 Lagging
(iv).	Automatic Generation Control (AGC).	Yes	Yes	Yes	Yes
(v).	Ramping Rate.	25 KW/Second	15 KW/Second	18 KW/Second	16.6 KW/Second
(vi).	Time required to Synchronize to Grid and loading the complex to full load.	Not connected to grid 2.3 Minutes to Synchronize	Not connected to grid 2.5 Minutes for all gas engines	Not connected to grid 2.8 Minutes	Not connected to grid 8-24 hours to synchronize

(F). Interconnection Arrangement

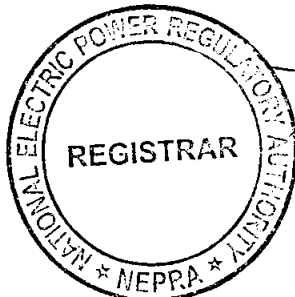
The electric power from the Generation Facility-I shall be dispersed to the designated affiliated Units/Industrial Concerns of the Licensee/NML (i.e. unit No.39 Textile Manufacturing Plant IV and Unit No.69 Textile Manufacturing Plant VII). The detail of the same is provided in the subsequent section to follow.



121

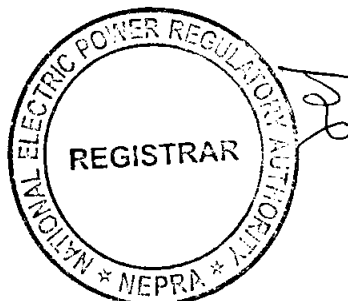
Information pertaining to the designated affiliated Unit/Industrial concern (i.e. Unit No. 39 Textile Manufacturing Plant IV) of the Licensee/NML supplied from the Generation Facility-I of the Licensee/NML

(i).	Location of the Designated Affiliated Unit/Industrial Concern (i.e. Unit No. 39 Textile Manufacturing Plant IV) of the Licensee/NML (distance and/or identity of premises).	Nishat Mills Limited-NML (Unit No. 39 i.e. Textile Manufacturing Plant IV,) Located within Generation Facility-IV Located at 7 KM, Nishat Avenue, off 22 KM, Ferozepur Road, Lahore.
(ii).	Contracted Capacity and Load Factor of the designated affiliated Unit/Industrial Concern (i.e. Unit No. 39).	2.00 MW/Variable.
(iii).	Specify Whether	
	(a).	The Designated Affiliated Unit/Industrial Concern (i.e. Unit No. 39 Textile Manufacturing Plant IV) is an associate undertaking of the Licensee/NML-If yes, specify percentage ownership of equity;
	(b).	There are common directorships;
	(c).	Can exercise influence or control over the other.
(iv).	Specify Nature of Contractual Relationship.	
	(a).	Between the Designated Affiliated Unit/Industrial Concern (i.e. Unit No. 39 Textile Manufacturing Plant IV) and the Licensee/NML;
	(b).	Between Designated Affiliated Unit/Industrial Concern (i.e. Unit No. 39 Textile Manufacturing Plant IV) and host DISCO.
(v).	Any other network information deemed relevant to disclosure to or consideration by the Authority.	N/A



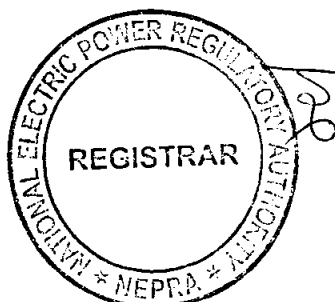
Information Regarding Distribution Network for Supply of Electric Power to the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 39 Textile Manufacturing Plant IV) of the Licensee/NML Supplied from the Generation Facility-I of the Licensee/NML

(i).	No. of Feeder(s).	One (01)
(ii).	Length of Feeder.	Feeder No.1
		2.4 KM
(iii).	In respect of the Feeder, describe the property (streets, farms, Agriculture land etc.) through which under or over it passes right up to the premises of customers, whether it crosses over or passes near the DISCO(s) lines.	The Feeder passes through the Licensee NML, Public Property (Rohi Nala Road) and Property of Affiliated Unit/Yes Crosses over and near the LESCO(s) line.
(iv).	Whether owned by the Licensee/NML, Designated Affiliated Unit/Industrial Concern (i.e. Unit No. 39 Textile Manufacturing Plant IV) or DISCO.	
	(a).	If owned by DISCO, furnish particulars of contractual arrangement;
	(b).	Operation and Maintenance responsibility of the Feeder.
(v).	Whether connection with network of DISCO exists (whether active or not), if yes, provide details of connection arrangements (both technical and contractual).	Yes. Connection With LESCO exists under tariff B3 and sanctioned load is 1.95 MW.
(vi).	Any other network information deemed relevant for disclosure to or consideration by the Authority.	N/A



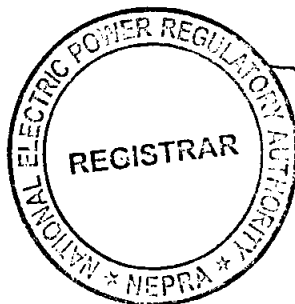
Information pertaining to the Designated Affiliated Unit/Industrial Concern (i.e. Unit No. 69 Textile Manufacturing Plant VII) of the Licensee/NML Supplied from the Generation Facility-I of the Licensee/NML

(i).	Location of the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69 Textile Manufacturing Plant VII) of NML (distance and/or identity of premises).	Nishat Mills Limited-NML (Unit No. 69 i.e. Textile Manufacturing Plant VII) within Generation Facility-VII Located at 2 KM, off 22 KM, Ferozepur Road, Lahore.
(ii).	Contracted Capacity and Load Factor of the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69 Textile Manufacturing Plant VII).	2.00 MW/Variable.
(iii).	Specify Whether	
	(a).	The Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69 Textile Manufacturing Plant VII) is an associate undertaking of the Licensee/NML-If yes, specify percentage ownership of equity;
	(b).	There are common directorships;
	(c).	Can exercise influence or control over the other.
(iv).	Specify Nature of Contractual Relationship.	
	(a).	Between the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69 Textile Manufacturing Plant VII) and the Licensee/NML;
	(b).	Between the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69 Textile Manufacturing Plant VII) and host DISCO.
(v).	Any other network information deemed relevant to disclosure to or consideration by the Authority.	N/A



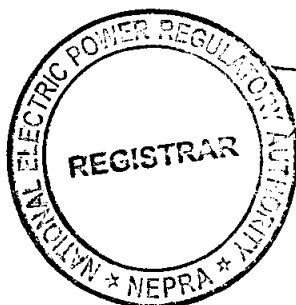
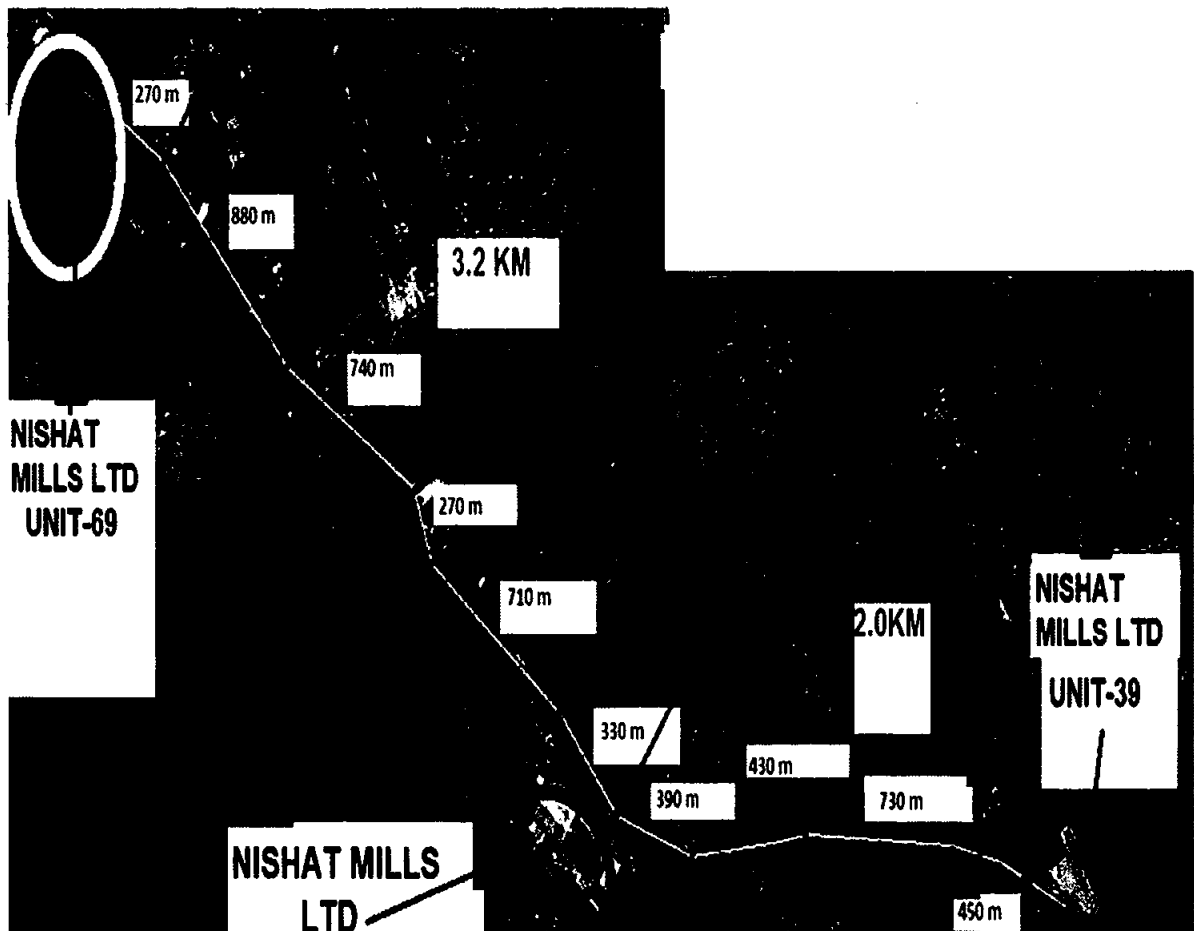
Information Regarding Distribution Network for Supply of Electric Power to the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69) of the Licensee/NML Supplied from the Generation Facility-I of the Licensee/NML

(i).	No. of Feeder(s).	One (01)
(ii).	Length of Feeder.	Feeder No.2
		2.7 KM
(iii).	In respect of the Feeder, describe the property (streets, farms, Agriculture land etc.) through which under or over it passes right up to the premises of customers, whether it crosses over or passes near the DISCO(s) lines.	The Feeder passes through the Licensee/NML, Public Property (Rohi Nala Road) and Property of Affiliated Unit/Yes Crosses over and near the LESCO(s) line.
(iv).	Whether owned by the Licensee/NML, the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69 Textile Manufacturing Plant VII) or DISCO.	
	(a). If owned by DISCO, furnish particulars of contractual arrangement;	The feeder will be constructed by the Licensee/NML or the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69 Textile Manufacturing Plant VII) and will be handed over to LESCO through sale or lease as decided by the parties mutually.
	(b). Operation and Maintenance responsibility of the Feeder.	The Operation and Maintenance of the Feeder will be by LESCO or the Licensee/NML or the Designated Affiliated Unit/Industrial concern (i.e. Unit No. 69 Textile Manufacturing Plant VII) as decided by the parties mutually.
(v).	Whether connection with network of DISCO exists (whether active or not), if yes, provide details of connection arrangements (both technical and contractual).	Yes connection with LESCO exists under tariff B3 and sanctioned load is 1300 KW.
(vi).	Any other network information deemed relevant for disclosure to or consideration by the Authority.	N/A

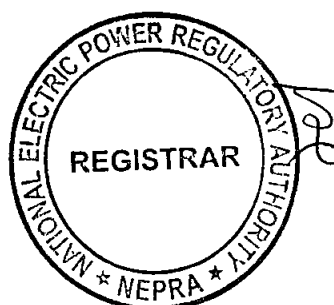
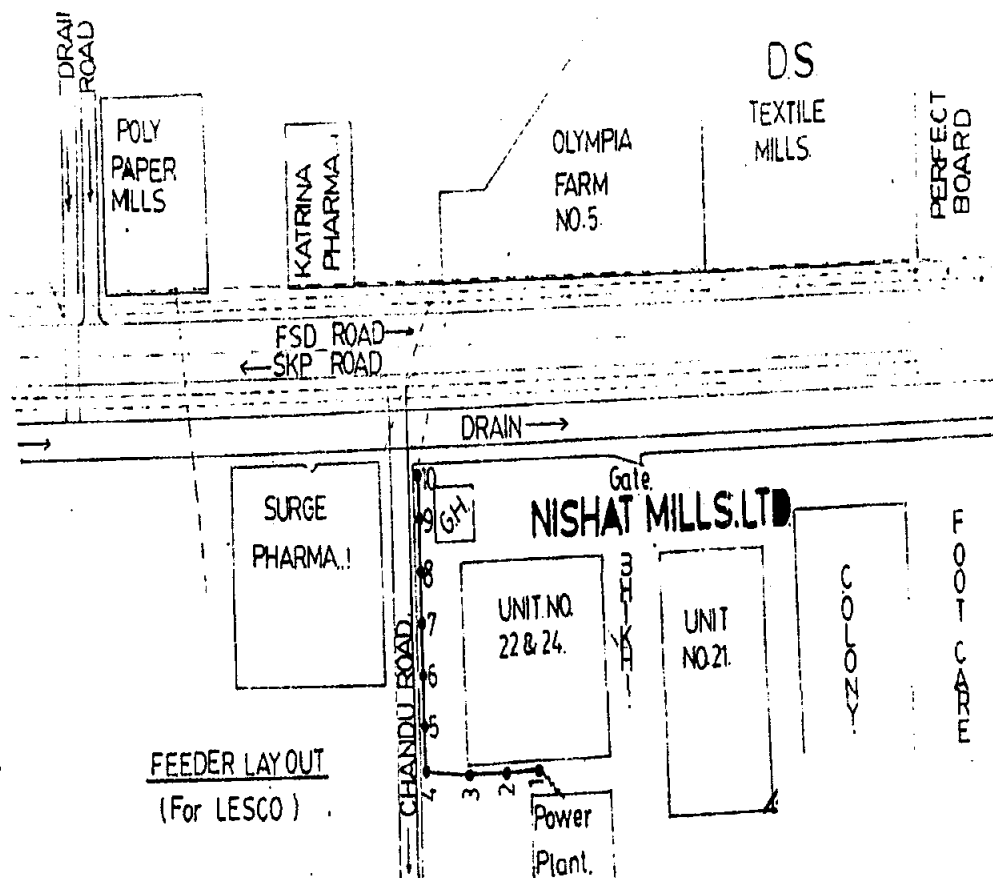


