



National Electric Power Regulatory Authority

Islamic Republic of Pakistan

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Web: www.nepra.org.pk, E-mail: registrar@nepra.org.pk

Registrar

No. NEPRA/R/LAG-238/28733-39

December 27, 2019

Mr. Masood Pervez,
Director,
FIMCOTEX Industries (Private) Limited,
Suite 101, 1st Floor, Fortune Centre,
P.E.C.H.S (Nursery), Shahrah-e-Faisal,
Karachi.

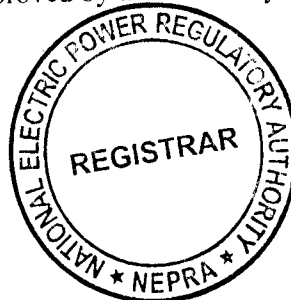
Subject: **Modification in Generation Licence No. SGC/98/2014
Licence Application No. LAG-238
FIMCOTEX Industries (Private) Limited (FMTXIPL)**

Reference: *FMTXIPL's LPM submitted vide its letter dated nil (received on July 18, 2018).*

It is intimated that the Authority has approved Modification in Generation Licence No. SGC/98/2014 dated March 11, 2014 in respect of FIMCOTEX Industries (Private) Limited (FMTXIPL), 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 FMTXIPL along with Modification-I in the Generation Licence No. SGC/98/2014 as approved by the Authority.

Enclosure: As above



(Handwritten signature)
27/12/19
(Iftikhar Ali Khan)

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, Alternative Energy Development Board (AEDB), 2nd Floor, OPF Building, G-5/2, Islamabad
5. Chief Executive Officer, Hyderabad Electric Supply Company Limited (HESCO), WAPDA Offices Complex, Hussainabad, Hyderabad
6. Director General, Environment Protection Department, Government of Sindh, Complex Plot No. ST-2/1, Korangi Industrial Area, Karachi.

National Electric Power Regulatory Authority
(NEPRA)

Determination of the Authority
in the Matter of Licensee Proposed Modification in the
Generation Licence of FIMCOTEX Industries (Private) Limited

December 27, 2019
Case No. LAG-238

(A). Background

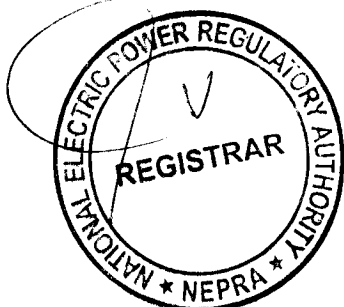
(i). FIMCOTEX Industries (Private) Limited (FMTXIPL) holds a generation licence (No. SGC/98/2014, dated on March 11, 2014) in terms of the then Section-15 (now Section-14B) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (the "NEPRA Act").

(ii). The Authority granted the above generation licence to FMTXIPL for its 35.538 MW pipe line quality Natural Gas (NG) based generation facility/thermal power plant located at SITE Taluka Kotri, District Jamshoro in the Province of Sindh for supplying to Hyderabad Electric Supply Company Limited (HESCO).

(B). Communication of Modification

(i). FMTXIPL in accordance with Regulation-10 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 July 18, 2018.

(ii). In the "text of the proposed modification", FMTXIPL stated that it has proposed to modify its generation licence to supply portion of surplus power to its associate concern i.e. Hyder IPG Industrial Parks Limited-HIPGIPL, located within the same premises.



(iii). Regarding the "statement of the reasons in support of the modification", FMTXIPL, *inter alia*, submitted that its current generation licence allows supplying to HESCO only. However, now the company plans supplying to an affiliated company as a Bulk Power Consumer (BPC) for which modification in the generation licence is required.

(iv). About the statement of "the impact on tariff", "Quality of Service (QoS)" and "the performance by the licensee of its obligation under the licence", FMTXIPL confirmed that the changes proposed will not have any impact on its existing tariff. Further, the modification will not have any impact on the QoS and the performance of the Licensee of its obligation under the existing licence.

