



National Electric Power Regulatory Authority

Islamic Republic of Pakistan

Registrar

NEPRA Tower, Attaturk Avenue (East), G-5/1, Islamabad
Ph: +92-51-9206500, Fax: +92-51-2600026
Web: www.nepa.org.pk, E-mail: registrar@nepa.org.pk

No. NEPRA/R/LAG-31/13939-45

September 21, 2015

Mr. Muhammad Shakeel
Director
Bhanero Energy Limited,
City Towers, 9th Floor, 6-K,
Main Boulevard, Gulberg-II,
Lahore.

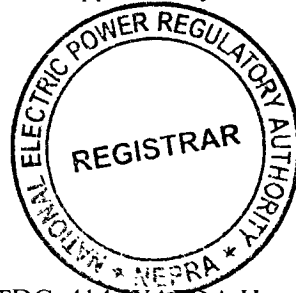
Subject: **Modification-II in Generation Licence No: SGC/013/2002
Licence Application No. LAG-31
Bhanero Energy Limited (BEL)**

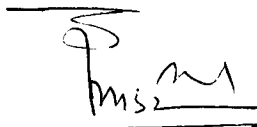
Reference: *Your application vide letter No. BEL/045B/2014, dated November 14, 2014 (received on December 04, 2014).*

It is intimated that the Authority has approved "Licensee Proposed Modification" in Generation Licence No. SGC/013/2002 (issued on January 31, 2002 and subsequent Modification-I dated May 30, 2008) in respect of Bhanero Energy Limited (BEL), pursuant to 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 BEL along with Modification-II in the Generation Licence No. SGC/013/2002, as approved by the Authority.

Encl:/As above




21 09 15
(Syed Safer Hussain)

Copy to:

1. Chief Executive Officer, NTDC, 414-WAPDA House, Lahore
2. Chief Executive Officer, CPPA-G, 6th Floor, Shaheed-e-Millat Sectariat, Jinnah Avenue, Blue Area, Islamabad.
3. Chief Executive Officer, Hyderabad Electric Supply Company Limited (HESCO), WAPDA Offices Complex, Hussainabad, Hyderabad.
4. Chief Executive Officer, Lahore Electric Supply Company (LESCO), 22-A, Queens Road, Lahore.
5. Director General, Environment Protection Department, Government of Punjab, National Hockey Stadium, Ferozpur Road, Lahore.
6. Director General, Environment Protection Agency, Government of Sindh, Complex Plot No. ST-2/1, Korangi Industrial Area, Karachi.

National Electric Power Regulatory Authority
(NEPRA)

Determination of Authority
in the Matter of Licensee Proposed Modification of
Bhanero Energy Limited

September 11, 2015
Case No. LAG-31

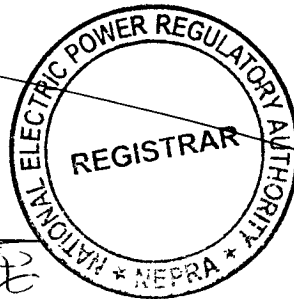
(A). Background

(i). The Authority granted Generation Licence (No. SGC/013/2002 dated January 31, 2002 and Modification-I dated May 30, 2008) to Bhanero Energy Limited (BEL) in terms of Section-15 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 ("the NEPRA Act").

(ii). Further, the Authority also allowed BEL a Second Tier Supply Authorization (STSA) for supplying electric power to four (04) designated Bulk Power Consumers (BPCs) in terms of Section-22 of the NEPRA Act and Rule-7 of the NEPRA Licensing (Generation) Rules, 2000 ("the Rules").

(B). Submission of Modification

(i). In accordance with Regulation-10(2) of the National Electric Power Regulatory Authority Licensing (Application & Modification Procedure) Regulations, 1999 (the Regulations), BEL communicated a Licensee Proposed Modification (LPM) in its above mentioned Generation Licence on December 04, 2014.



(ii). In the "Text of the Proposed Modification", BEL submitted that it intended adding 00.83 MW to its existing capacity at Plant-I at Kotri. Whereas, another 19.00 MW would be added at Plant-II at Ferozewatwan. Further, BEL informed that it was planning supplying power to two (02) new consumers in the name of Umer Forms (Private) Limited (UFPL) and Blessed Textile Limited Unit No.3 (BTL-3) from Plant-II.

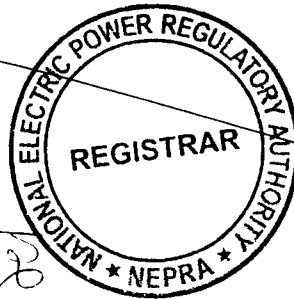
(iii). Regarding the "Statement of the Reasons in Support of the Modification" BEL submitted that load requirements of its BPCs at Plant-I and Plant-II were on the rise. Therefore, in order to meet the demand of its designated BPCs, it is inevitable to enhance the installed capacity of Plant-I and Plant-II.

(iv). Regarding the "Statement of the Impact on the Tariff, Quality of Service (QoS) and the Performance by the Licensee of its obligation under the Licence", BEL informed that addition of oil based engines would not have any adverse impact on Tariff, QoS and its Performance under the granted Generation 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 Regulations by BEL, the Registrar accepted the LPM for further processing.

(ii). The Registrar published the communicated LPM on December 30, 2014 in one English and one Urdu daily news papers, seeking comments of the general public and other stakeholders, in favor or against the communicated LPM.

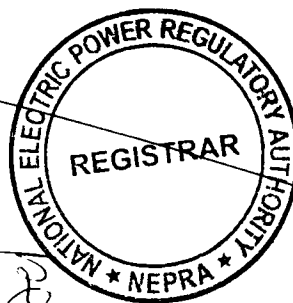


(iii). Apart from the said notice in the press, separate letters were also sent to experts, government ministries and representative organization etc. inviting their views and comments in the matter.

(D). Comments of Stakeholders

(i). In reply to the above, the Authority received comments from five (05) stakeholders. These included Environmental Protection Agency Government of Sindh (EPA Sindh), Kotri Association of Trade & Industry (KAT&I), Sui Northern Gas Company Limited (SNGPL), Ministry of Water & Power (MoW&P) and Ministry of Petroleum & Natural Resources (MoP&NR). The salient points of the comments offered by the said stakeholders are summarized as follows:-

- (a). EPA Sindh expressed that projects pertaining to any development activity require submission of Initial Environmental Examination (IEE) or Environmental Impact Assessment (EIA). BEL has not submitted any such report. Therefore, till the compliance of legal formalities, the request of BEL may not be considered;
- (b). KAT&I commented that proposed addition in Generation capacity would help in controlling the current power crises. KAT&I supported the communicated LPM;
- (c). SNGPL stated that no gas connection has been provided to BEL. Therefore, it has no comments to offer in the matter;



(d). MoW&P remarked that the Authority may process the LPM of BEL as per provisions of NEPRA Act, relevant rules and policy guidelines; and

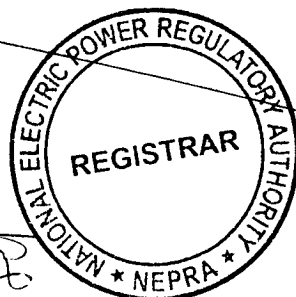
(e). MoP&NR in its comments desired certain information pertaining to gas connection of BEL i.e. Account No., detail of additional gas requirements and approval from SNGPL or SSGC etc.

(ii). The Authority examined the above comments of the stakeholders and generally found the same in favor of the communicated LPM except a few observations made by EPA Sindh and MoP&NR. In view of the said, the Authority decided seeking perspectives of BEL on the comments of the said stakeholders.

(iii). In response to the above, BEL provided necessary approval of EPA Sindh. Whereas, about the queries of MoP&NR, it was submitted that BEL would not require any additional gas for its Plant-I. The Authority considered the rejoinders of BEL and found the same satisfactory. In consideration to the said, the Authority considered it appropriate to proceed further as stipulated in the Regulations and the Rules.

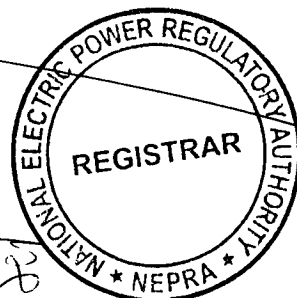
(E). Approval of LPM

(i). In terms of Regulation-10(5) of the Regulations, the Authority is entitled to modify a licence 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 the NEPRA Act; (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.