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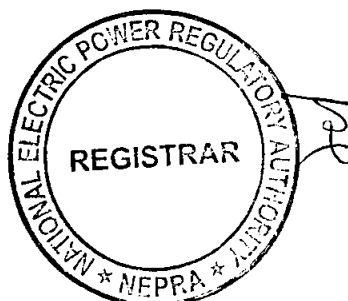
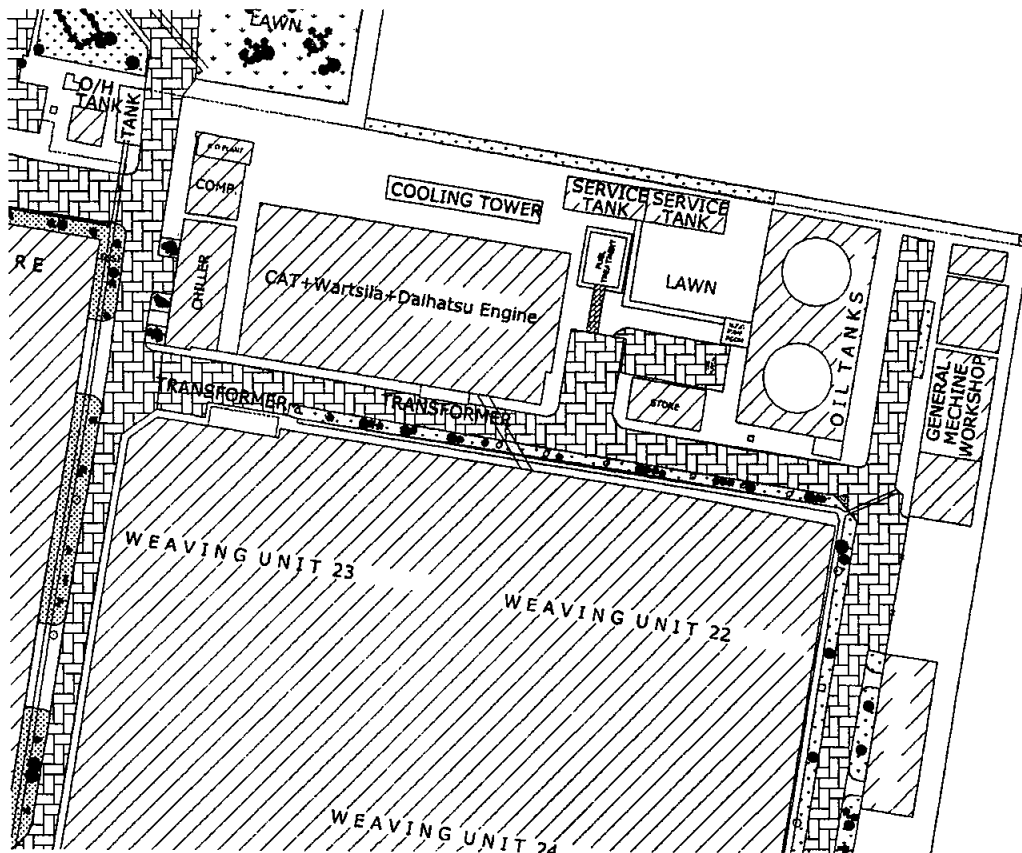
Supply Route from the Generation Facility-I of the Licensee/NML to Designated Affiliated Units/Industrial concerns (i.e. Unit No. 39 Textile Manufacturing Plant IV and Unit No. 69 Textile Manufacturing Plant VII) of the Licensee/NML



Location of
the Generation Facility-II of the
Licensee/NML



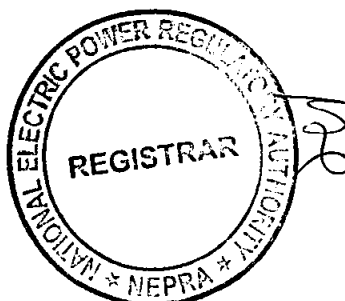
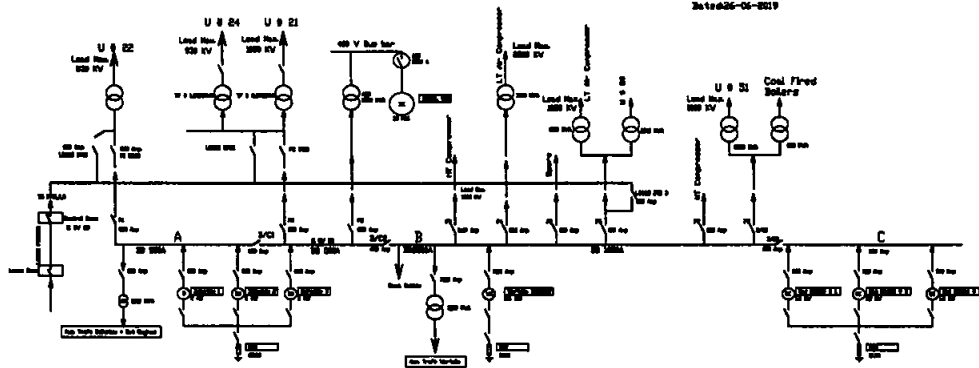
Layout of
the Generation Facility-II of the
Licensee/NML



21

Single line Diagram (Electrical)
Of the Generation Facility-II of the
Licensee/NML

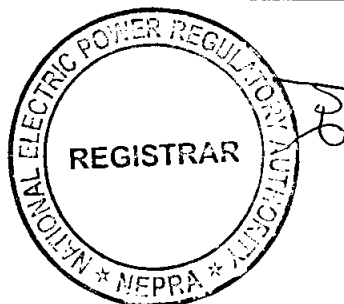
SINGLE LINE DIAGRAM OF GENERATION FACILITY II-POWER PLANT II



**Detail of the
Generation Facility-II of the
Licensee/NML**

(A). Plant Configuration

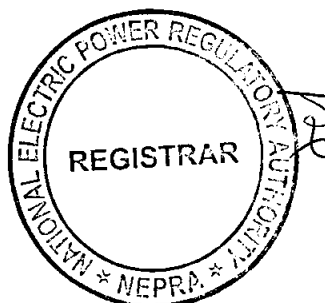
(i).	Installed Capacity of the Generation Facility-II (Gross ISO).	20.364 MW		
(ii).	Type of Technology.	Furnace Oil, Gas Engine and Diesel Engine		
(iii).	Units/Size /Make & Model.	Unit No.	Capacity (MW)	Make/Model
		Unit No.1-3	3 X1.58 MW	Gas Engine (Caterpillar) G3516C USA
		Unit No. 4-6	3 X 2 MW	(HFO) Engine (Daihatsu) 8DL32 Japan
		Unit No. 7	1X1 MW	Diesel Engine (Caterpillar) D3512 USA
		Unit No. 8	1 X 8.624 MW	Gas Engine (Wartsila) 20V34DF Finland
(iv).	Commercial Operation Date-COD (of each Unit) of the Generation Facility-II.	Unit No.1-3	2010	
		Unit No. 4-6	1995	
		Unit No. 7	1990	
		Unit No. 8	2014	
(v).	Expected Useful Life (years) of each Unit of the Generation Facility-II from COD.	Unit No.1-3	25	
		Unit No. 4-6	25	
		Unit No. 7	25	
		Unit No. 8	25	
(vi).	Remaining Useful Life (years) of each Unit of the Generation Facility-II at the time of grant of	Unit No.1-3	Not installed at that time.	
		Unit No. 4-6	12	
		Unit No. 7	7	
		Unit No. 8	Not installed at that time.	



	Generation Licence dated September 02, 2008.		
(vii)	Remaining Useful Life of each Unit of the Generation Facility-II at the time of issuance of Modification-I dated October 05, 2015	Unit No.1-3	20
		Unit No. 4-6	5
		Unit No. 7	25 ³
		Unit No. 8	24
(viii)	Remaining Useful Life (years) of each Unit of the Generation Facility-II at the time of issuance of this Modification dated March----- 2021	Unit No.1-3	14
		Unit No. 4-6	15 ⁴
		Unit No. 7	19
		Unit No. 8	18

³ After Major Overhauling in 2015.

⁴ Revised on the basis of remaining running hours.



20.

(B). Fuel Details

(i).	Primary Fuel.	Heavy Fuel Oil (HFO) and NG			
(ii).	Alternative Fuel.	Diesel Oil (DO)			
(iii).	Fuel Source for each of the above (i.e. Imported/ Indigenous).	Imported/Indigenous			
(iv).	Fuel Supplier for each of the above.	NG	HFO		DO
		SNGPL	Imported & Local		Imported & Local
(v).	Fuel Supply Arrangement	Through Pipelines	Tankers		Tankers
(vi).	No of Storage Tanks.	NG	HFO		DO
		N/A	02 Tanks		02 Tank
(vii).	Storage Capacity of each Tank.	NG	HFO		DO
		N/A	T1	937.588 Tons	T1 22,767 Liters
			T2	959.784 Tons	T2 22,767 Liters
(viii).	Gross Storage.	NG	HFO		DO
		N/A	1897.372 Tons		45,534 Liters

(C). Emission Values

		NG	HFO	DO
(i).	SO _x	380.7	≤ 1384.62 1610-1658 mg/Nm ³	141.0
(ii).	NO _x	≤398.55 mg/Nm ³	≤577.96 mg/Nm ³	≤ 531.27 mg/Nm ³
(iii).	CO	≤ 769.98 mg/Nm ³	≤ 158.67 mg/Nm ³	≤503.07 mg/Nm ³
(iv).	PM ₁₀	≤ 43.2 mg/Nm ³	≤ 128 mg/Nm ³	≤ 128 mg/Nm ³



(D). Cooling System

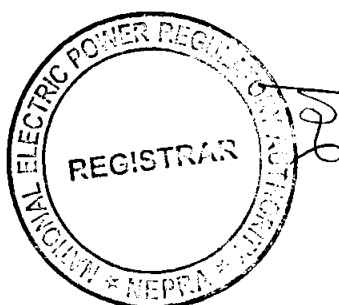
(i).	Cooling Water Source/Cycle.	Ground Water Turbines.
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(E). Plant Characteristics

		HFO	GE	DE
(i).	Generation Voltage.	11KV	11KV	0.4KV
(ii).	Frequency.	50Hz	50Hz	50Hz
(iii).	Power Factor.	0.8 Lagging	0.8 Lagging	0.8 Lagging
(iv).	Automatic Generation Control (AGC).	Yes	Yes	Yes
(v).	Ramping Rate.	20 KW/Sec	15 KW/Sec	20 KW/Sec
(vi).	Time required to Synchronize to Grid and loading the complex to full load.	Not Connected to Grid 07 Minutes to Synchronize	Not Connected to Grid 10 Minutes to Synchronize	Not Connected to Grid 03 Minutes to Synchronize

(F). Interconnection Arrangement

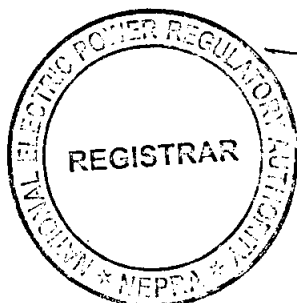
The electric power from the Generation Facility-II shall be dispersed to the designated affiliated Unit/Industrial Concern (i.e. Textile Manufacturing Plant-VI) of the Licensee/NML. The detail of the same is provided in the subsequent section to follow.



21

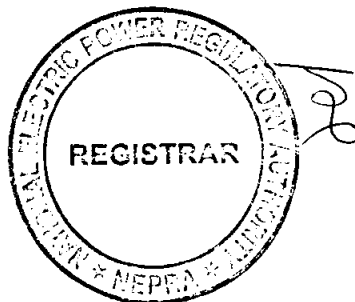
Information pertaining to the designated affiliated unit/industrial concern (i.e. Textile Manufacturing Plant-VI) of the Licensee/NML supplied from the Generation Facility-II of the Licensee/NML

(i).	Location of the Designated Affiliated Unit/Industrial Concern (i.e. Textile Manufacturing Plant-VI) of the Licensee/NML (distance and/or identity of premises).	Nishat Mills Limited-NML (Textile Manufacturing Plant-VI) Located at 20 km Faisalabad-Sheikhupura Road, Ferozewatwan.
(ii).	Contracted Capacity and Load Factor of the Designated Affiliated Unit/Industrial Concern (i.e. Textile Manufacturing Plant-VI).	7.50 MW/Variable.
(iii).	Specify Whether	
	(a). The Designated Affiliated Unit/Industrial Concern (i.e. Textile Manufacturing Plant-VI) is an associate undertaking of the Licensee/NML-If yes, specify percentage ownership of equity;	The Designated Affiliated Unit/Industrial Concern (i.e. Textile Manufacturing Plant-VI) is a facility of the Licensee/NML. The Licensee/NML is legal corporate entity which owned this manufacturing plant. The percentage ownership of equity is 100%;
	(b). There are common directorships;	Yes. The Licensee/NML is legal corporate entity which owned this manufacturing plant;
	(c). Can exercise influence or control over the other.	Yes. The Licensee/NML is legal corporate entity which owned this manufacturing plant.
(iv).	Specify Nature of Contractual Relationship.	
	(a). Between the Designated Affiliated Unit/Industrial Concern (i.e. Textile Manufacturing Plant-VI) and the Licensee/NML;	Firm supply of electricity on a continuous basis;
	(b). Between the Designated Affiliated Unit/Industrial Concern (i.e. Textile Manufacturing Plant-VI) and host DISCO.	Yes. Two separate Connections With LESCO exist under tariff B-3 (with sanctioned load of 4.95 MW and 3.65 MW).
(v).	Any other network information deemed relevant to disclosure to or consideration by the Authority.	N/A

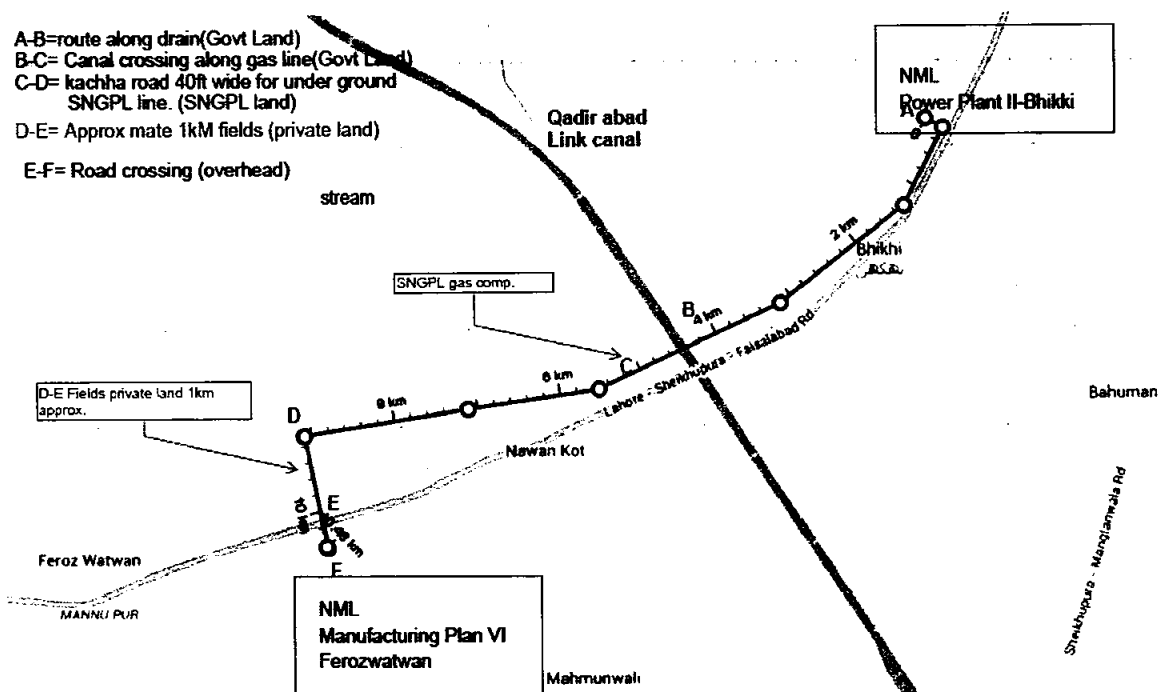


Information Regarding Distribution Network for Supply of Electric Power to the Designated Affiliated Unit/Industrial Concern (i.e. Manufacturing Plant-VI) of the Licensee/NML Supplied from the Generation Facility-II of the Licensee/NML