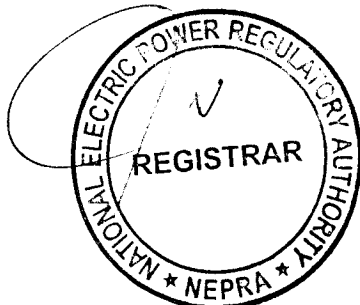
(C). Processing of Modification

(i). After completion of all the required information as stipulated under the Regulation-10(2) and 10(3) of the Licensing Regulations by the Licensee, the Registrar published the communicated LPM in one (01) English and one (01) Urdu daily newspaper on August 02, 2018, informing the general public, interested/affected parties, and different stakeholders about the said LPM as required under the Regulation-10(4) of the Licensing Regulations.

(ii). The Registrar invited comments of the said stakeholders in favor or against the communicated LPM. Apart from the said, notice in the press, separate letters were also sent to individual experts, Government ministries/attached departments and other representative organizations, etc. on August 02, 2018 inviting their views and comments for the assistance of the Authority as stipulated in Regulation-10(9) of the Licensing Regulations.

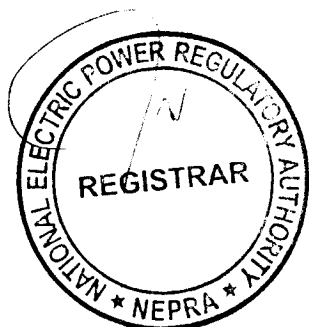
(D). Comments of Stakeholders

(i). In response to the above, comments were received from three (03) stakeholders which included Kotri Association of Trade & Industry (KAoT&I), Sui Southern Gas Company Limited (SSGCL) and HESCO. The



salient points of the comments offered by the above mentioned stakeholders are summarized in the following paragraphs: -

- (a). KAoT&I submitted that FMTXIPL is a valued member of this association, having a generation licence for supplying to HESCO. The proposed modification in the generation licence for supplying to a BPC is supported as it will help in reducing the burden of concerned distribution company;
- (b). SSGC remarked that an allocation of 6.00 MMCFD of RLNG had been made to FMTXIPL. It has no objection for sale of surplus electric power subject to meeting compliance/fulfilment of prevailing policies;
- (c). HESCO remarked that it issued a Letter of Intent (LoI) for procurement of 12.50 MW Natural Gas based electric power under NCPP Policy framework. Later on, its BOD in its 117th meeting held on May 07, 2016 accorded approval of the said proposal. Accordingly, HESCO issued the demand note of Rs.15,616,245/- dated May 31, 2016, for interconnectivity of the power plant with the system of HESCO for depositing the same within thirty (30) days but company failed to do the needful despite allowing it an extension of sixty (60) days. After a lapse of almost two (02) years, the company has approached HESCO for interconnection of power plant with its system. Meanwhile, company has submitted a modification for supplying a portion of the surplus electricity to its associated company for which HESCO has serious observations. The company/FMTXIPL failed to fulfil its commitment in achieving Commercial Operation Date (COD) of Phase-I & II mentioned in its generation licence. The determination of