(ii). As explained above, the Authority granted BEL a Generation Licence No. SGC/013/2002 dated January 31, 2002 with an installed capacity of 16.4 MW for its two distinctly located Generation Facilities/Power Plants. Out of the said, one Generation Facility (i.e. Plant-I) with an installed capacity of 1.905 MW is located at E-2, SITE, Kotri in the Province of Sindh and other Generation Facility (i.e. Plant-II) with an installed capacity of 14.495 MW at 18-KM Sheikhpura-Faisalabad Road near Ferozewatwan, District Sheikhpura, in the Province of Punjab. Initially the Authority allowed BEL an STSA to supply electricity to seven (07) BPCs. These included Bhanero Textile Mills No.1 (BTML-1) from Plant-I, Bhanero Textile Mills No. 2 (BTML-2), S.B. Jadeed Hatchery, Qazi Yarn (Private) Limited, Nishat Mills Limited, Blessed Textile Limited (BTL-1&2) and Faisal Spinning Mills Limited (FSML) from Plant-II. All the said BPCs are located on private property within the same premises of BEL. Later on, the Authority through Modification-I dated May 30, 2008 allowed enhancement in the capacity of Plant-I to 2.805 MW while, three (03) designated BPCs at Plant-II were excluded from the STSA. The present request of BEL pertains to addition in the installed capacity of (a). Plant-I from 2.805 MW to 3.635 MW [by installing additional three (03) latest, fuel efficient Waukesha made Gas Engines and retiring three old Gas Engines (2 x 0.635 MW + 1 x 0.900 MW)] and (b). Plant-II from 14.495 MW to 33.695 MW by installing three (03 x 6.40 MW) most reliable and environmental friendly Wartsila made RFO Engines. Further, BEL intends supplying to two (02) new industrial units which included UFPL and BTL-3. In order to supply to the said

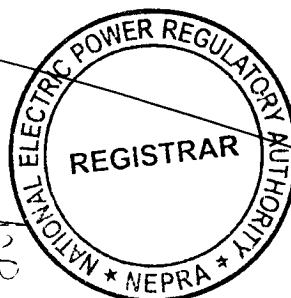


units, the Licensee/BEL plans laying two additional Feeders crossing the main Sheikhpura-Faisalabad Road, Ferozewatwan.

(iii). The Authority is well aware that presently there is severe shortage of electricity in the country and there is huge Supply-Demand gap. In view of this, the Distribution Companies are facing difficulties in serving their consumers. Due to the prevailing situation, the Industrial Units are forced to make their own arrangements to meet their electricity requirements. In view of the said, the Authority considers that the initiative/proposal of BEL/the Licensee of installing/adding more generation capacity to meet with the demands of existing BPCs and two new Industrial units is plausible.

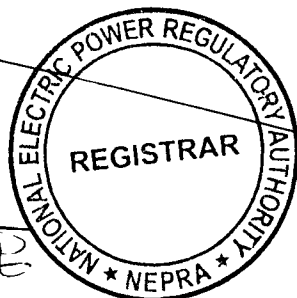
(iv). The Authority clarifies that pursuant to Section-21 of the NEPRA Act, the Authority is competent allowing a Generation Company to sell to a BPC (i.e. a consumer which purchases or receives electric power, at one premise in an amount of one (01) MW or more within the service territory of DISCO. According to the submitted information, the new BPCs (i.e. UFPL and BTL-3) will be purchasing 1.00 MW and 4.4 MW of electric power from BEL. Therefore, under the NEPRA Act, UFPL and BTL-3 for the purpose of supply of electric power may be considered as a BPCs of BEL.

(v). About the request of BEL/the Licensee for supplying to two new industrial units, it is clarified that while granting the original Generation Licence to the Licensee/BEL, the Authority had allowed the Licensee/BEL supplying only to BPCs existing at that time. The said restriction was based to safeguard the interests of DISCOs for making them viable to meet with their Universal Service Obligations. However, with the passage of time, DISCOs are finding it hard to serve their BPCs in a better way as there is huge Supply-Demand gap and DISCOs are forced to carry out the load-shedding. In consideration of the said, the Authority is of the considered opinion that in the supply constrains



imposing said conditions will not be prudent. Therefore, the Authority hereby revokes the said condition for generation companies/Small Power Producers-SPPs for adding more BPCs and allows the Licensee/BEL supplying to the above mentioned new BPCs.

(vi). The Authority has observed for supplying to new BPCs (located across the Public Road), the Licensee/BEL will be required laying Feeder(s) on public property/road which is part of the Service Territory of LESCO for which it has exclusivity in terms of Section-21 and Article-7 of its Distribution Licence No. 03/DL/2002, dated April 01, 2002. In terms of Article-9 of its said Distribution Licence, LESCO is obligated to offer its distribution system to any Licensee supplying to a BPC, for which the Authority has been determining the use of system charges. In consideration of the said, LESCO may consider providing the connectivity for transporting the electric power for a BPC from a generating company. Whereas, in this particular case LESCO has not shown any intention to construct the proposed overhead feeder/underground cable connecting the generation facility of BEL to its prospective BPC(s) as stated above. Whereas, BEL and its prospective BPC(s) are ready to construct such facilities. However, the construction of Feeder/laying of overhead feeder/underground cable by BEL and its proposed BPC(s) has implications, as it will require Modification in the Distribution Licence of LESCO for carving out part of its Service Territory to accommodate this overhead feeder/underground cable. In this regard, the Authority does not consider the Modification in the Distribution Licence of LESCO desirable as it will restrict the future expansion of the DISCO. Therefore, the Authority is of the view that BEL or prospective BPC(s) may construct the distribution lines at their cost and hand over the same, either on lease basis or through outright sale to LESCO. However, LESCO would not connect the said facilities with its main distribution system. Further, operation and maintenance of the facilities may be carried out by BEL, prospective BPC(s) or LESCO on mutually agreed terms and conditions.

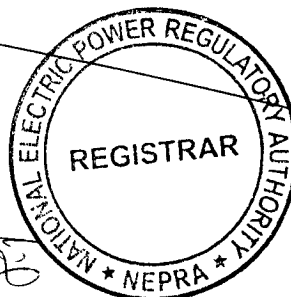


Accordingly, the Authority directs BEL, BPC(s) and LESCO to agree to a mutually beneficial arrangement for laying the feeder/cable to allow supplying to the prospective BPC without violating the exclusivity of the DISCO. In laying the overhead feeder/underground cable, BEL and BPC(s) must adhere to all relevant construction, safety and operational standards. However, in case of any dispute, BEL, BPC(s) and LESCO may refer the matter to the Authority for adjudication and decision.

(vii). 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 BEL and its BPCs (i.e. UFPL and BTL-3), the same will not affect any other consumer or third party. Therefore for the purpose of tariff for UFPL and BTL-3 as BPCs, the Authority considers it appropriate directing BEL, UFPL and BTL-3 agreeing to a bilateral agreement and submitting the same to it for approval and record. Accordingly, BEL will then be allowed to charge the agreed tariff subsequent to the grant of the Generation Licence, in accordance with Rule-6(1)(b) of the Rules.

(viii). In view of the above, the Authority in terms of Regulation 10(11) of the Regulations hereby approves the communicated LPM in the Generation Licence of BEL for installing new generation capacity and addition new BPCs in the name of UFPL and BTL-3. Accordingly, the already granted Generation Licence (No. SGC/013/2002 dated January 31, 2002 and Modification-I dated May 30, 2008) in the name of BEL is hereby modified.

(ix). The changes in "Face Sheet", "Articles of the Generation Licence", "Schedule-I" and "Schedule-II" of the Generation Licence are attached as annexure to this determination. The grant of the LPM will be subject to the provisions contained in the NEPRA Act, relevant rules framed



there under, terms and conditions of the Generation Licence and other applicable documents.