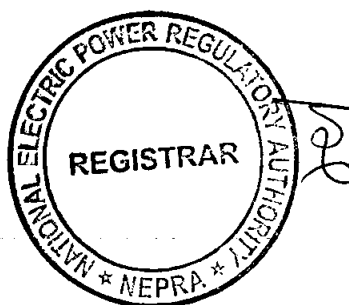
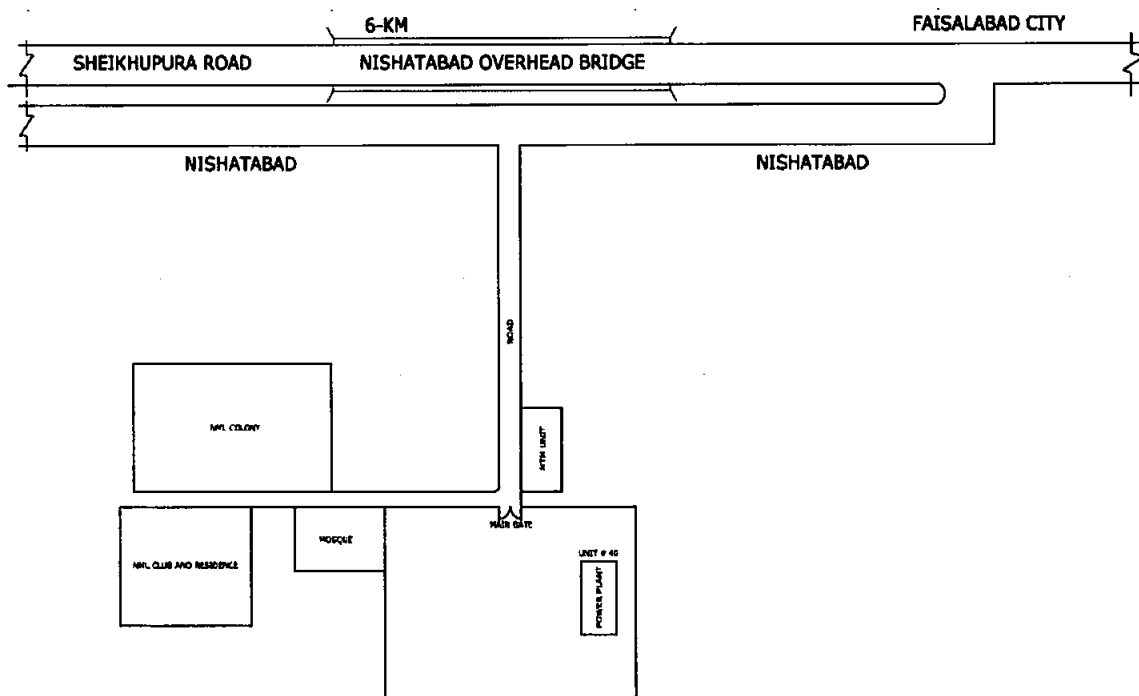
(i).	No. of Feeder(s).	Two (02)	
(ii).	Length of Feeder(s).	Feeder No.1	Feeder No.2
		12.50 KM	12.50 KM
(iii).	In respect of the Feeders, describe the property (streets, farms, Agriculture land etc.) through which under or over it pass right up to the premises of customers, whether they crosses over or pass near the DISCO(s) lines.	The Feeders will pass through the Licensee/NML, Public Property (Faisalabad-Sheikhupura Road) and Property of the Designated Affiliated Unit/Industrial Concern (i.e. Manufacturing Plant-VI). Yes they Cross over and Pass near the LESCO line.	
(vi).	Whether owned by the Licensee/NML, Designated Affiliated Units/Industrial concerns or DISCO.		
	(a).	If owned by DISCO, furnish particulars of contractual arrangement;	The feeders will be constructed by the Licensee/NML or the Designated Affiliated Unit/Industrial Concern (i.e. Manufacturing Plant-VI) and will be handed over to LESCO through sale or lease as decided by the parties mutually;
	(b).	Operation and Maintenance responsibility of the Feeder.	The Operation and Maintenance of the Feeder will be by LESCO or the Licensee/NML or Designated Affiliated Unit/Industrial Concern (i.e. Manufacturing Plant-VI) as decided by the parties mutually.
(v).	Whether connection with network of DISCO exists (whether active or not), if yes, provide details of connection arrangements (both technical and contractual).	Yes. Two separate Connections With LESCO exist under tariff B-3 (with sanctioned load of 4.95 MW and 3.65 MW).	
(vi).	Any other network information deemed relevant for disclosure to or consideration by the Authority.	N/A	



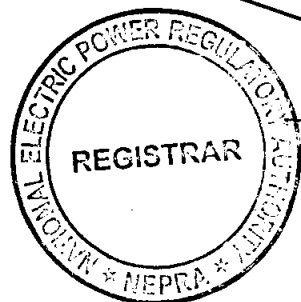
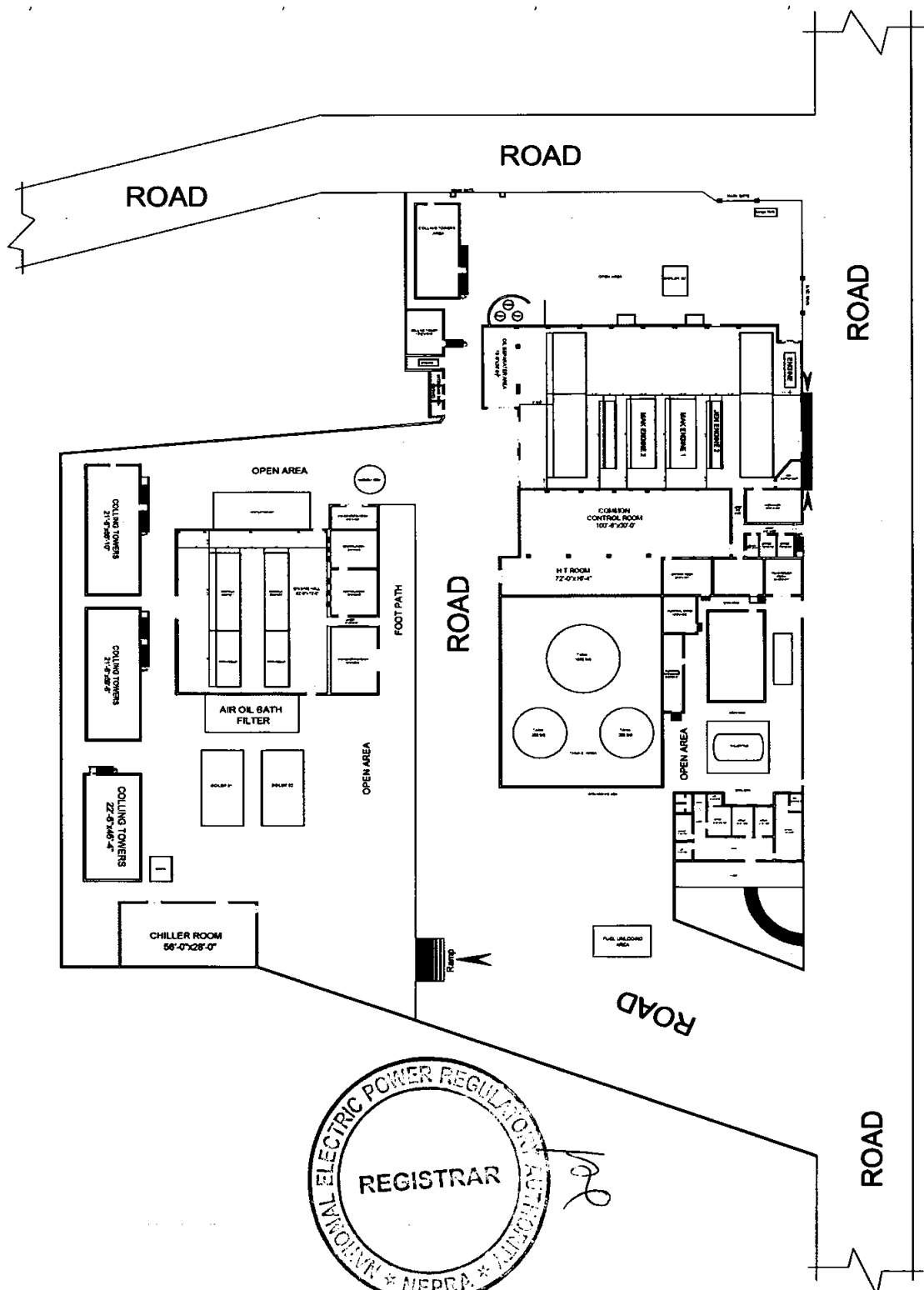
Supply Route from the Generation Facility-II of the Licensee/NML to Designated Affiliated Unit/Industrial concern (i.e. Manufacturing Plant-VI) of the Licensee/NML

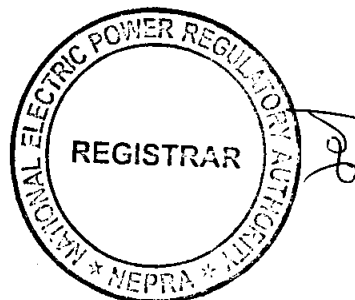


**Location of the
Generation Facility-III of the
Licensee/NML**



Layout of
the Generation Facility-III of the
Licensee/NML

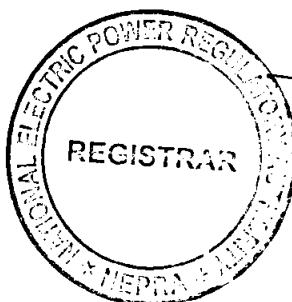




Detail
of Generation Facility-III of the
Licensee/NML

(A). Plant Configuration

(i).	Installed Capacity of the Generation Facility-III (Gross ISO).	30.06 MW		
(ii).	Type of Technology.	Gas Engine, HFO, Diesel Engine		
(iii).	Units/Size /Make & Model.	Unit No.	Capacity (MW)	Make/Model
		Unit No. 1	1 x 9.7MW	Gas Engine (Wartsila) 20V34DF-B Finland
		Unit No. 2	1 x 5.9MW	Gas Engine (Wartsila) 18V34SG Finland
		Unit No. 3 & 4	2 x 5.88MW	HFO Engine (Mak) 16M453C Germany
		Unit No. 5	1 x 2.7MW	Gas Engine (Jenbacher) JGS620GS-N.L. Austria
(iv).	Commercial Operation Date-COD (of each unit) of the Generation Facility-III.	Unit No. 1	2016	
		Unit No. 2	2004	
		Unit No. 3 & 4	1991	
		Unit No. 5	2006	
(v).	Expected Useful Life (years) of the Generation Facility-III from COD.	Unit No. 1	25	
		Unit No. 2	25	
		Unit No. 3 & 4	25	
		Unit No. 5	25	
(vi).	Remaining Useful Life (years) of each	Unit No. 1	Not installed at that time	
		Unit No. 2	21	

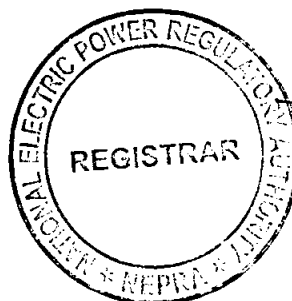


	Unit of the Generation Facility-III at the time of grant of Generation Licence dated September 02, 2008.	Unit No. 3 & 4	08
		Unit No. 5	23
(vii).	Remaining Useful Life of each Unit of the Generation Facility-III at the time of issuance of Modification-I dated October 05, 2015	Unit No. 1	Not installed at that time
		Unit No. 2	14
		Unit No. 3 & 4	22 ⁵
		Unit No. 5	16
(viii).	Remaining Useful Life (years) of each Unit of the Generation Facility-III at the time of issuance of this Modification dated March---- 2021	Unit No. 1	20
		Unit No. 2	22 ⁶
		Unit No. 3 & 4	16
		Unit No. 5	15 ⁷

⁵ After Major Overhauling completed in 2012.

⁶ After Major Overhauling completed in 2018.

⁷ After Major Overhauling completed in 2011.



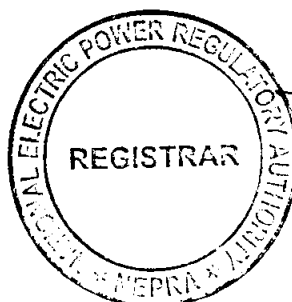
(B). Fuel Details

(i).	Primary Fuel.	HFO and NG				
(ii).	Alternative Fuel.	Diesel Oil (DO)				
(iii).	Fuel Source for each of the above (i.e. Imported/Indigenous).	Imported/Indigenous				
(iv).	Fuel Supplier for each of the above	NG	HFO		DO	
		SNGPL	Local & imported		Local & imported	
(v).	Fuel Supply Arrangement.	Through Pipelines	Tankers		Tankers	
(vi).	No of Storage Tanks.	NG	HFO		DO	
		-	01 Tank		02 Tanks	
(vii).	Storage Capacity of each Tank.	NG	HFO		DO	
		-	T1	1800 Tons	T1	250 m ³
					T2	250 m ³
(viii).	Gross Storage.	NG	HFO		DO	
		-	1800 Tons		500 m ³	

(C). Emission Values

		HFO	NG
(i).	SO _x	850 mg/nm ³	Nil
(ii).	NO _x	573 mg/nm ³	201 mg/nm ³
(iii).	CO	205 mg/nm ³	512 mg/nm ³
(iv).	PM ₁₀	246 mg/nm ³	20 – 30 mg/nm ³

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(D). Cooling System

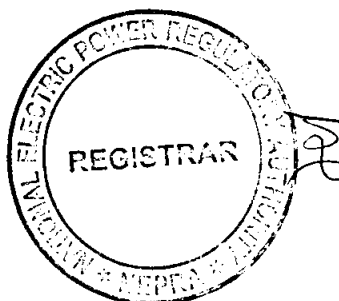
(i).	Cooling Water Source/Cycle.	Irrigation Department, Government of Punjab/WASA/Water Turbines.
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(E). Plant Characteristics

		GE	DE
(i).	Generation Voltage	11 KV	11 KV
(ii).	Frequency	50 Hz	50 Hz
(iii).	Power Factor	0.8 Lagging	0.8 Lagging
(iv).	Automatic Generation Control (AGC)	Yes	Yes
(v).	Ramping Rate	8-15 KW/Sec	14 KW/Sec
(vi).	Time required to Synchronize to Grid and loading the complex to full load	Not connected to grid 6.2 Minutes to Synchronize	Not connected to grid 05 Minutes to Synchronize

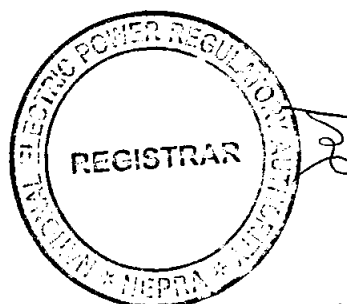
(F). Interconnection Arrangement

The electric power from the Generation Facility-III is mostly used for self-consumption. Further, 1.2 MW surplus electric power being dispersed to designated Bulk Power Consumer-BPC in the name of Masood Textile Mills Limited (MTML) which is a tenant of the Licensee/NML. The detail of the same is provided in the subsequent section to follow.



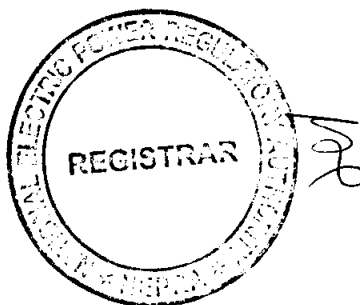
Information pertaining to the BPC (i.e. MTML) of the Licensee/NML

(i).	Location of BPC (i.e. MTML) (distance and/or identity of premises).	6-KM Faisalabad-Sheikupura Road, Nishatabad, Faisalabad. (Inside the premises of the Licensee/NML as its tenet).	
(ii).	Contracted Capacity and Load Factor of BPC (i.e. MTML).	1.2 MW/Load Factor = 0.90%	
(iii).	Specify Whether		
	(a).	BPC (i.e. MTML) is an associate undertaking of the Licensee/NML-If yes, specify percentage ownership of equity;	No.
	(b).	There are common directorships;	No.
	(c).	Either can exercise influence or control over the other.	No.
(iv).	Specify Nature of Contractual Relationship.		
	(a).	Between BPC (i.e. MTML) and the Licensee/NML;	Firm Supply of Electricity on Continuous basis;
	(b).	BPC (i.e. MTML) and host DISCO.	No network connection exists with FESCO.
(v).	Any other Network Information deemed relevant to disclosure to or consideration by the Authority.	N/A	



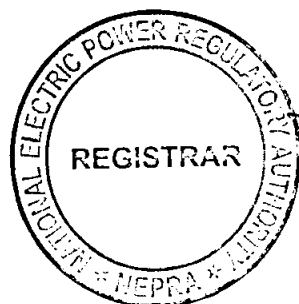
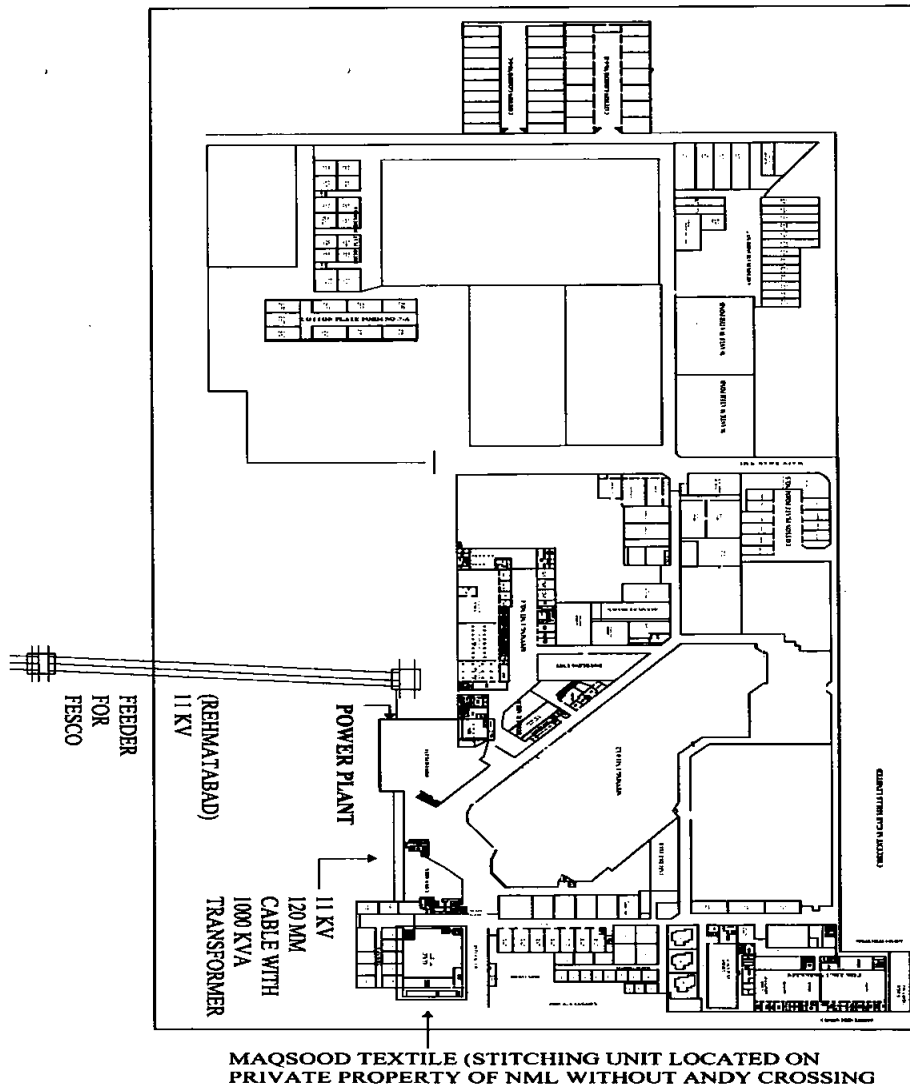
Information Regarding Distribution Network for Supply of Power to MTML of the Licensee/NML

(i).	No. of Feeder(s)	One (01)
(ii).	Length of Feeder	200 Meter
(iii).	In respect of the Feeder, describe the property (streets, farms, Agriculture land etc.) through which under or over it passes right up to the premises of customer, whether it crosses over or passes near the DISCO(s) lines.	The 11 KV underground cable supplying power to MTML (which is a tenant of the Licensee) is located on private property of NML, without crossing any FESCO(s) lines.
(iv).	Whether owned by the Licensee/NML, BPC (i.e. MTML) or DISCO.	
	(a).	If owned by DISCO, please furnish particulars of contractual arrangement;
	(b).	Operation and Maintenance responsibility for Feeder.
(v).	Whether connection with network of DISCO exists (whether active or not), if yes, provide details of connection arrangements (both technical and contractual).	No.
(vi).	Any other network information deemed relevant for disclosure to or consideration by NEPRA.	N/A

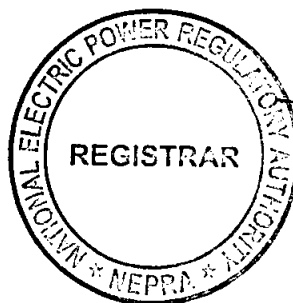
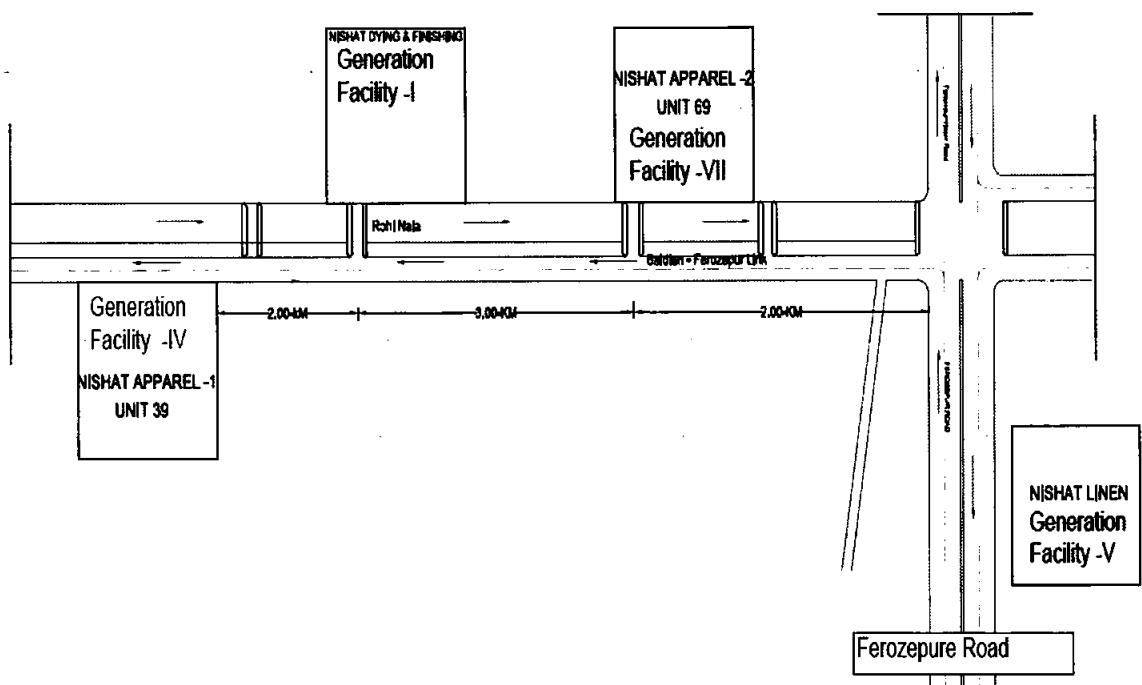


2

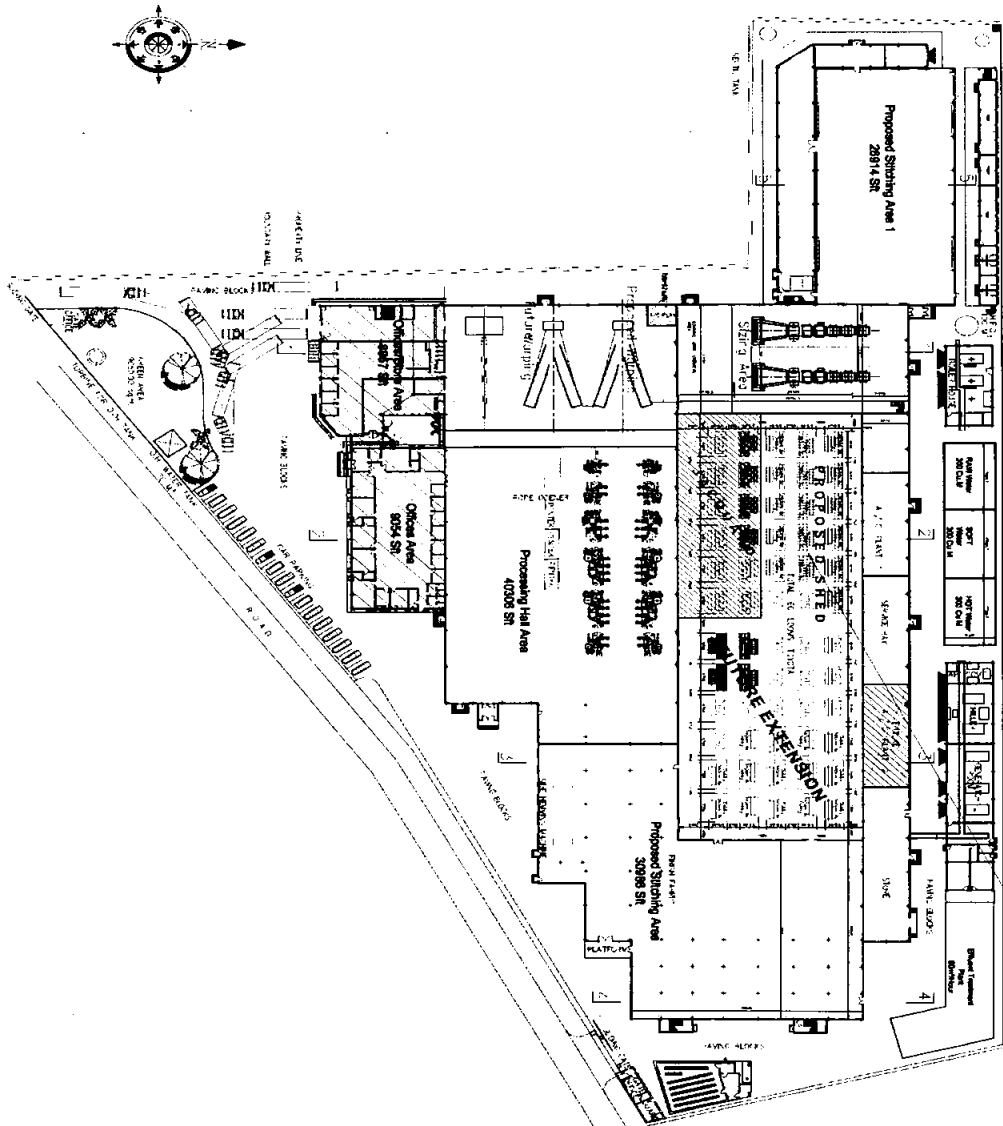
**Location of
BPC (MTML) of the
Licensee/NML**



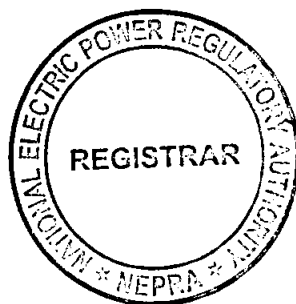
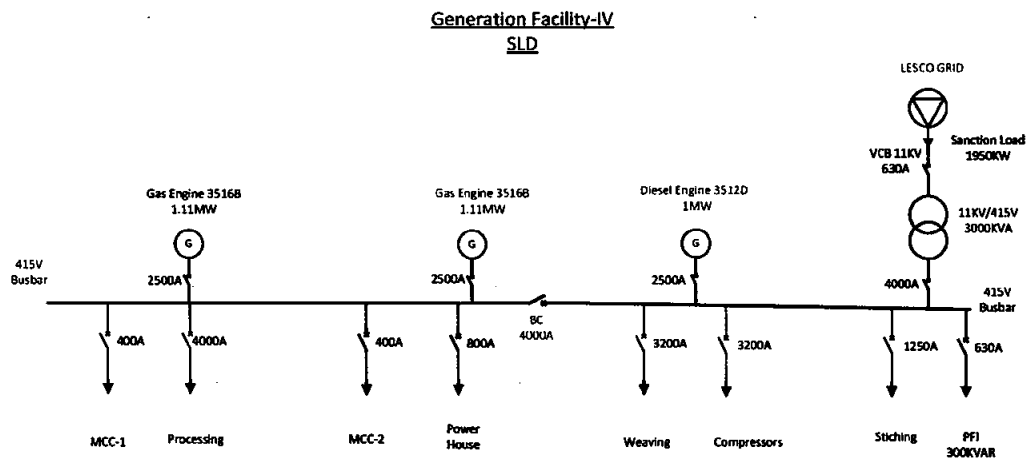
**Location of
the Generation Facility-IV of the
Licensee/NML**



Layout of
the Generation Facility-IV of the
Licensee/NML



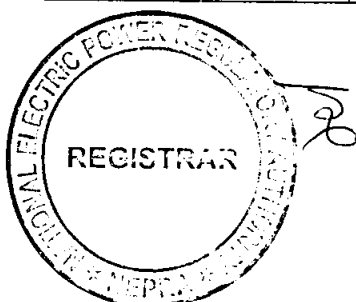
**Single line Diagram (Electrical) of
the Generation Facility-IV of the
Licensee/NML**



Detail
of Generation Facility-IV of the
Licensee/NML

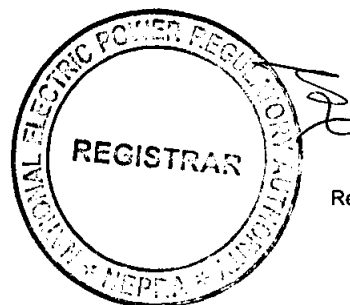
(A). Plant Configuration

(i).	Installed Capacity of the Generation Facility-IV (Gross ISO).	3.22 MW		
(ii).	Type of Technology.	Gas Engine and Diesel Engine		
(iii).	Units/Size /Make & Model.	Unit No.	Capacity (MW)	Make/Model
		Unit No.1 & 2	2 x 1.11 MW	Gas Engine (Caterpillar) 3516B USA
		Unit No. 3	1 x 1 MW	Diesel Engine (Caterpillar) 3512D USA
(iv).	Commercial Operation Date-COD (of each Unit) of the Generation Facility-IV/.	Unit No.1 & 2	2007	
		Unit No. 3	2001	
(v).	Expected Useful Life (years) of each Unit of the Generation Facility-IV from COD.	Unit No.1 & 2	25	
		Unit No. 3	25	
(vi)	Remaining Useful Life (years) of each Unit of the Generation Facility-IV at the time of grant	Unit No.1 & 2	24	
		Unit No. 3	18	



	Generation Licence dated September 02, 2008.		
(vii).	Remaining Useful Life of each Unit of the Generation Facility-IV at the time of issuance of Modification-I dated October 05, 2015	Unit No.1 & 2	17
		Unit No. 3	11
(viii).	Remaining Useful Life (years) of each Unit of the Generation Facility-IV at the time of issuance of this Modification dated March---- 2021	Unit No.1 & 2	22 ⁸
		Unit No. 3	22 ⁹

⁸ After Major Overhauling done in 2018
⁹ Revised on the basis of remaining running hours.



21

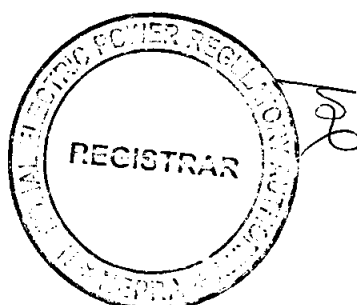
(B). Fuel Details

(i).	Primary Fuel.	NG and HSD		
(ii).	Alternative Fuel.	Diesel Oil (DO)		
(iii).	Fuel Source for each of the above (i.e. Imported/Indigenous).	Imported/Indigenous		
(iv).	Fuel Supplier for each of the above.	NG	DO	
		SNGPL	Local & imported	
(v).	Fuel Supply Arrangement	Through Pipelines	Tankers	
(vi).	No. of Storage Tanks.	NG	DO	
		-	02 Tanks	
(vii).	Storage Capacity of each Tank (in Tons).	NG	DO	
		-	T1	18 Tons
			T2	18 Tons
(viii).	Gross Storage (in Tons).	NG	DO	
		-	36 Tons	

(C). Emission Values

		DO	HSD	NG
(i).	SO _x	Nil	Nil	Nil
(ii).	NO _x		391.5 mg/Nm ³	358.33/404.3 mg/Nm ³
(iii).	CO		640.8 mg/Nm ³	146.65/251.5 mg/Nm ³
(iv).	PM ₁₀	-	-	-

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(D). Cooling System

(i).	Cooling Water Source/Cycle	Ground Water
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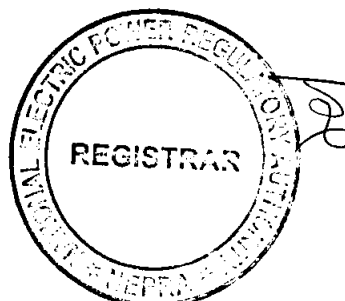
(E). Plant Characteristics

		GE	DE
(i).	Generation Voltage.	0.4 KV	0.4 KV
(ii).	Frequency.	50 Hz	50 Hz
(iii).	Power Factor.	0.8 Lagging	0.8 Lagging
(iv).	Automatic Generation Control (AGC).	Yes.	Yes.
(v).	Ramping Rate.	15 KW/Second	15 KW/Second
(vi).	Time required to Synchronize to Grid and loading the complex to full load.	Not Connected to Grid. 3 Minutes to Synchronize	Not Connected to Grid. 3 Minutes to Synchronize