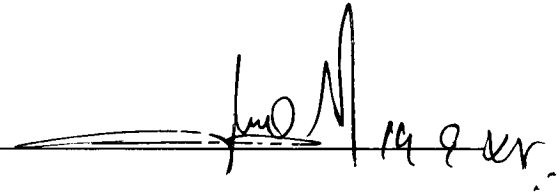
Authority

Syed Masood-ul-Hassan Naqvi
(Member)

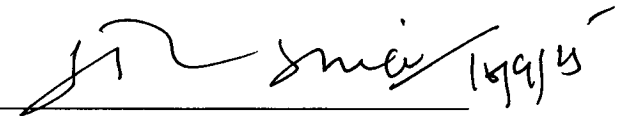

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Himayat Ullah Khan
Member

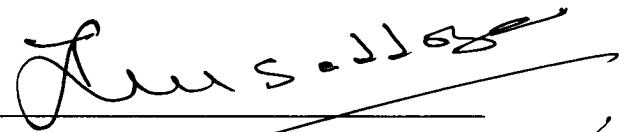
Khawaja Muhammad Naeem
Member

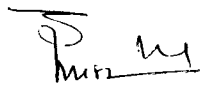

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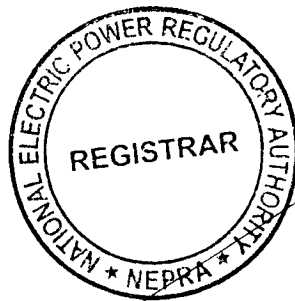
Maj. (R) Haroon Rashid
Member/Vice Chairman



14/9/15

Brig. (R) Tariq Saddozai
Chairman


28/9/15


21.09.15





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

GENERATION LICENCE

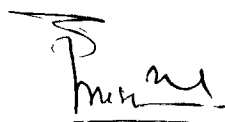
No. SGC/013/2002

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/013/2002 dated January 31, 2002 as amended earlier through Modification-I dated May 30, 2008 granted to **Bhanero Energy Limited** to the extent of changes mentioned as here under:-

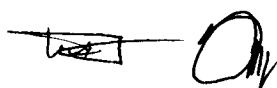
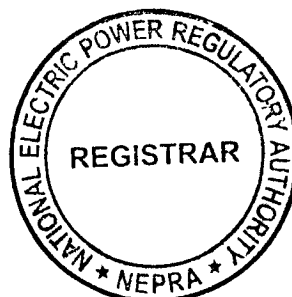
- (a). **Changes in Schedule-I attached as Revised/Modified Schedule-I;**
- (b). **Changes in Schedule-II attached as Revised/Modified Schedule-II.**
and
- (c). **Changes in Second Tier Supply Authorization attached as Amended/Revised Second Tier Supply Authorization.**

This **Modification-II** is given under my hand on this 21st day of

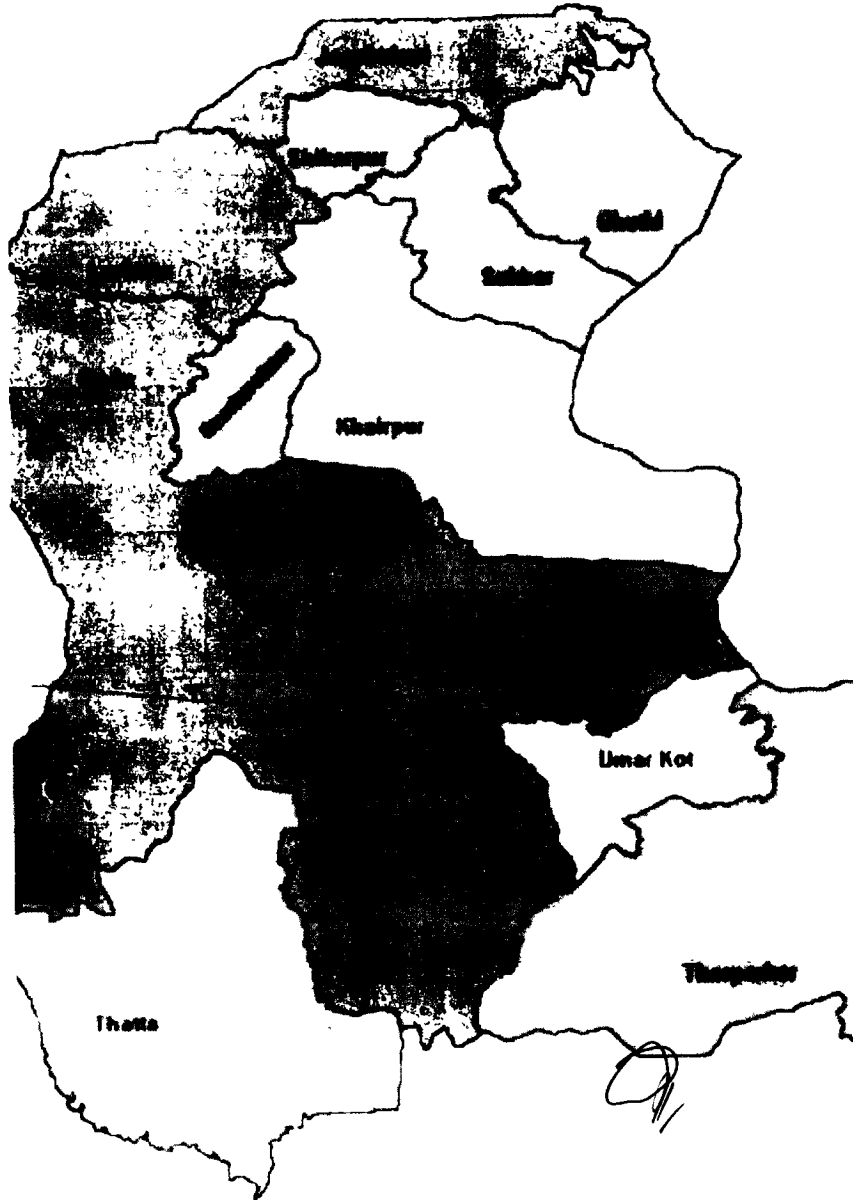
September Two Thousand & Fifteen



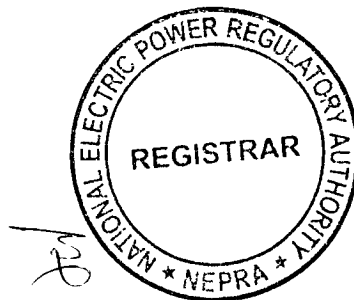
Registrar



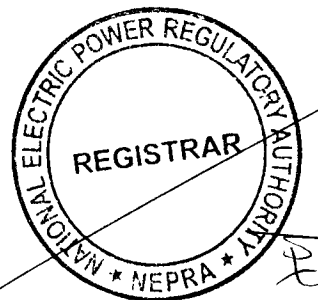
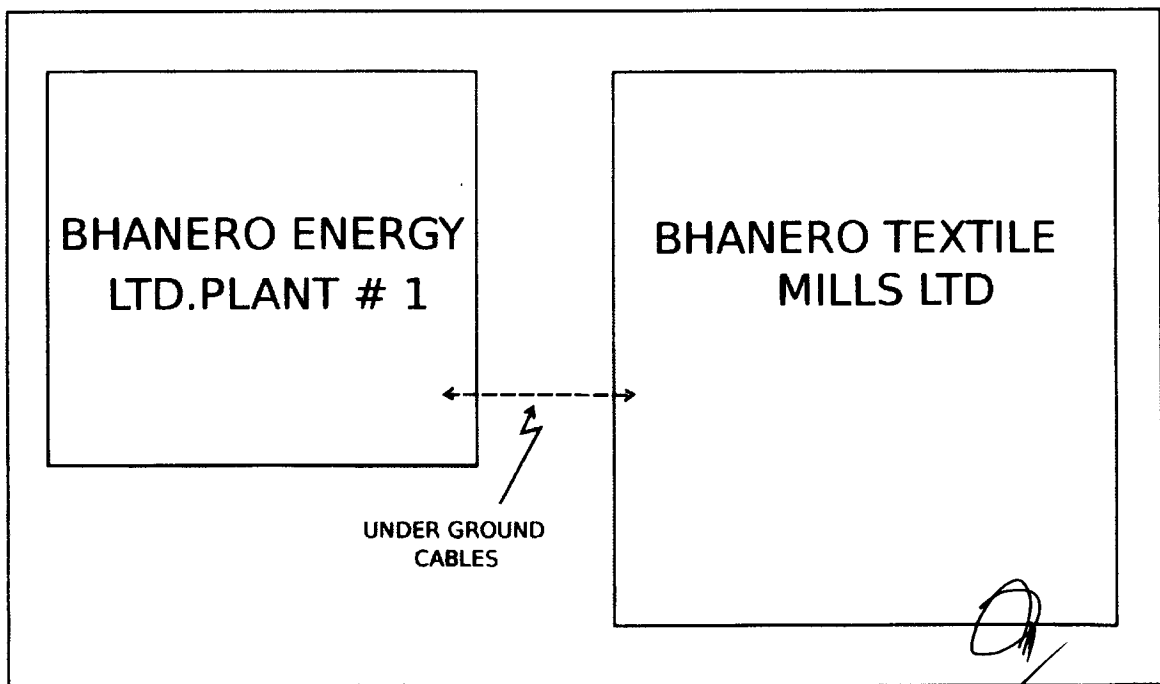
**Location of the Generation Facility-I/Power Plant-I of the
Licensee/Banhero Energy Limited (BEL)**



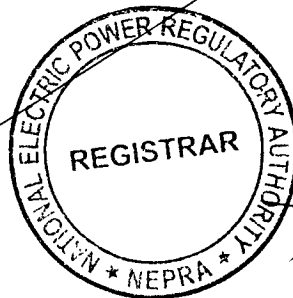
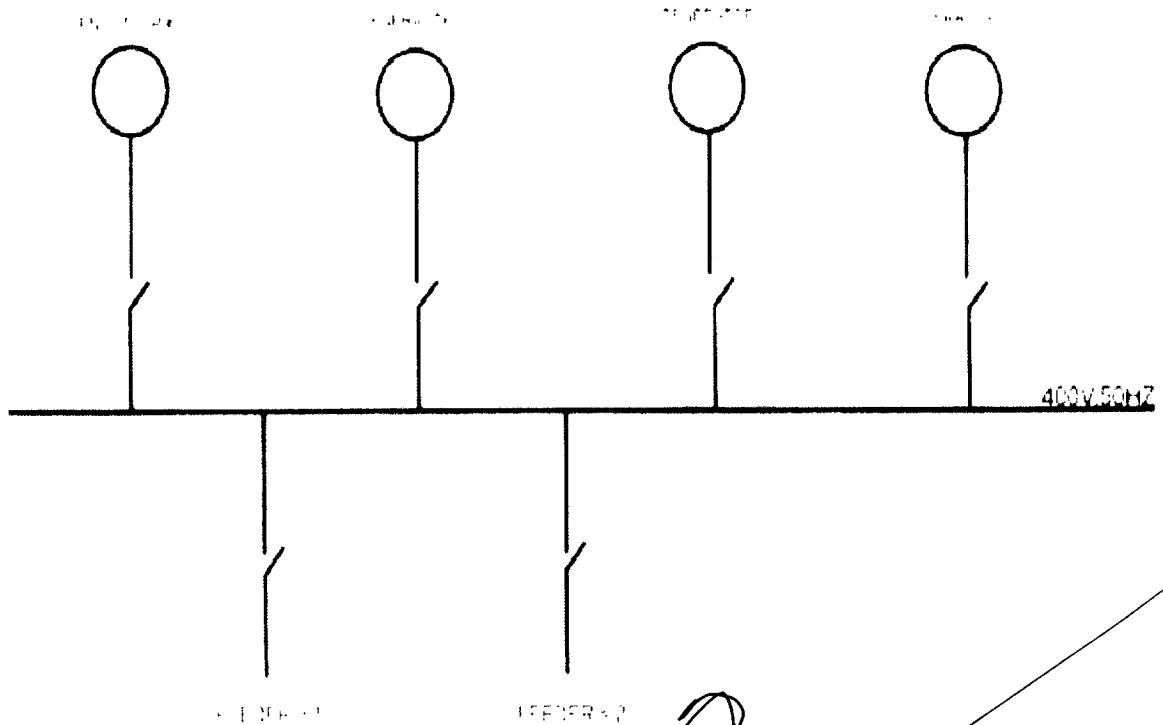
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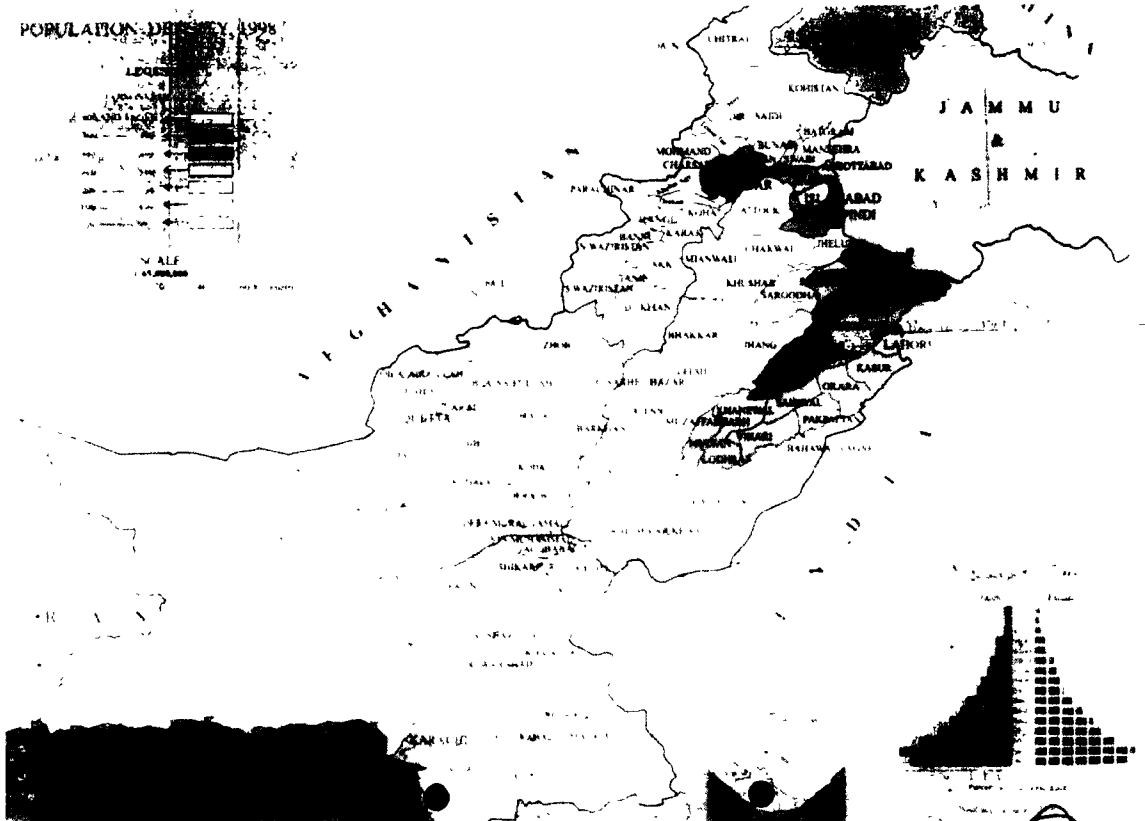
Layout of the Generation Facility-I/Power Plant-I of the Licensee/BEL



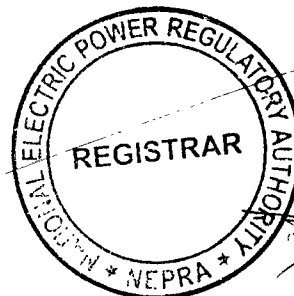
Single Line Diagram of the Generation Facility-I/Power Plant-I of the Licensee/BEL



Location of the Generation Facility-II/Power Plant-II of the Licensee/BEL

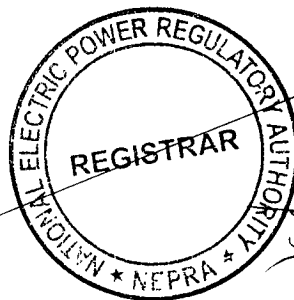
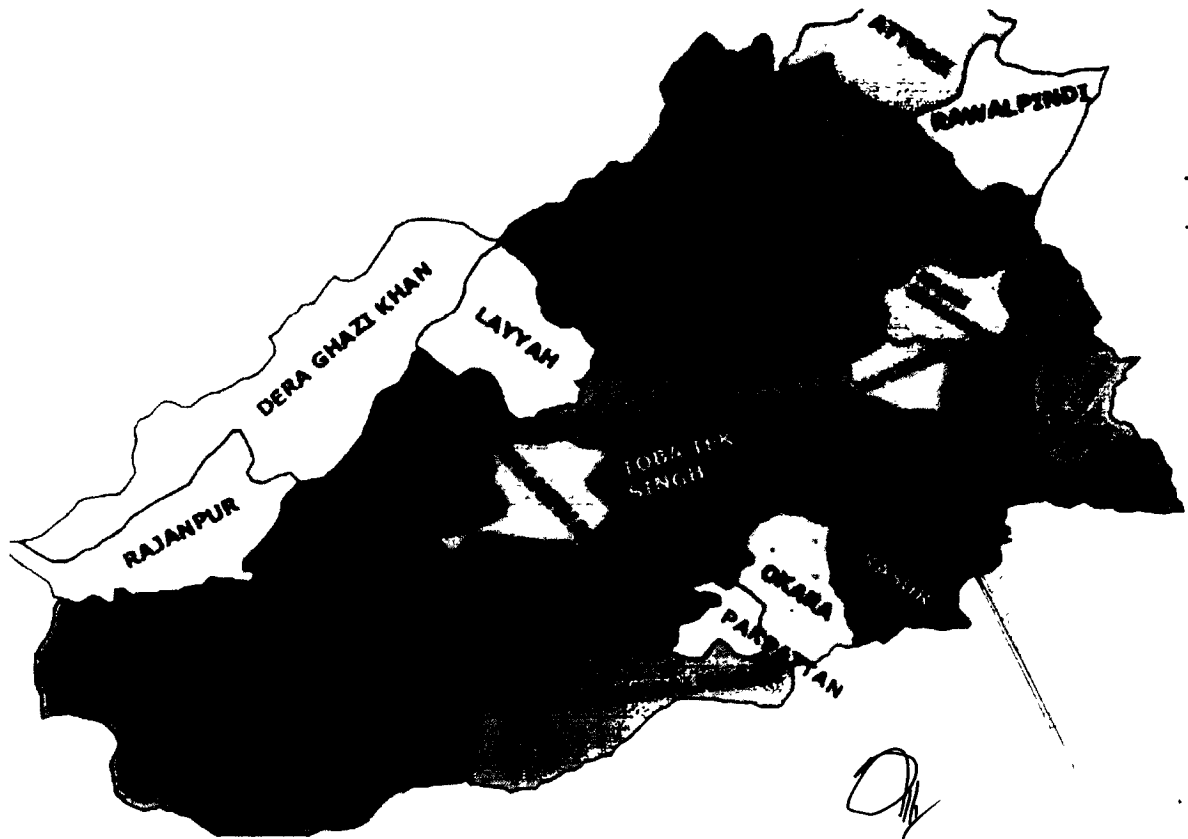