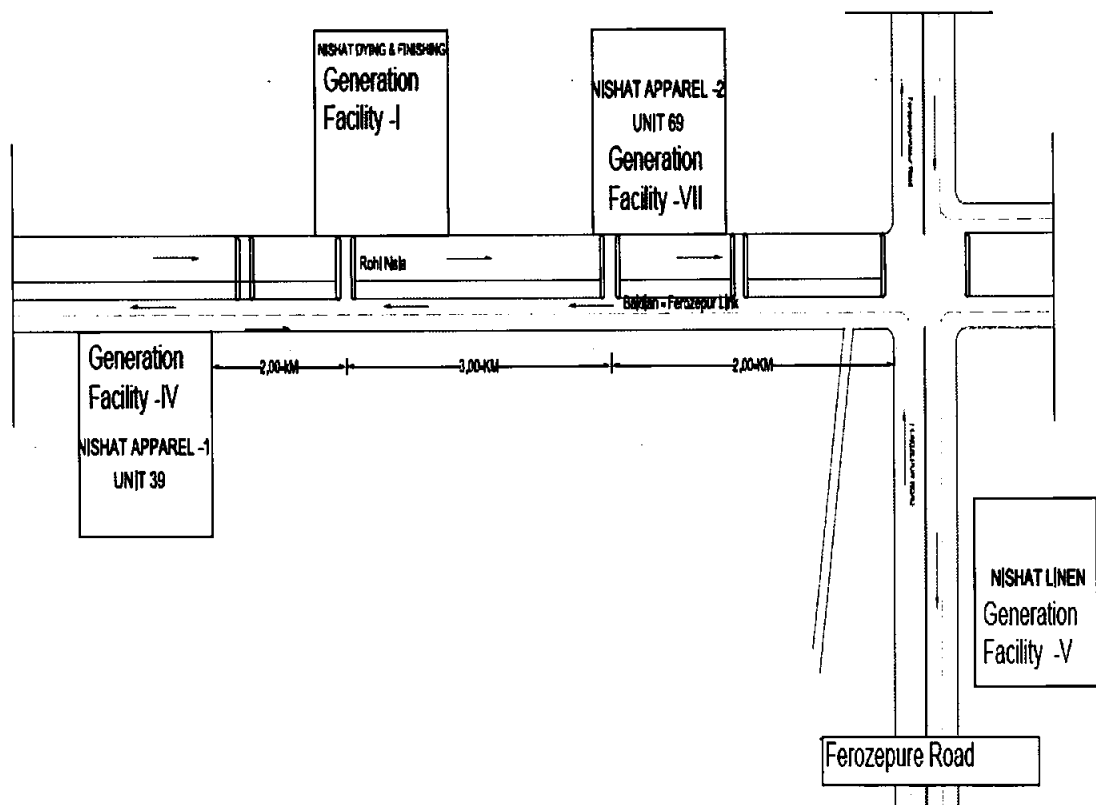
(F). Interconnection Arrangement

The electric power from the Generation Facility-IV is used for self-consumption only for Textile Manufacturing Facility IV.

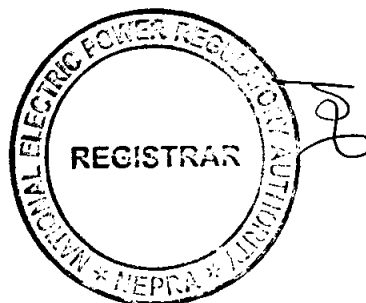
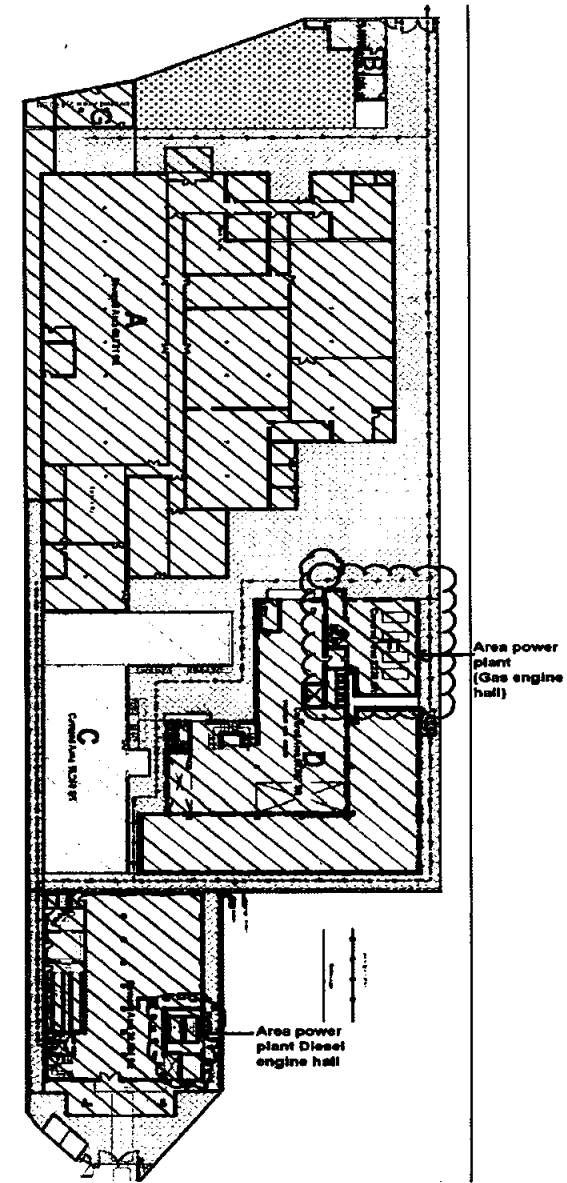
44



Location of
the Generation Facility-V of the
Licensee/NML

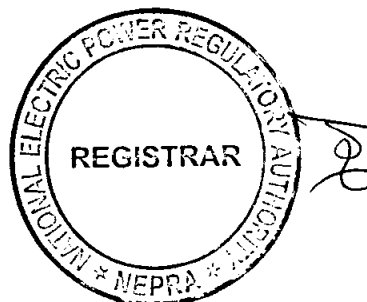
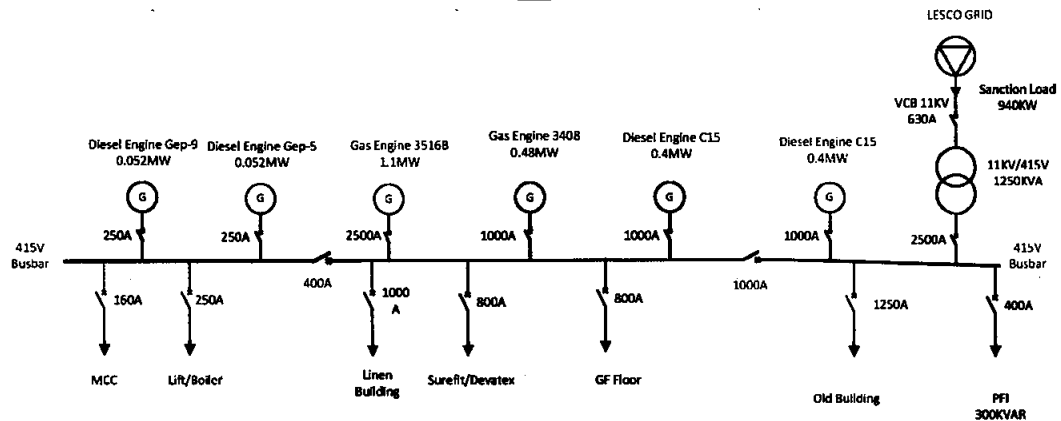


Layout of
the Generation Facility-V of the
Licensee/NML



Single line Diagram (Electrical)
of the Generation Facility-V
of the Licensee/NML

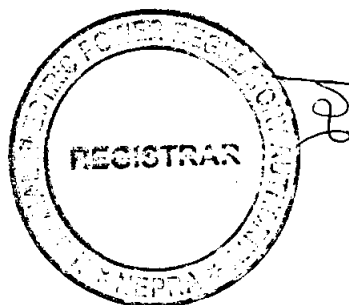
Generation Facility-V
SLD



Detail
of Generation Facility-V of the
Licensee/NML

(A). Plant Configuration

(i).	Installed Capacity of the Generation Facility-V (Gross ISO).	2.484 MW		
(ii).	Type of Technology.	Gas Engine and Diesel Engine		
(iii).	Units/Size /Make & Model.	Unit No.	Capacity (MW)	Make/Model
		Unit No.1	1 x 1.10 MW	Gas Engine (Caterpillar) G3516 B USA
		Unit No. 2	1 x 0.48 MW	Gas Engine (Caterpillar) G3508 USA
		Unit No. 3 & 4	2 x 0.40 MW	Diesel Engine (Caterpillar) C15 USA
		Unit No. 5	1 x .052 MW	Diesel Engine (Olympian) 65-5 Czech Republic
		Unit No. 6	1 x .052 MW	Diesel Engine (Olympian) 65-9 UK
(iv).	Commercial Operation Date-COD (of each Unit) of the Generation Facility-V.	Unit No.1	2005	
		Unit No. 2	2005	
		Unit No. 3 & 4	2010	
		Unit No. 5	2010	
		Unit No. 6	2013	
(v).	Expected Useful Life (years) of each Unit of the Generation	Unit No.1	25	
		Unit No. 2	25	
		Unit No. 3 & 4	25	
		Unit No. 5	25	



12

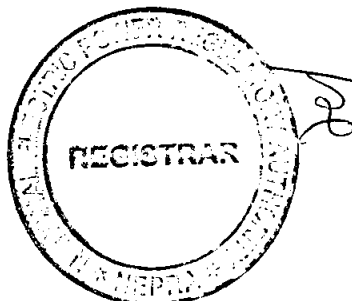
	Facility-V from COD.	Unit No. 6	25
(vi).	Remaining Useful Life (years) of each Unit of the Generation Facility-V at the time of grant of Generation Licence dated September 02, 2008.	Unit No.1	22
		Unit No. 2	22
		Unit No. 3 & 4	Not installed at that time.
		Unit No. 5	Not installed at that time.
		Unit No. 6	Not installed at that time.
(vii).	Remaining Useful Life of each Unit of the Generation Facility-V at the time of issuance of Modification-I dated October 05, 2015	Unit No.1	15
		Unit No. 2	15
		Unit No. 3 & 4	20
		Unit No. 5	20
		Unit No. 6	23
(viii).	Remaining Useful Life (years) of each Unit of the Generation Facility-V at the time of issuance of this Modification dated March---- 2021	Unit No.1	22 ¹⁰
		Unit No. 2	21 ¹¹
		Unit No. 3 & 4	22 ¹²
		Unit No. 5	22 ¹³
		Unit No. 6	17

¹⁰ After Major Overhauling in 2018

¹¹ After Major Overhauling in 2017

¹² Revised on the basis of remaining running hours.

¹³ Revised on the basis of remaining running hours.

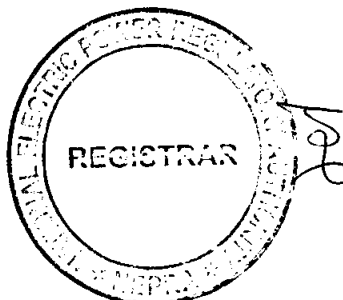


(B). Fuel Details

(i).	Primary Fuel.	NG	
(ii).	Alternative Fuel.	DO	
(iii).	Fuel Source for each of the above (i.e. Imported/ Indigenous).	Imported/Indigenous	
(iv).	Fuel Supplier for each of the above	NG	DO
		SNGPL	Imported & Local
(v).	Fuel Supply Arrangement.	Through Pipelines	Tankers
(vi).	No. of Storage Tanks.	-	02 Tanks
(vii).	Storage Capacity of each Tank.	-	T1 11000 Liters
			T2 3000 Liters
(viii).	Gross Storage.	NG	DO
		-	14000 Liters

(C). Emission Values

		DO	NG
(i).	SO _x	112 mg/Nm ³	112 mg/Nm ³
(ii).	NO _x	112 mg/Nm ³	112 mg/Nm ³
(iii).	CO	636 mg/Nm ³	636 mg/Nm ³
(iv).	PM ₁₀	-	-



(D). Cooling System

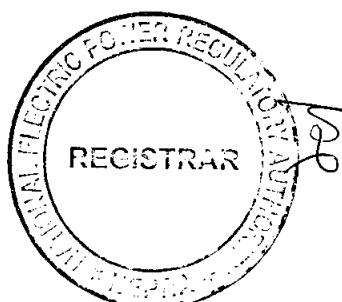
(i).	Cooling Water Source/Cycle.	Ground Water
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(E). Plant Characteristics

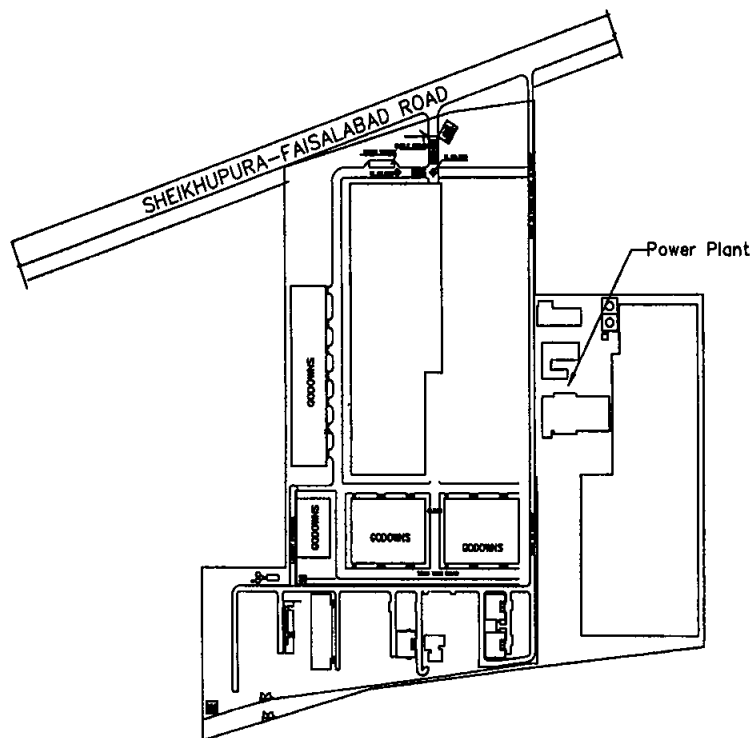
		GE	DE
(i).	Generation Voltage	0.4 KV	0.4 KV
(ii).	Frequency	50 Hz	50 Hz
(iii).	Power Factor	0.8 Lagging	0.8 Lagging
(iv).	Automatic Generation Control (AGC)	Yes	Yes
(v).	Ramping Rate	15 KW/Second	15 KW/Second
(vi).	Time required to Synchronize to Grid and loading the complex to full load.	Not connected to grid. 3 Minutes to Synchronize	Not connected to grid. 2 Minutes to Synchronize

(F). Interconnection Arrangement

The electric power from the Generation Facility-V is used for self-consumption only for Textile Manufacturing Facility V.