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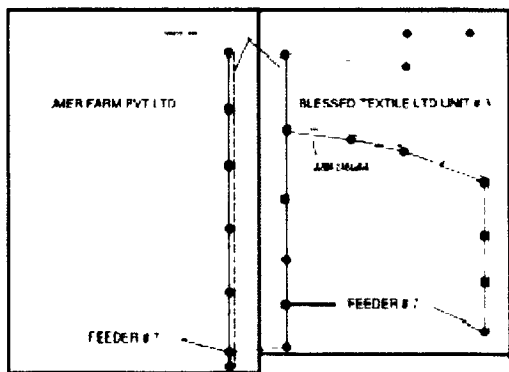
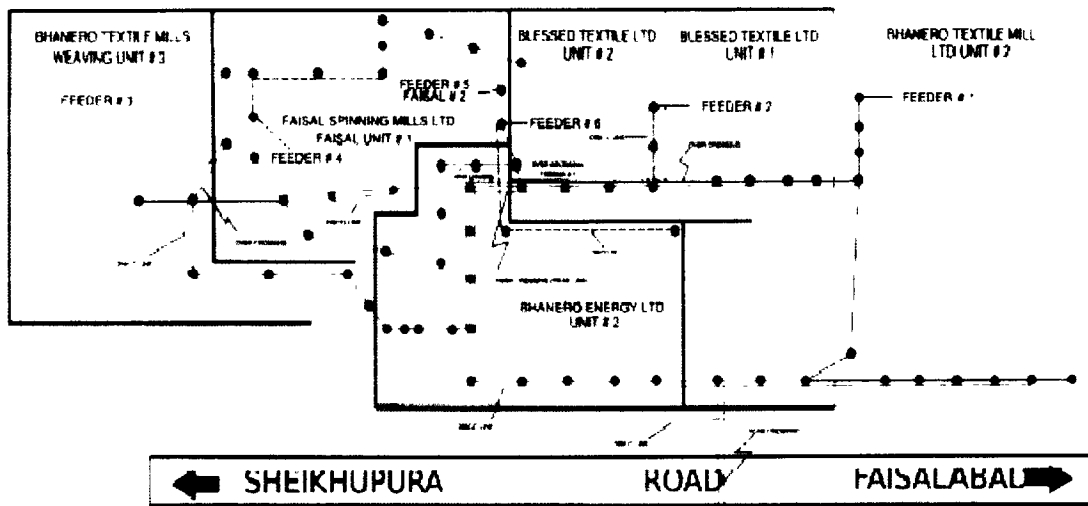


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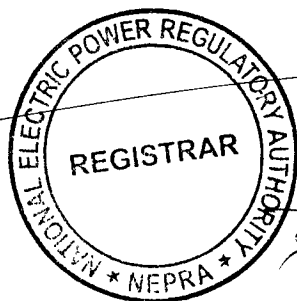
Location of the Generation Facility-II/Power Plant-II of the Licensee/BEL on Map of Punjab



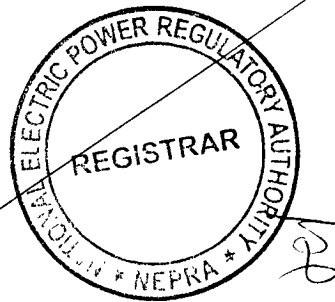
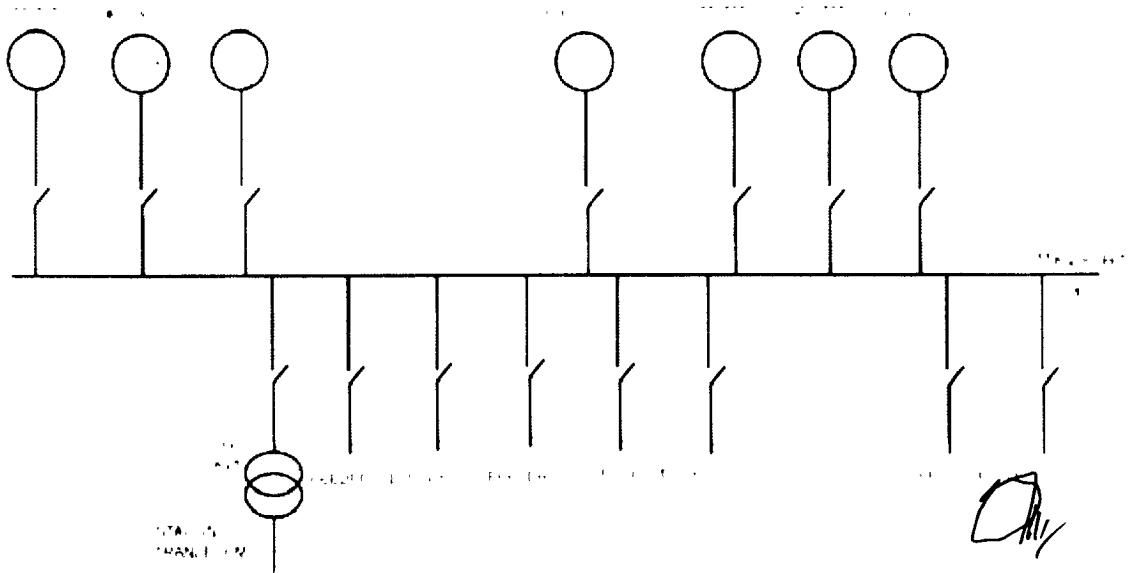
Layout of the Generation Facility-II/Power Plant-II of the Licensee/BEL



Sl. No.	CONSUMER	Capacity (KW)	Phase	Category
1	AMER FARM PVT LTD	1000	3	Industrial
2	BLESSED TEXTILE LTD UNIT #1	500	3	Industrial
3	BLESSED TEXTILE LTD UNIT #2	500	3	Industrial
4	BHANERO TEXTILE MILLS LTD UNIT #3	1000	3	Industrial
5	FAISAL SPINNING MILLS LTD	1000	3	Industrial
6	BHANERO ENERGY LTD UNIT #2	1000	3	Industrial
7	BHANERO TEXTILE MILL LTD UNIT #2	1000	3	Industrial
8	AMER FARM PVT LTD	1000	3	Industrial



**Single Line Diagram of the Generation Facility-II/Power Plant-II of
the Licensee/BEL**

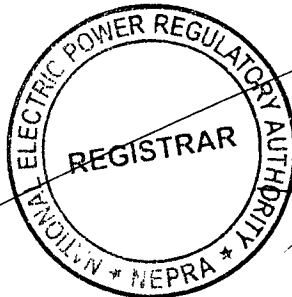


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**Details of
 Generation Facilities/Power Plants
 of the Licensee/BEL**

(A). General Information

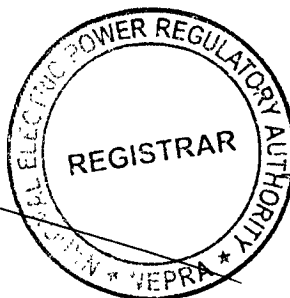
(i).	Name of the Licensee/Company	Bhanero Energy Limited	
(ii).	Registered Office Address	Umer House 23/1, Sector 23, S.M Farooq Road, Korangi Industria Area, Karachi	
(iii).	Business Office Address	9 th Floor, City Towers, 6-K, Main Boulevard Gulberg-II, Lahore, in the Province of Punjab	
(iv).	Location of the Generation Facilities/Power Plants	Generation Facility-I/Power Plant-I	Generation Facility-II/Power Plant-II
		E-2, S.I.T.E Kotri, in the Province of Sindh	18-KM, Sheikhpura-Faisalabad Road, Feroze Watwan, in the Province of Punjab
(v).	Type of Generation Facilities/Power Plants	Thermal Generation Facilities/Power Plants	