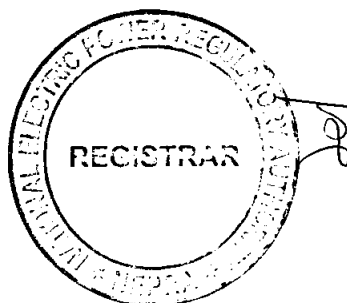
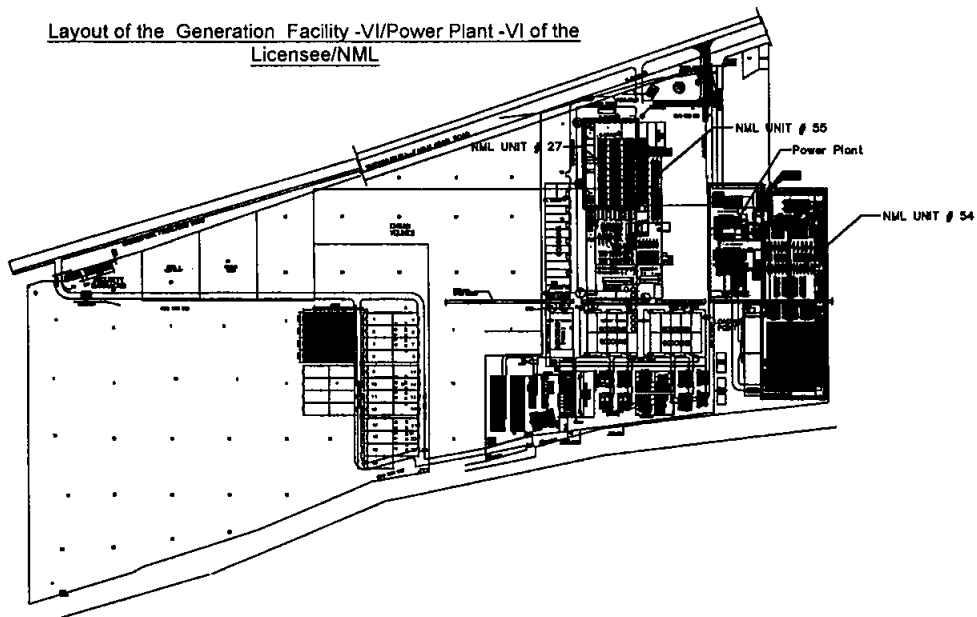
Location of
the Generation Facility-VI of the
Licensee/NML



21

Layout of
the Generation Facility-VI of the
Licensee/NML

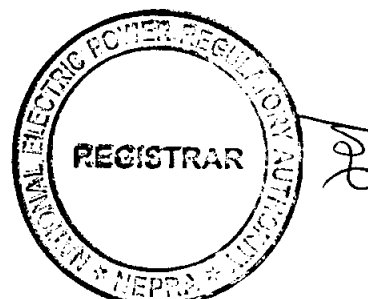
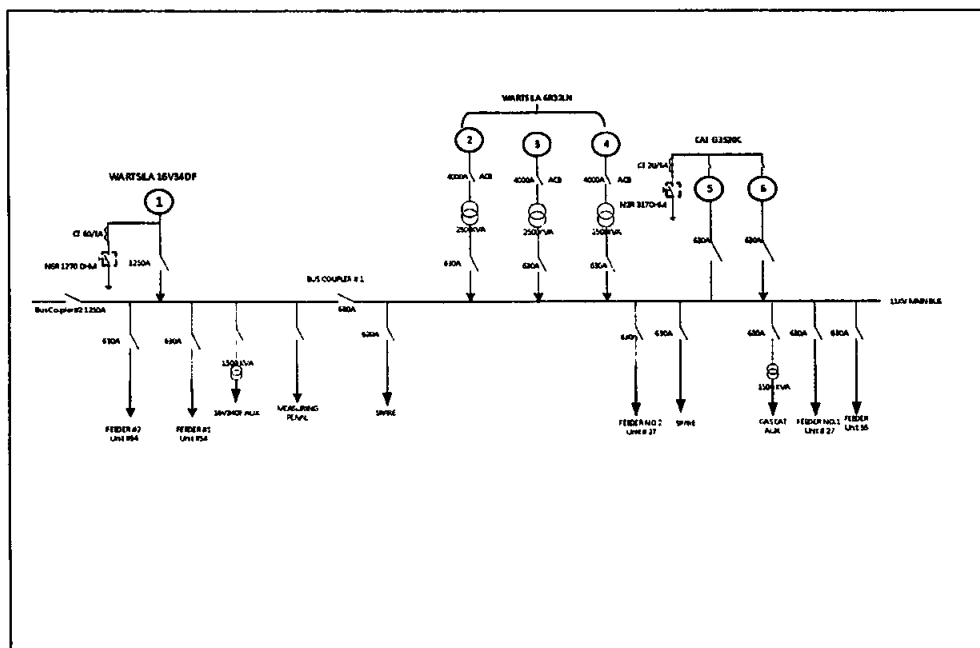
Layout of the Generation Facility -VI/Power Plant -VI of the
Licensee/NML



20

Single line Diagram (Electrical) of the Generation Facility-VI of the Licensee/NML

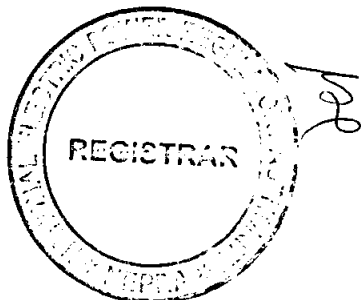
Nishat Mills Ltd
Generation Facility -VI/Power Plant-VI



Detail
of Generation Facility-VI of the
Licensee/NML

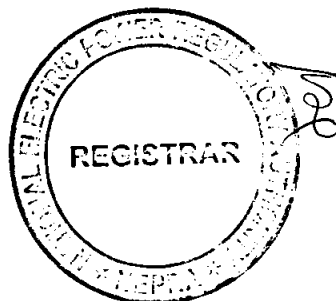
(A). Plant Configuration

(i).	Installed Capacity of the Generation Facility-VI (Gross ISO).	17.30 MW		
(ii).	Type of Technology.	Gas Engine, Diesel Engine		
(iii).	Units/Size /Make & Model.	Unit No.	Capacity (MW)	Make/Model
		Unit No.1	1 x 6.80 MW	Diesel Engine (Wartsila) 16V34DF Finland
		Unit No. 2, 3 & 4	3 x 2.20 MW	Gas Engine (Wartsila) 6R34LN
		Unit No. 5 & 6	2 x 1.95 MW	Gas Engine (Caterpillar) G3520-C
(iv).	Commercial Operation Date-COD (of each Unit) of the Generation Facility-VI.	Unit No.1	2014	
		Unit No. 2, 3 & 4	2011	
		Unit No. 5 & 6	2010	
(v).	Expected Useful Life of each Unit of the Generation Facility-VI from COD.	Unit No.1	25	
		Unit No. 2, 3 & 4	25	
		Unit No. 5 & 6	25	
(vi).	Remaining Useful Life (years) of each Unit of the Generation Facility-VI at	Unit No.1	Not installed at that time.	
		Unit No. 2, 3 & 4	Not installed at that time.	
		Unit No. 5 & 6	Not installed at that time.	



	the time of grant of Generation Licence dated September 02, 2008.		
(v).	Remaining Useful Life of each Unit of the Generation Facility-VI at the time of issuance of Modification-I dated October 05, 2015	Unit No.1	24
		Unit No. 2, 3 & 4	21
		Unit No. 5 & 6	20
(vi).	Remaining Useful Life (years) of each Unit of the Generation Facility-VI at the time of issuance of this Modification dated March---- 2021	Unit No.1	18
		Unit No. 2, 3 & 4	15
		Unit No. 5 & 6	19 ¹⁴

¹⁴ Revised on the basis of remaining running hours.



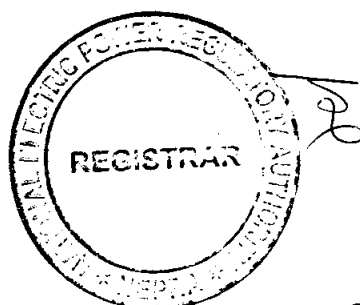
NO.

(B). Fuel Details

(i).	Primary Fuel	HFO and NG				
(ii).	Alternative Fuel.	DO				
(iii).	Fuel Source for each of the above (i.e. Imported/Indigenous).	Imported/Indigenous				
(iv).	Fuel Supplier for each of the above.	NG	HFO		DO	
		SNGPL	Imported & Local		Imported & Local	
(v).	Fuel Supply Arrangement	Through Pipelines	Tankers		Tankers	
(vi).	No. of Storage Tanks.	-	06 Tanks		02 Tanks	
(vii).	Storage Capacity of each Tank.	NG	HFO		DO	
		-	T1	150 Tons	T1	45 Tons
			T2	150 Tons		
			T3	30 Tons	T2	16 Tons
			T4	30 Tons		
			T5	16 Tons		
			T6	16 Tons		
(viii).	Gross Storage.	-	392 Tons		61 Tons	

(C). Emission Values

		HFO	DO	NG
(i).	SO _x	≤1361.4 mg/nm ³	-	-
(ii).	NO _x	≤ 592.4 mg/nm ³	348.4 mg/nm ³	≤ 362.4 mg/nm ³
(iii).	CO	≤ 241.3 mg/nm ³	196.3 mg/nm ³	≤ 780 mg/nm ³
(iv).	PM ₁₀	≤ 256.4 mg/nm ³	-	-



(D). Cooling System

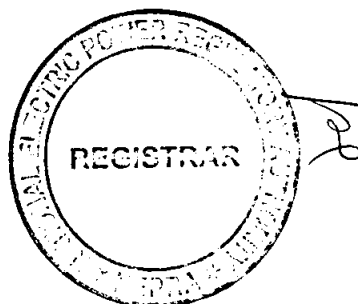
(i).	Cooling Source/Cycle.	Water	Ground Water.
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(E). Plant Characteristics

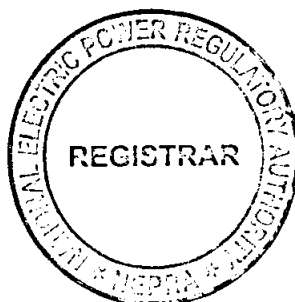
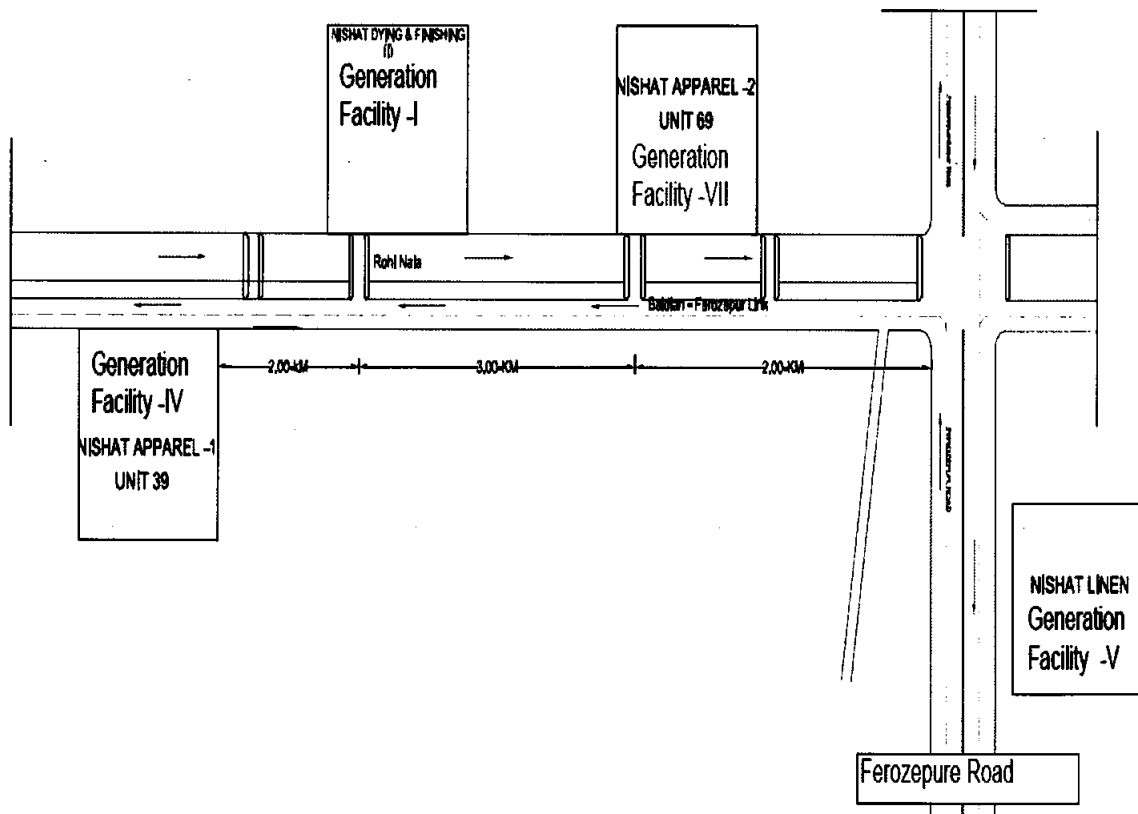
		GE	DE
(i).	Generation Voltage.	11KV	0.4 KV & 11KV
(ii).	Frequency.	50Hz	50Hz
(iii).	Power Factor.	0.8 Lagging	0.8 Lagging
(iv).	Automatic Generation Control (AGC).	Yes	Yes
(v).	Ramping Rate.	16 KW/Second	15-20 KW/Second
(vi).	Time required to Synchronize to Grid and loading the complex to full load.	20~30 second to synchronize	7.6 Minutes to full load

(F). Interconnection Arrangement

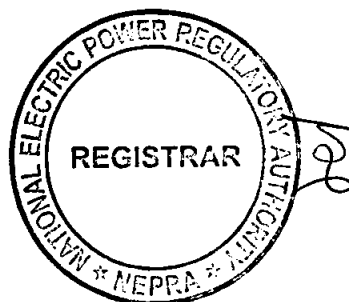
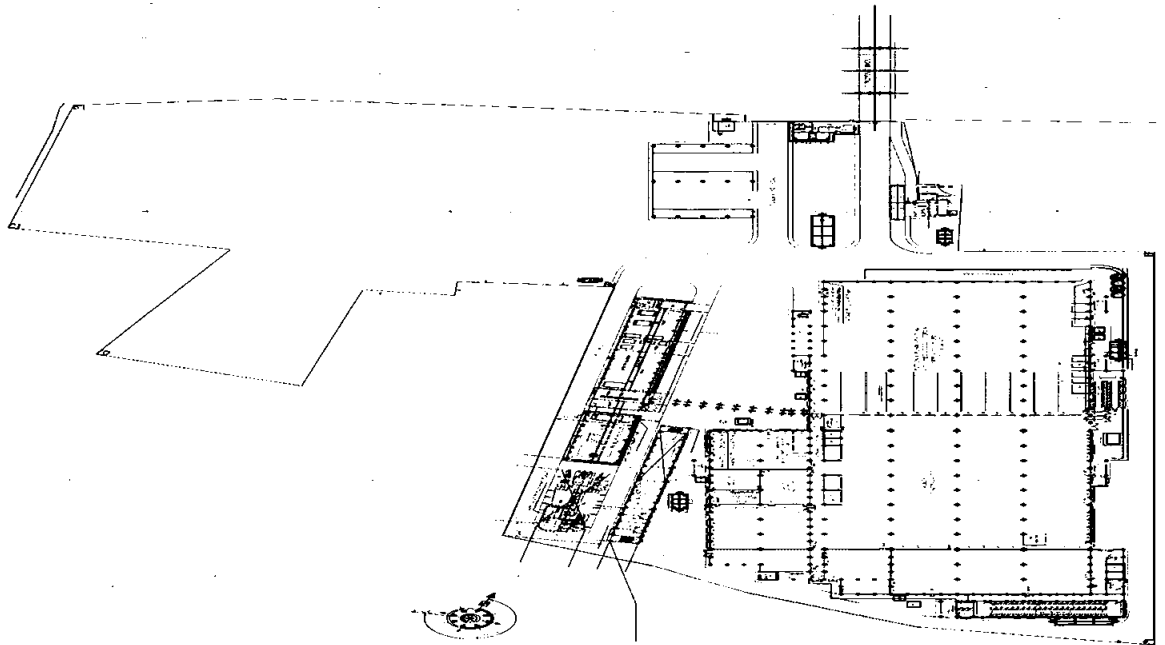
The electric power from the Generation Facility-VI is used for self-consumption only for Textile Manufacturing Plant VI.