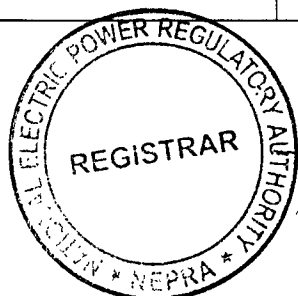
(B). Configuration

(i).	Installed Capacity of the Generation Facilities/Power Plants (Gross)	Generation Facility-I/Power Plant-I	3.635 MW	
		Generation Facility-II/Power Plant-II	33.695 MW	
		Total	37.330 MW	
(ii).	Type of Generation Facilities/Power Plants	Generation Facility-I/Power Plant-I	Gas Engines	
		Generation Facility-II/Power Plant-II	Diesel Engines	
(iii).	Number of Units/Size (MW)	Generation Facility-I/Power Plant-I	Unit No. 1	1 x 0.635 MW
			Unit No. 2-4	3 x 1.000 MW
		Generation Facility-II/Power Plant-II	Unit No. 1-3	3 x 2.995 MW
			Unit No. 4	1 x 5.509 MW
			†Unit No. 5-7	3 x 6.400 MW
(iv).	Make & Model	Generation Facility-I/Power Plant-I	Unit No. 1	Waukesha/VHP7100G
			Unit No. 2-4	Waukesha APG-16V150LTD
		Generation Facility-II/Power Plant-II	Unit No. 1-3	Stork Wartsila 12 SW26 V
			Unit No. 4	Vassa Wartsila 16 V32 LN
			Unit No. 5-7	Wartsila 18 V32 LN

* New Addition
 † New Addition



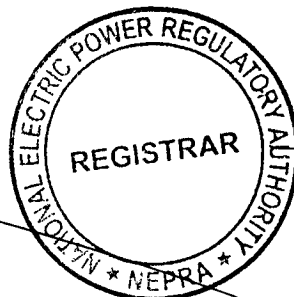
(v).	Commissioning date of various units of the Generation Facilities/Power Plants.	Generation Facility-I/Power Plant-I	Unit No. 1	1996
			Unit No. 2-4	2015
		Generation Facility-II/Power Plant-II	Unit No. 1-3	1996
			Unit No. 4	2001
			Unit No. 5-7	2015
(vi).	Minimum Expected useful Life of the various units of Generation Facilities/Power Plants from Commercial Operation/Commissioning Date	Generation Facility-I/Power Plant-I	Unit No. 1	31 Years
			Unit No. 2-4	25 Years (New Addition Now)
		Generation Facility-II/Power Plant-II	Unit No. 1-3	31 Years
			Unit No. 4	26 Years
			Unit No. 5-7	25 Years (New Addition Now)
(vii)	Remaining useful Life of the various units of Generation Facilities/Power Plants at the time of grant of Generation Licence dated January 31, 2002	Generation Facility-I/Power Plant-I	Unit No. 1	25 Years
			Unit No. 2-4	Not installed at that time
		Generation Facility-II/Power Plant-II	Unit No. 1-3	25 Years
			Unit No. 4	25 Years
			Unit No. 5-7	Not installed at that time
(vii)	Remaining useful Life of the different units of Generation Facilities/Power Plants at the time of issuance of Modification-I dated May 30, 2008.	Generation Facility-I/Power Plant-I	Unit No. 1	19 Years
			Unit No. 2-4	Not installed at that time.
		Generation Facility-II/Power Plant-II	Unit No. 1-3	19 Years
			Unit No. 4	19 Years
			Unit No. 5-7	Not installed at that time



(viii).	Minimum Remaining Useful Life of the units of the Generation Facilities/Power Plants at the time of issuance of this Modification-II dated September <u>21st</u> , 2015.	Generation Facility-I/Power Plant-I	Unit No. 1	12 Years
			Unit No. 2-4	25 Years (New Addition Now)
		Generation Facility-II/Power Plant-II	Unit No. 1-3	12 Years
			Unit No. 4	12 Years
			Unit No. 5-7	25 Years (New Addition Now)

(C). Fuel Details

		Generation Facility-I/Power Plant-I	Generation Facility-II/Power Plant-II
(i).	Primary Fuel	Natural Gas (NG)	Heavy Furnace Oil (HFO)
(ii).	Alternate Fuel	Nil	Light Fuel Oil (LFO)/High Speed Diesel (HSD)
(iii).	Fuel Source (Imported/Indigenous)	Indigenous	Imported/Indigenous
(iv).	Fuel Supplier	Sui Southern Gas Company Limited	Shell Pakistan
(v).	No. of Tanks	NA	02
(vi).	Capacity of Storage Facilities/Tank	NA	2500 Metric Tons/Tank
(vii)	Supply Arrangement	Through Pipelines	Oil Tankers/ through Road



(D). Emission Values

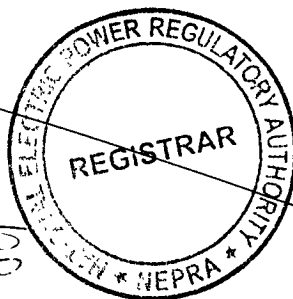
		Generation Facility-I/ Power Plant-I	Generation Facility-II/ Power Plant-II
(i)	SO _x	Nil	1.85 Tons/Per Day)
(ii).	NO _x	9.38g/KWH	(13 g/KWH)
(iii).	CO ₂	536	6% of exhaust of gases
(iv).	CO	N/A	NA
(v).	PM ₁₀	N/A	0.6 g/KWH

(E). Cooling System

(i).	Cooling Water Source/Cycle	Generation Facility-I/ Power Plant-I	Generation Facility-II/ Power Plant-II
		Through Water Supplied by SITE Kotri	Through Tube wells

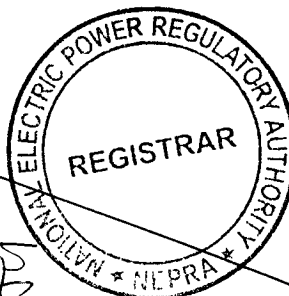
(F). Characteristics

		Generation Facility-I/ Power Plant-I	Generation Facility-II/ Power Plant-II
(i).	Generation Voltage	0.4 KV	11 KV
(ii).	Frequency	50 HZ	50 HZ
(iii).	Power Factor	0.80 Lagging	0.80 Lagging
(iv).	Automatic Generation Control (AGC)	Yes	Yes
(v).	Ramping Rate	3%/Sec	3%/Sec
(vi).	Time required to Synchronize to Grid and loading the complex to full load.	NA	NA



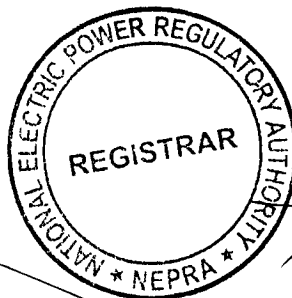
Information Pertaining to the Bulk Power Consumer (BPC) in the Name of Bhanero Textile Mills Limited-BTML (Unit No.1) at Generation Facility-I/Power Plant-I of the Licensee/BEL

(i).	Location of the BPC (distance and/or identity of premises).		E/2, SITE, Kotri.
(ii).	Contracted Capacity and Load Factor of the BPC.		1.8 MW/ Variable.
(iii).	Specify Whether		
	(a).	The BPC is an associate undertaking of the BEL-If yes, specify percentage ownership of equity;	Yes, the BPC is an associate undertaking of the BEL with common directorship. The percentage ownership of equity is 100%;
	(b).	There are common directorships;	Yes
	(c).	Can exercise influence or control over the other.	Yes
(iv).	Specify Nature of Contractual Relationship.		
	(a).	Between the BPC and BEL;	Firm supply of electricity on a continuous basis
	(b).	Between the BPC and host DISCO.	No Network Connection with any DISCO
(v).	Any other network information deemed relevant to disclosure or consideration by the Authority.		N/A.




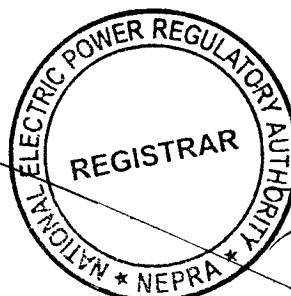
**Information Regarding Distribution Network for Supply of Power to
 BTML (Unit No.1) at Generation Facility-I/Power Plant-I of the
 Licensee/BEL**

(i).	No. of Feeder(s).	One (01)	
(ii).	Length of Feeder.	10.00 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.	Owned Property, No crossing.	
(iv).	Whether owned by BEL, BPC or DISCO.		
	(a).	If owned by DISCO, furnish particulars of contractual arrangement.	Owned by BPC i.e. BTML.
	(b).	Operation and Maintenance responsibility of the Feeder.	Operation and Maintenance of Feeder is the responsibility of BPC i.e. BTML.
(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 the Authority.	N/A.	