**Location of
the Generation Facility-VII of the
Licensee/NML**

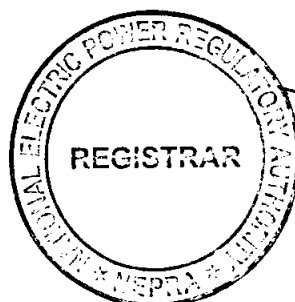
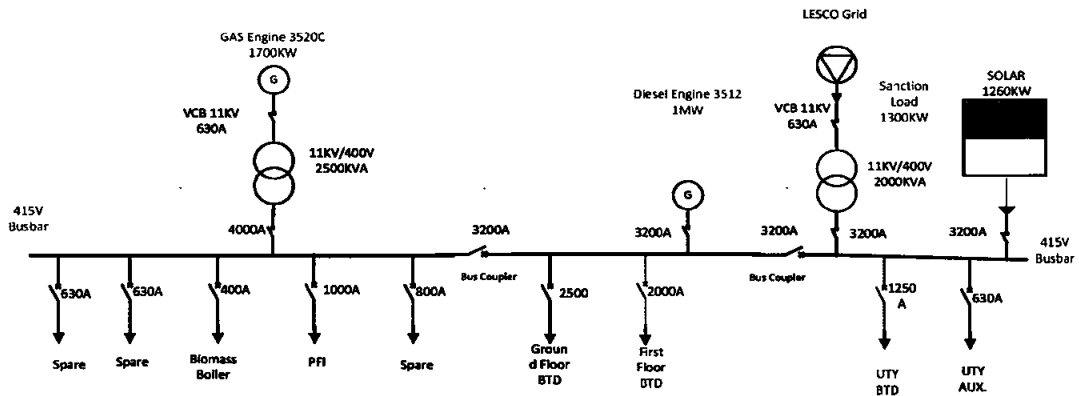


Layout of
the Generation Facility-VII of the
Licensee/NML



Single line Diagram (Electrical) of
the Generation Facility-VII of the
Licensee/NML

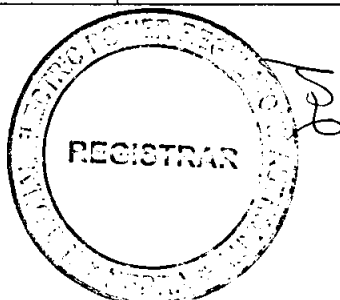
Generation Facility-VII
SLD



Detail
of Generation Facility-VII/of the
Licensee/NML

(A). Plant Configuration

(i).	Installed Capacity of the Generation Facility-VII (Gross ISO).	3.96 MW		
(ii).	Type of Technology.	Gas Engine, Diesel Engine and PV-Solar		
(iii).	Units/Size /Make & Model.	Unit No.	Capacity (MW)	Make/Model
		Unit No.1	1 x 1.26 MW	PV Solar GGPS-SMA60
		Unit No. 2	1 x 1.7 MW	Gas Engine (Caterpillar) G3520-C
		Unit No. 3	1 x 1.0 MW	Diesel Engine (Caterpillar) G3512-D
(iv).	Commercial Operation Date-COD (of each Unit) of the Generation Facility-VII.	Unit No.1	2016	
		Unit No. 2	2008	
		Unit No. 3	1993	
(v).	Expected Useful Life of each Unit of the Generation Facility-VII from COD.	Unit No.1	25	
		Unit No. 2	25	
		Unit No. 3	25	
(vi).	Remaining Useful Life (years) of each Unit of the Generation Facility-VII at the time of grant of	Unit No.1	Not installed at that time.	
		Unit No. 2	25	
		Unit No. 3	10	



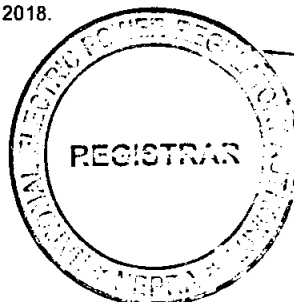
21

	Generation Licence dated September 02, 2008.		
(vii)	Remaining Useful Life of each Unit of the Generation Facility VII at the time of issuance of Modification-I dated October 05, 2015	Unit No.1	Not Installed at that time
		Unit No. 2	18
		Unit No. 3	21 ¹⁵
(viii).	Remaining Useful Life (years) of each Unit of the Generation Facility-VII at the time of issuance of this Modification dated March---- 2021	Unit No.1	20
		Unit No. 2	23 ¹⁶
		Unit No. 3	15 ¹⁷

¹⁵ Revised on the basis of remaining running hours.

¹⁶ After Major in 2019.

¹⁷ After Major overhauling in 2018.

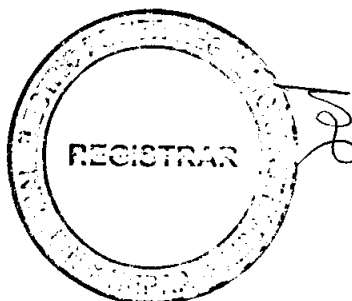


(B). Fuel Details

(i).	Primary Fuel	RLNG and HSD	
(ii).	Alternative Fuel.	Diesel Oil (DO)	
(iii).	Fuel Source for each of the above (i.e. Imported/Indigenous).	Imported/Indigenous	
(iv).	Fuel Supplier for each of the above.	NG	DO
		SNGPL	Local & imported
(v).	Fuel Supply Arrangement	Through Pipelines	Tankers
(vi).	No. of Storage Tanks.	NG	DO(HSD)
			01 Tank
(vii).	Storage Capacity of each Tank (in Tons)	NG	DO(HSD)
			T1 70.64
(viii).	Gross Storage. (in Tons)	NG	DO
			70.64

(C). Emission Values

		Solar	DE	NG
(i).	SO _x	0	-	Nil
(ii).	NO _x	0	551.5 mg/Nm ³	248 mg/Nm ³
(iii).	CO	0	560 mg/Nm ³	171 mg/Nm ³
(iv).	PM ₁₀	0	-	-



(D). Cooling System

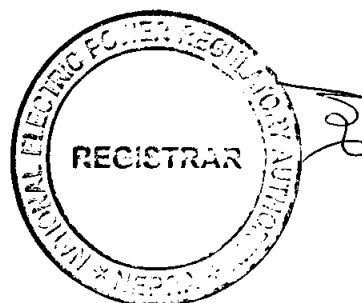
(i).	Cooling Water Source/Cycle.	Ground Water.
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(E). Plant Characteristics

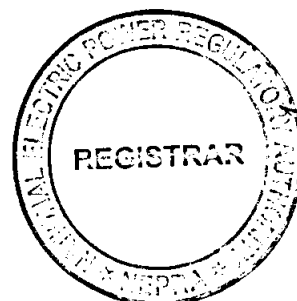
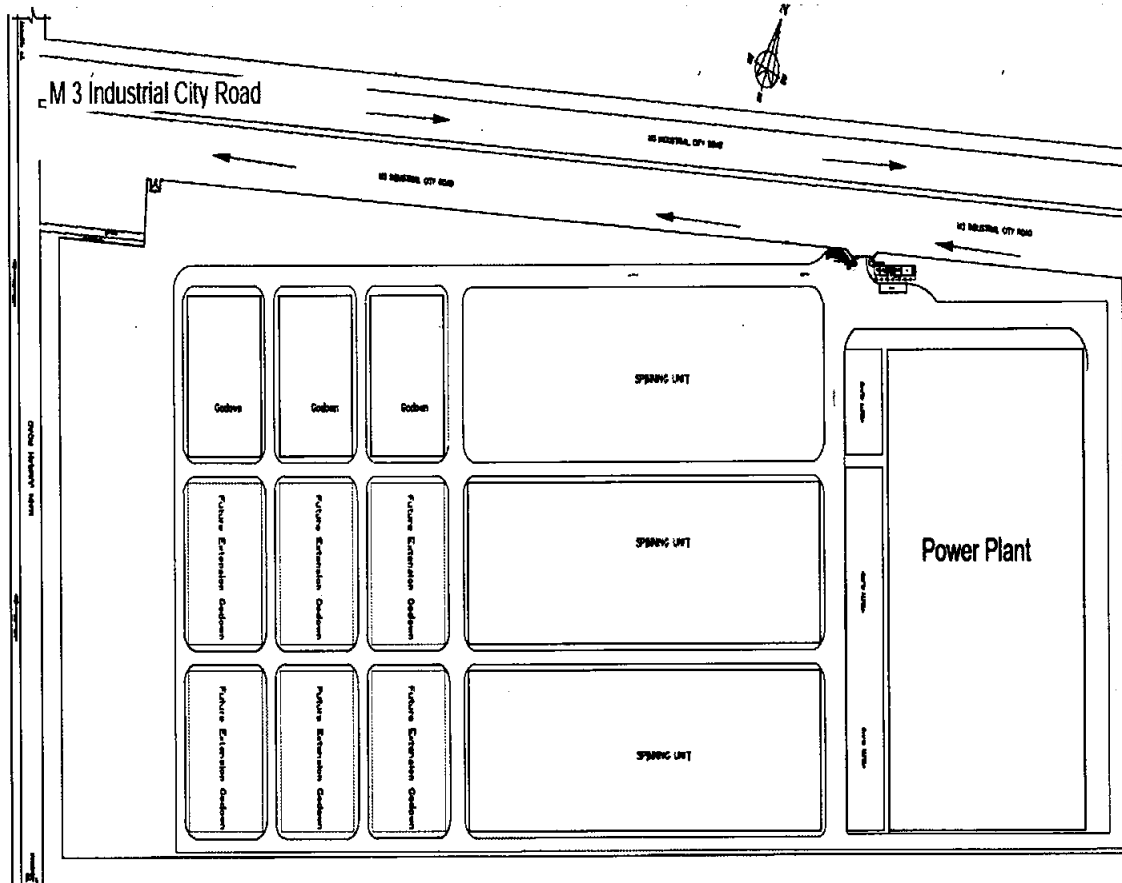
		Solar	GE	DE
(i).	Generation Voltage.	0.4KV	0.4KV	0.4 KV
(ii).	Frequency.	50Hz	50Hz	50Hz
(iii).	Power Factor.	1.0	0.8 Lagging	0.8 Lagging
(iv).	Automatic Generation Control (AGC).	Yes	Yes	Yes

(F). Interconnection Arrangement

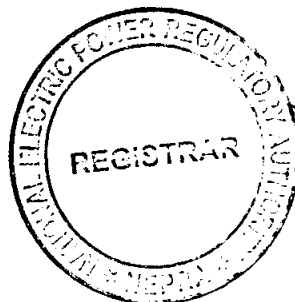
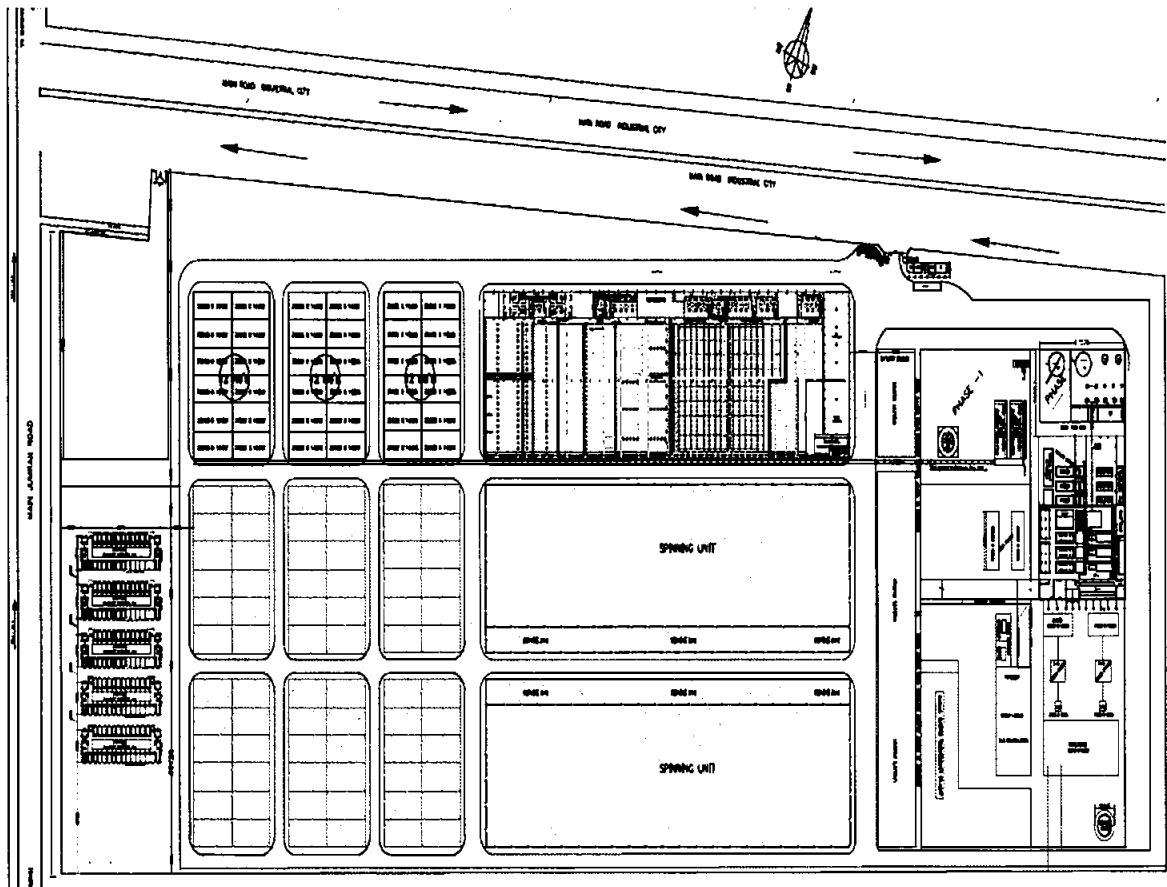
The electric power from the Generation Facility-VII is used for self consumption only for Textile Manufacturing Plant VII.



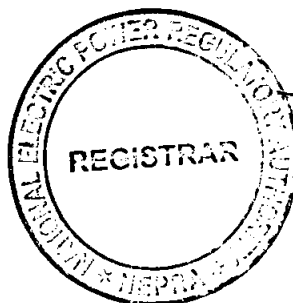
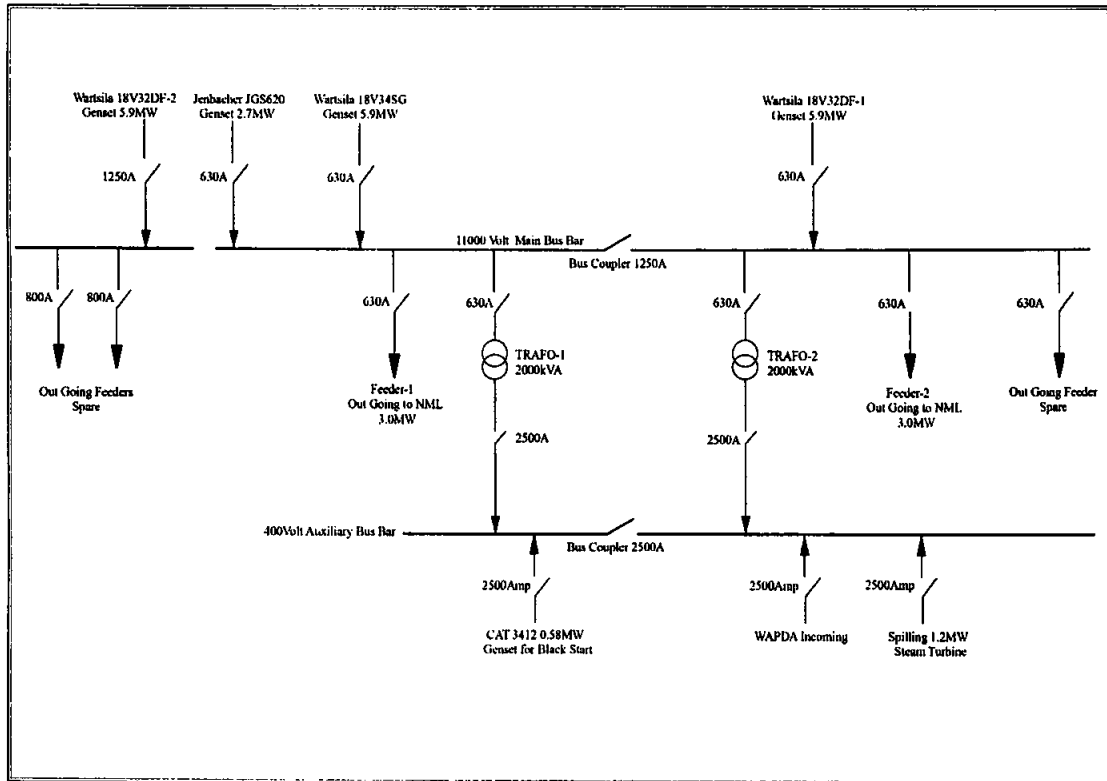
**Location of
the Generation Facility-VIII of the
Licensee/NML**