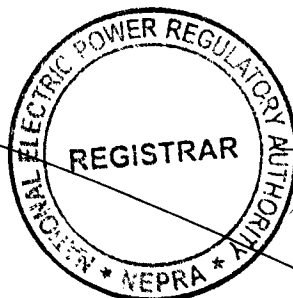
Information Pertaining to the BPC in the Name of Bhanero Textile Mills Limited-BTML Unit No.2 and Unit No.3 at Generation Facility-II/Power Plant-II of the Licensee/BEL

(i).	Location of the BPC (distance and/or identity of premises).	18.5 KM, Sheikhupura-Faisalabad Road Ferozewatwan.	
(ii).	Contracted Capacity and Load Factor of the BPC.	7.2 MW/Variable	
(iii).	Specify Whether		
	(a).	The BPC is an associate undertaking of the BEL-If yes, specify percentage ownership of equity;	The BPC is an associate undertaking of the BEL with common directorship. The percentage ownership of equity is 100%.
	(b).	There are common directorships;	Yes
(iv).	Specify Nature of Contractual Relationship.		
	(a).	Between the BPC and BEL;	Firm supply of electricity on a continuous basis.
	(b).	Between BPC and host DISCO.	BTML has B-3 connection LESCO (with load of 1.466 MW).
(v).	Any other network information deemed relevant to disclosure or consideration by the Authority.	N/A.	




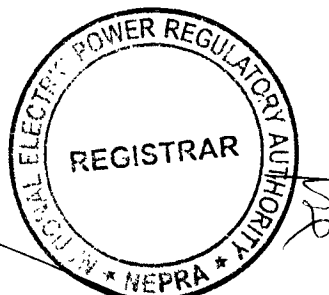
**Information Regarding Distribution Network for Supply of Power to
 Bhanero Textile Mills Limited-BTML Unit No.2 and Unit No.3 at
 Generation Facility-II/Power Plant-II of the Licensee/BEL**

(i).	No.of Feeder(s).	Two (02).	
(ii).	Length of Each Feeder.	Feeder No. 01	Feeder No.03
		BTML Unit No. 02	BTML Unit No. 03
		1.00 KM	0.60 KM
(iii).	In respect of the Feeders, describe the property (streets, farms, Agriculture land etc.) through which under or over they pass right up to the premises of customers, whether they cross over or pass near the DISCO(s) lines.	The Feeders pass through BEL, property of BPC and other BPC(s).Yes cross over and pass near the DISCO(s) lines.	
(iv).	Whether owned by BEL, BPC or DISCO. (deal with each Feeder Separately)		Both owned by BPC i.e. BTML-2 & BTML-3.
	(a).	If owned by DISCO, furnish particulars of contractual arrangement;	
	(b).	Operation and Maintenance responsibility of the Feeders.	Operation and Maintenance of the Feeders is the responsibility of BPC.
(v).	Whether connection with network of DISCO(s) exists (whether active or not), if yes, provide details of connection arrangements (both technical and contractual).		Yes.
(vi).	Any other network information deemed relevant for disclosure to or consideration by the Authority.		N/A.




Information Pertaining to the BPC in the Name of Blessed Textile Limited- BTL Unit No. 1 and Unit No. 2 at Generation Facility-II/Power Plant-II of the Licensee/BEL

(i).	Location of the BPC (distance and/or identity of premises).	18-KM Sheikhpura-Faisalabad Road Feroze Watwan.	
(ii).	Contracted Capacity and Load Factor of the BPC.	5.50 MW/Variable.	
(iii).	Specify Whether		
	(a).	The BPC is an associate undertaking of the BEL-If yes, specify percentage ownership of equity;	The BPC is an associate undertaking of BEL with common directorship. The percentage ownership of equity is 100%.
	(b).	There are common directorships;	Yes
	(c).	Can exercise influence or control over the other.	Yes
(iv).	Specify Nature of Contractual Relationship.		
	(a).	Between the BPC and BEL.	Firm supply of electricity on a continuous basis.
	(b).	Between BPC and host DISCO.	BTL has a connection with LESCO having J-Tariff
(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
 Blessed Textile Limited-Unit No.1 and Unit No.2 at Generation Facility-
 II/Power Plant-II of the Licensee/BEL**

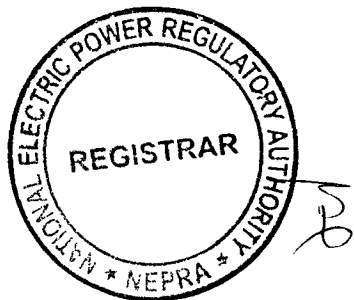
(i).	No. of Feeder(s).	Two (02).	
(ii).	Length of Each Feeder.	Feeder No.02 (Feeding to Unit No.1)	Feeder No.06 (Feeding to Unit No.2)
		0.80 KM	0.40 KM
(iii).	In respect of the Feeders, describe the property (streets, farms, Agriculture land etc.) through which under or over they pass right up to the premises of customers, whether they cross over or pass near the DISCO(s) lines.	The Feeders pass through BEL, property of BPC and other BPC(s). Yes they cross over and near the DISCO(s) lines.	
(iv).	Whether owned by BEL, BPC or DISCO (deal with each Feeder Separately)		
	(a).	If owned by DISCO, furnish particulars of the contractual arrangement;	All owned by BPC.
	(b).	Operation and Maintenance responsibility of the Feeder.	Operation and Maintenance of each Feeder is the responsibility of BPC i.e. BTL
(v).	Whether connection with network of DISCO(s) exists (whether active or not), if yes, provide details of connection arrangements (both technical and contractual).	Yes	
(vi).	Any other network information deemed relevant for disclosure to or consideration by the Authority.	N/A 	



Information Pertaining to the BPC in the Name of Faisal Spinning Mills Limited-FSML (i.e. Unit No.1 and Unit No.2) at Generation Facility-II/Power Plant-II of the Licensee/BEL

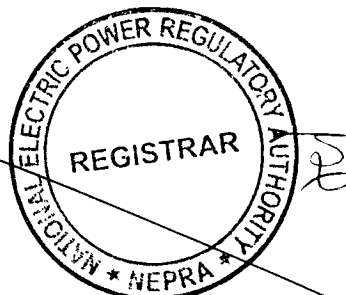
(i).	Location of the BPC (distance and/or identity of premises)	18-KM Shekhupura-Faisalabad Road Feroze Watwan.	
(ii).	Contracted Capacity and Load Factor of the BPC	5.00 MW/Variable.	
(iii).	Specify Whether		
	(a).	The BPC is an associate undertaking of the BEL-If yes, specify percentage ownership of equity.	The BPC is an associate undertaking of the BEL with common directorship. The percentage ownership of equity is 100%.
	(b).	There are common directorships;	Yes
(c).	Can exercise influence or control over the other.	Yes	
(iv).	Specify Nature of Contractual Relationship.		
	(a).	Between the BPC and BEL.	Firm supply of electricity on a continuous basis.
(b).	The BPC and host DISCO.	FSML has a connection of 3.6 MW with LESCO	
(v).	Any other network information deemed relevant to disclosure to or consideration by the Authority.	N/A	

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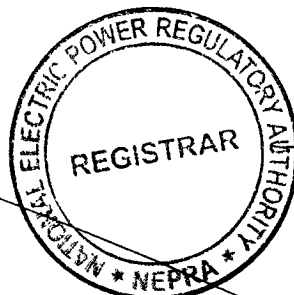
**Information Regarding Distribution Network for Supply of Power to
 Faisal Spinning Mills Limited-FSML (i.e. Unit No.1 and Unit No.2) at
 Generation Facility-II of the Licensee/BEL**

(i).	No. of Feeder(s)	Two (02)	
(ii).	Length of Each Feeder.	Feeder No.04 (Feeding Unit No.1)	Feeder No.05 (Feeding Unit No.2)
		0.50 KM	0.40 KM
(iii).	In respect of the Feeders, describe the property (streets, farms, Agriculture land etc.) through which under or over they pass right up to the premises of customers, whether they cross over or pass near the DISCO(s) lines.	Both the Feeders pass through BEL, property of BPC and private property. Yes they cross over and pass near the DISCO(s) lines.	
(iv).	Whether owned by BEL, BPC or DISCO (deal with each Feeder Separately)		
	(a).	If owned by DISCO, furnish particulars of contractual arrangement;	Both owned by BPC i.e. FSML.
	(b).	Operation and Maintenance responsibility of the Feeder.	Operation and Maintenance of each Feeder is the responsibility of BPC i.e. FSML
(v).	Whether connection with network of DISCO exists (whether active or not), if yes, provide details of connection arrangements (both technical and contractual).	Yes	
(vi).	Any other network information deemed relevant for disclosure to or consideration by the Authority.	N/A	