Layout of
the Generation Facility-VIII of the
Licensee/NML



**Single line Diagram (Electrical) of
the Generation Facility-VIII of the
Licensee/NML**

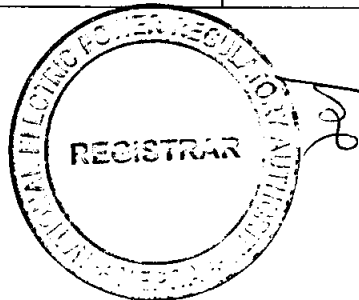


121

Detail
of Generation Facility-VIII of the
Licensee/NML

(A). Plant Configuration

(i).	Installed Capacity of the Generation Facility-VIII (Gross ISO).	21.60 MW		
(ii).	Type of Technology.	Gas Engine, Diesel Engine & Steam Turbine		
(iii).	Units/Size /Make & Model.	Unit No.	Capacity (MW)	Make/Model
		Unit No.1 & 2	2 x 5.9 MW	Diesel Engine (Wartsila) 18V32DF Finland
		Unit No. 3	1 x 5.9MW	Gas Engine (Wartsila) 18V34SG Finland
		Unit No. 4	1 x 2.7MW	Gas Engine (Jenbacher) JGS620GS-N.L Austria
		Unit No. 5	1x1.2 MW	Steam Turbine STM-C2 Germany
(iv).	Commercial Operation Date- COD (of each Unit) of the Generation Facility-VIII.	Unit No.1 & 2	Unit No.1	2008
			Unit No.2	2011
		Unit No. 3	2005	
		Unit No. 4	2005	
		Unit No. 5	2011	
(v).	Expected Useful Life of each Unit of the Generation Facility-VIII from	Unit No.1& 2	25	
		Unit No. 3	25	
		Unit No. 4	25	



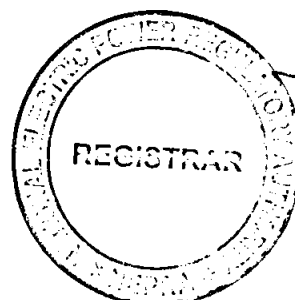
20/

	COD.	Unit No. 5	30	
(vi).	Remaining Useful Life (years) of each Unit of the Generation Facility-VIII at the time of grant of Generation Licence dated September 02, 2008.	Unit No.1 & 2	Unit No.1	25
			Unit No.2	Not installed
		Unit No. 3	22	
		Unit No. 4	22	
		Unit No. 5	Not installed	
(vii).	Remaining Useful Life of each Unit of the Generation Facility-VIII at the time of issuance of Modification-I dated October 05, 2015	Unit No.1 & 2	Unit No.1	18
			Unit No.2	21
		Unit No. 3	15	
		Unit No. 4	15	
		Unit No. 5	26	
(viii).	Remaining Useful Life (years) of each Unit of the Generation Facility-VIII at the time of issuance of this Modification dated March----- 2021.	Unit No.1 & 2	Unit No.1	17 ¹⁸
			Unit No.2	15
		Unit No. 3	17 ¹⁹	
		Unit No. 4	16 ²⁰	
		Unit No. 5	20	

¹⁸ Revised on the basis of remaining running hours.

¹⁹ Revised on the basis of remaining running hours.

²⁰ Revised on the basis of remaining running hours.



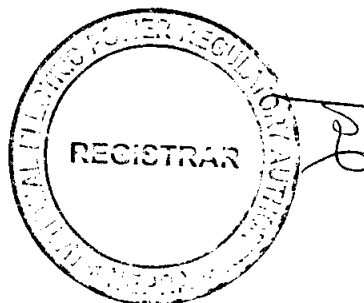
12/

(B). Fuel Details

(i).	Primary Fuel	Natural Gas & HFO			
(ii).	Alternative Fuel.	Diesel Oil (DO)			
(iii).	Fuel Source for each of the above (i.e. Imported/Indigenous).	Imported/Indigenous			
(iv).	Fuel Supplier for each of the above.	NG	HFO		DO
		SNGPL	Local & imported		Local & imported
(v).	Fuel Supply Arrangement	Through Pipelines	Tankers		Tankers
(vi).	No. of Storage Tanks.	NG	HFO		DO
			01 Tank		02 Tanks
(vii).	Storage Capacity of each Tank (in Tons)	NG	HFO		DO
		-	T1	1800 Tons	T1 100 m ³
					T2 100 m ³
(viii).	Gross Storage. (in Tons)	NG	HFO		DO
		-	1800 Tons		200 m ³

(C). Emission Values

		HFO	NG
(i).	SO _x	952.4 mg/nm ³	Nil
(ii).	NO _x	596 mg/nm ³	138 mg/m ³
(iii).	CO	136 mg/nm ³	765 mg/m ³
(iv).	PM ₁₀	251.8 mg/nm ³	-



(D). Cooling System

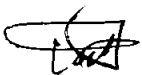
(i).	Cooling Water Source/Cycle.	Ground Water.
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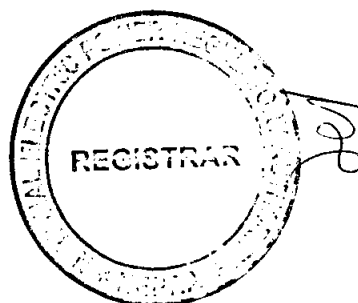
(E). Plant Characteristics

		GE	DE	ST
(i).	Generation Voltage.	11KV	11KV	0.4KV
(ii).	Frequency.	50Hz	50Hz	50Hz
(iii).	Power Factor.	0.8 Lagging	0.8 Lagging	0.8 Lagging
(iv).	Automatic Generation Control (AGC).	Yes	Yes	Yes
(v).	Ramping Rate.	8-15 KW/Sec	14 KW/Sec	25 KW/Sec
(vi).	Time required to Synchronize to Grid and loading the complex to full load.	Not connected to grid. 05 Minutes to Synchronize	Not connected to grid.	Not connected to grid. 03 Minutes to Synchronize

(F). Interconnection Arrangement

The electric power from the Generation Facility-VIII is mostly used for self-consumption. Further, 5.0 MW (the maximum load), surplus electric power will be dispersed to the industrial concerns of the Licensee/NML (i.e.) Hyundai Nishat Motors Pvt. Ltd (HNMPPL) (An associated separate legal entity as BPC). The detail of the same is provided in the subsequent section to follow.

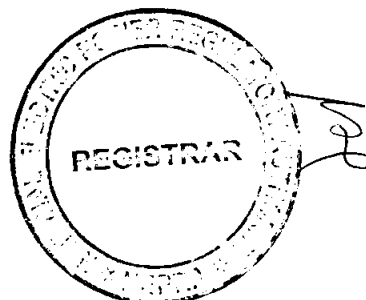






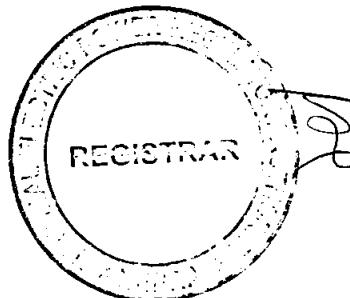
Information pertaining to the BPC (i.e. HNMPL) of the Licensee/NML

(i).	Location of BPC (i.e. HNMPL) (distance and/or identity of premises).	FIEDMC, Sahianwala, Faisalabad. (Inside the premises of the Licensee/NML as its associate undertaking).
(ii).	Contracted Capacity and Load Factor of BPC (i.e. HNMPL).	5.0 MW (the Maximum Load)
(iii).	Specify Whether	
	(a).	BPC (i.e. HNMPL) is an associate undertaking of the Licensee/NML-If yes, specify percentage ownership of equity; 12.00%.
	(b).	There are common directorships; No.
	(c).	Either can exercise influence or control over the other. No.
(iv).	Specify Nature of Contractual Relationship.	
	(a).	Between BPC (i.e. HNMPL) and the Licensee/NML. Firm Supply of Electricity on Continuous basis.
	(b).	BPC (i.e. HNMPL) and host DISCO. Active, B3 Connection with 3.00 MW sanction load, separate Feeder panel
(v).	Any other Network Information deemed relevant to disclosure to or consideration by the Authority.	N/A

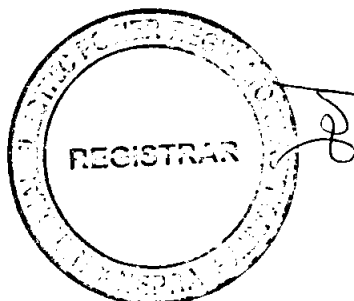
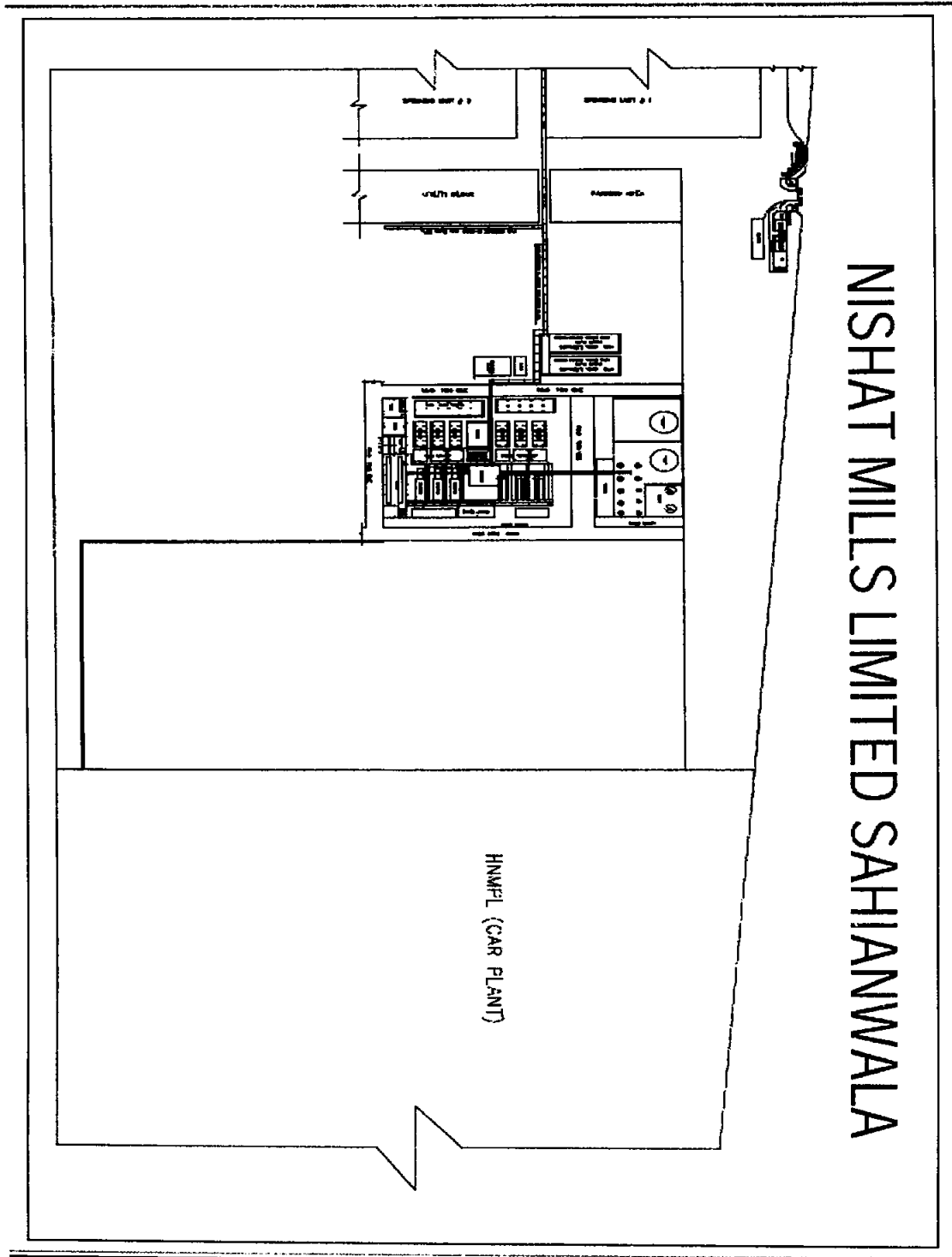


**Information Regarding Distribution Network for Supply of Power to
HNMPL of the Licensee/NML**

(i).	No. of Feeder(s)	Two (02)
(ii).	Length of Feeder	630 Meter
(iii).	In respect of the Feeder, describe the property (streets, farms, Agriculture land etc.) through which under or over it passes right up to the premises of customer, whether it crosses over or passes near the DISCO(s) lines.	The 11 KV underground cable supplying power to NNMPL (which is a tenant of the Licensee) is located on private property of NML, without crossing any FESCO(s) lines.
(iv).	Whether owned by the Licensee/NML, BPC (i.e. HNMPL) or DISCO.	
	(a).	If owned by DISCO, please furnish particulars of contractual arrangement.
	(b).	Operation and Maintenance responsibility for Feeder.
(v).	Whether connection with network of DISCO exists (whether active or not), if yes, provide details of connection arrangements (both technical and contractual).	Operation and Maintenance is responsibility of the Licensee/NML.
(vi).	Any other network information deemed relevant for disclosure to or consideration by NEPRA.	Active, B3 Connection with 3MW sanction load, separate Feeder panel.
		N/A

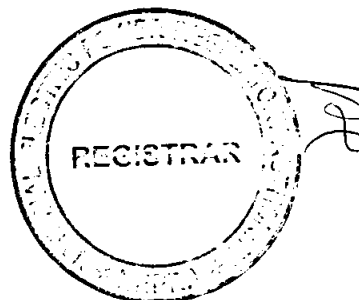


BPC (HNMPL) of the
Licensee/NML



SCHEDULE-II
Revised/Modified
Modification-II

The Installed Capacity/ISO Capacity (MW), De-Rated Capacity at Mean Site Conditions (MW), Auxiliary Consumption (MW) and the Net Capacity at Mean Site Conditions (MW) of Generation Facilities of Licensee is given in this Schedule.



SCHEDULE-II

Sr. No.	Description	Installed Capacity (Gross ISO) (MW)	De-rated Capacity at Mean Site Conditions (MW)	Auxiliary Consumption (MW)	Net Capacity at Mean Site Condition (MW)
(1).	Generation Facility-I/Power Plant-I	34.670	29.14	2.50	26.64
(2).	Generation Facility-II/Power Plant-II	20.364	17.16	0.670	16.49
(3).	Generation Facility-III/Power Plant-III	30.060	22.99	0.896	22.09
(4).	Generation Facility-IV/Power Plant-IV	3.220	2.70	0.034	2.67
(5).	Generation Facility-V/Power Plant-V	2.484	1.99	0.070	1.92
(6).	Generation Facility-VI/Power Plant-VI	17.300	14.36	0.670	13.69
(7).	Generation Facility-VII/Power Plant-VII	3.960	3.32	0.640	2.68
(8).	Generation Facility-VIII/Power Plant-VIII	21.600	16.72	0.652	16.06
Grand Total		133.658	108.38	6.132	102.24

Note

All the above figures are indicative as provided by the Licensee. The Net Capacity available to Power Purchaser or Bulk Power Consumer for dispatch will be determined through procedure (s) contained in the Energy Purchased Agreement, any bi-lateral Agreement(s) or any other Applicable Document(s).



Amended/Revised Authorization by
National Electric Power Regulatory Authority to
Nishat Mills Limited (NML)

Incorporated under the Companies Act 1913 under Certificate of
Incorporation No.KAR-765 OF 1959-1960, dated November 16, 1959

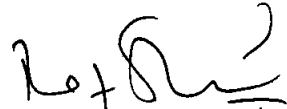
NEPRA GENERATION LICENCE No. SGC/40/2008 for
Sale to Bulk Power Consumer

Pursuant to Section-22 of the NEPRA Act and Rules-7 of the NEPRA Licensing (Generation) Rules, 2000, the Authority hereby authorizes NML/Licensee to engage in Second-Tier Supply business, limited to the following consumers also mentioned in Schedule-I of the Generation Licence No. **SGC/40/2008** dated September 02, 2008 Modified on October 05, 2015. Earlier authorization granted is hereby cancelled and replaced with the following consumers;


1. Masood Textile Mills Limited (MTML), Faisalabad.
2. Hyundai Nishat Motors (Private) Limited (HNMPL) Faisalabad.

Authority

Rafique Ahmed Shaikh
(Member)


21/3/21

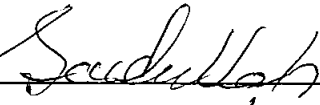
Rehmatullah Baloch
(Member)


22/3/21

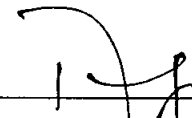
Engr. Bahadur Shah
(Member)

- Retired -

Saif Ullah Chattha
(Member/VC)


4.3.2021

Tauseef H. Farooqi
(Chairman)


10/3/21