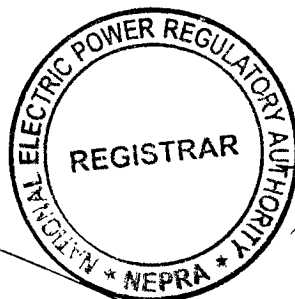
Information Pertaining to the BPC in the Name of Umer Farms (Private) Limited-UFPL at Generation Facility-II/Power Plant-II of the Licensee/BEL

(i).	Location of the BPC (distance and/or identity of premises).	18-KM Sheikhpura-Faisalabad Road Ferozewatwan.	
(ii).	Contracted Capacity and Load Factor of the BPC.	0.95 MW/Variable.	
(iii).	Specify Whether		
	(a).	The BPC is an associate undertaking of the BEL-If yes, specify percentage ownership of equity;	The BPC is an associate undertaking of the BEL with common directorship. The percentage ownership of equity is 100%.
	(b).	There are common directorships,	Yes
	(c).	Can exercise influence or control over the other.	Yes
(iv).	Specify Nature of Contractual Relationship.		
	(a).	Between the BPC and BEL;	Firm supply of electricity on a continuous basis
	(b).	Between BPC and host DISCO.	Yes. Connection With LESCO exists
(v).	Any other network information deemed relevant to disclosure to or consideration by the Authority.	N/A <i>ai</i>	




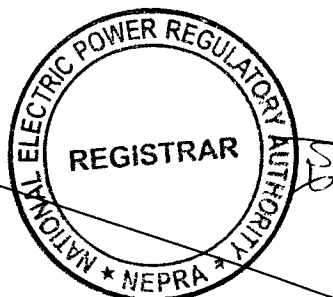
**Information Regarding Distribution Network for Supply of Power to
 Umer Farms (Private) Limited-UFPL at Generation Facility-II/Power Plant-II
 of the Licensee/BEL**

(i).	No. of Feeder(s)	One (01)
(ii).	Length of Feeder	Feeder No. 7
		1.20 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 BEL, Public Property (Faisalabad-Sheikhupura Road), property of other BPCs and BPC itself /Yes Crosses over and near the DISCO(s) line.
(vi).	Whether owned by BEL, BPC 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.
(vi).	Any other network information deemed relevant for disclosure to or consideration by the Authority.	N/A <i>Di</i>



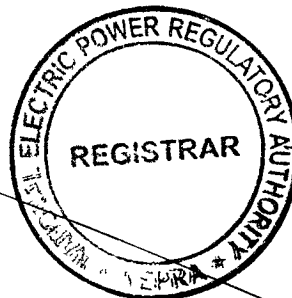
Information Pertaining to the BPC in the Name of Blessed Textile Limited-BTL (Unit No. 3) at Generation Facility-II/Power Plant-II of the Licensee/BEL

(i).	Location of the BPC (distance and/or identity of premises).	18-KM Sheikhpura-Faisalabad Road Ferozewatwan.
(ii).	Contracted Capacity and Load Factor of the BPC.	3.70 MW/Variable.
(iii).	Specify Whether	
	(a). The BPC is an associate undertaking of the BEL-If yes, specify percentage ownership of equity;	The BPC is an associate undertaking of the BEL with common directorship. The percentage ownership of equity is 100%.
	(b). There are common directorships	Yes
(c).	Can exercise influence or control over the other.	Yes
(iv).	Specify Nature of Contractual Relationship.	
	(a). Between the BPC and BEL;	Firm supply of electricity on a continuous basis.
(b).	Between BPC and host DISCO.	Yes. Connection With LESCO exists.
(v).	Any other network information deemed relevant to disclosure to or consideration by the Authority.	N/A 



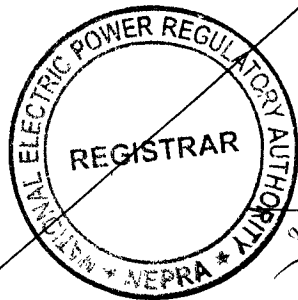
**Information Regarding Distribution Network for Supply of Power to
 Blessed Textile Limited-BTL (Unit No. 3) at Generation Facility-II/Power
 Plant-II of the Licensee/BEL**

(i).	No. of Feeder(s)	One (01)
(ii).	Length of Feeder	Feeder No. 7
		1.00 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 BEL, Public Property (Faisalabad-Sheikhupura Road) and Property of BPC/Yes, Crosses over and near the DISCO(s) line.
(vi).	Whether owned by BEL, BPC 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.
(vi).	Any other network information deemed relevant for disclosure to or consideration by the Authority.	N/A



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.

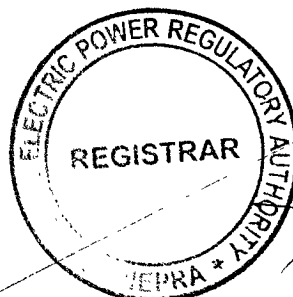


SCHEDULE-II

		Generation Facility-I/ Plant-I	Generation Facility-II/ Plant-II	Total
(1).	Total Gross Installed Capacity of the Generation Facility/Facilities.	3.635 MW	33.695 MW	37.33 MW
(2).	De-Rated Capacity of the Generation Facility/Facilities.	3.635 MW	33.695 MW	37.33 MW
(3).	Auxiliary Consumption of the Generation Facility/Facilities.	0.0985 MW	0.555 MW	0.6535 MW
(4).	Total Installed Net Capacity of the Generation Facility/Facilities at Reference Site Condition	3.5365 MW	33.14 MW	36.6765 MW

Note

All the above figure 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

Bhanero Energy Limited (BEL)

Incorporated under the Companies Ordinance, 1984
Under Certificate of incorporation
No.K-05090, Dated June 5, 1994

NEPRA GENERATION LICENCE No. SGC/013/2002

For

Sale to Bulk Power Consumer

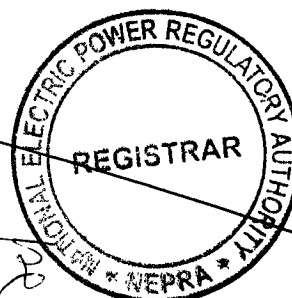
Pursuant to Section-21 of the NEPRA Act and Rules-7 of the NEPRA Licensing (Generation) Rules, 2000, the Authority hereby authorizes BEL/Licensee to engage in Second-Tier Supply business, limited to the following consumers also mentioned in Schedule-I of the Generation Licence No. SGC/013/2002. Earlier authorization granted is hereby cancelled and replaced with the following consumers;

(A). Bhanero Energy Limited (Generation Facility-I/Power Plant-I)

1. Bhanero Textile Mills No. 1, E-2, S.I.T.E Kotri.

(B). Bhanero Energy Limited (Generation Facility-II/Power Plant-II)

1. Bhanero Textile Mills Limited No. 2, 18.5 KM Sheikhpura-Faisalabad Road Ferozewatwan.
2. Blessed Textile Limited No.1, 18-KM Sheikhpura-Faisalabad Road Ferozewatwan.



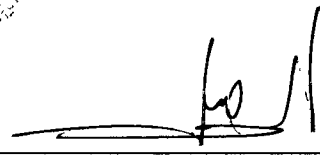
3. Blessed Textile Limited No.2, 18-KM Sheikhpura-Faisalabad Road Ferozewatwan.
4. Blessed Textile Limited No.3, 18-KM Sheikhpura-Faisalabad Road Ferozewatwan.
5. Faisal Spinning Mills Limited Unit No.1, 18-KM Sheikhpura-Faisalabad Road Ferozewatwan.
6. Faisal Spinning Mills Limited Unit No. 2, 18-KM Sheikhpura-Faisalabad Road Ferozewatwan.
7. Umer Farms (Private) Limited, 18-KM Sheikhpura-Faisalabad Road Ferozewatwan

Authority

(Syed Masood ul Hasan Naqvi)
Member


14/9/15

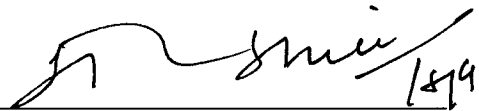
(Khawaja Muhammad Naeem)
Member


14/9/15

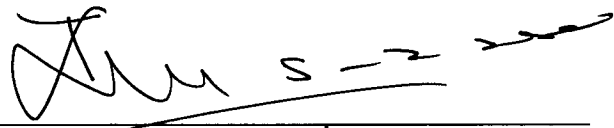
(Himayat Ullah Khan)
Member

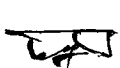
ON LEAVE

(Maj. (R). Haroon Rashid)
Member/Vice Chairman


18/9/15

(Brig. (R) Tariq Saddozai)
Chairman


18/9/15


P. Meera
21.09.15