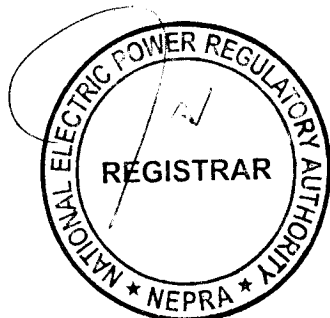


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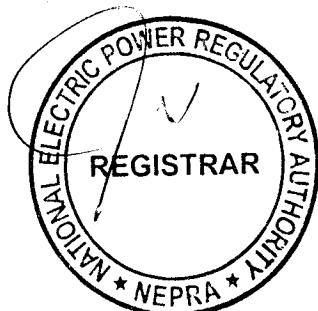
the Authority pertaining to tariff of the company/FMTXIPL mentions allocation of 3.00 acres of land for the project. It is not clear how another entity is being set on the same place which will be supplied from the power plant of FMTXIPL without approval of the Authority and other stakeholders. SSGCL had issued No Objection Certificate (NoC) for sale of surplus electric power to HESCO and it has the right to withdraw the same if violations are observed. The Authority had previously rejected such modifications in the licences of Mekotex (Pvt.) Limited and Hi-Tech Pipe & Engineering Industries (Pvt.) Limited. HESCO does not support the communicated LPM as it will open the door for the Captive Power Plants to sell to consumers of HESCO especially Industrial consumers.

(ii). The above mentioned comments of the stakeholders were reviewed and in view of the observations of HESCO, it was considered appropriate seeking perspective of FMTXIPL. In response to the said, FMTXIPL submitted that the Authority had approved its tariff for supply of power to HESCO however, the company had certain reservations and filed a review petition for the same. The review petition remained pending before the Authority for almost two years. Due to inordinate delay for finalization of review tariff petition, FMTXIPL suffered heavy financial losses both in terms of holding cost as well markup charges. Later on, FMTXIPL decided to withdraw the petition and accordingly approached HESCO for interconnectivity of its power plant with its network. In view of the above it is clear that due to various uncontrollable factor, the company could not be able to achieve the required COD for which it has already suffered heavy financial losses both in terms of holding cost as well mark-up charges.



(iii). Further to the above, FMTXIPL submitted that it has not constructed any facility meant for its associate concern i.e. HIPGIPL in the 3.00 acres of area exclusively allocated for its electric power generation facility. It was clarified that FMTXIPL holds sufficient piece of extra land which is not part and parcel of the 3.00 acres allocated to power generation facility. Regarding the sale of surplus power to the associated company, FMTXIPL stated that its generation facility has an installed capacity of 16.50 MW and will have a surplus after meeting its obligations towards HESCO and in this regard SSGC has already granted NOC for supplying to the associated company. It was stated that submission of LPM seeking permission for supplying a portion of surplus power to the associate concern in addition to HESCO is well within the framework of all legal provisions in vogue. Therefore, the case of FMTXIPL is very much distinct from the merits of the cases on which HESCO has relied and holds no merits. FMTXIPL was granted generation licence under the policy parameter of NCPP which fully gives first right to the licensee to consume its power as per desired needs and only allows to sale "surplus power" to the respective DISCOs. In addition, a number of industrial consumers around the country have already installed their captive power plants and are generating electric power as per installed load placing zero reliance on the respective DISCO. The said arrangement of self-generation by the industrial consumers is well within the legal framework or designed policy parameters which were framed by the respective authorities of both the Federal and the Provincial Governments therefore, objections of HESCO do not hold merit. In consideration of the said, FMTXIPL prayed that objections of HESCO may be overruled and the communicated LPM may be allowed.

(iv). The Authority considered the above submissions in its regulatory meetings held on January 29, 2019 and March 12, 2019 and decided seeking a clarification from HESCO on (a). to elaborate the observations mentioned in its letter dated December 06, 2018 that "...the Authority may not consider the case/request of FMTXIPL for interconnectivity arrangement and signing of PPA



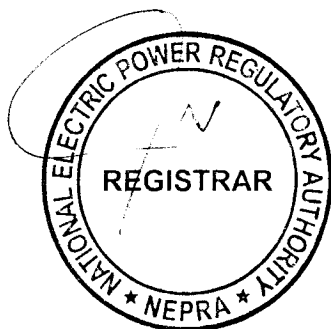
etc...”; (b). whether HESCO still intends to purchase power from the FMTXIPL as envisaged in the existing Generation Licence?

(v). In reply to the above, HESCO submitted that the word “authority” used in its letter dated December 06, 2018 was meant for its own authority rather than the Authority of NEPRA. Further, HESCO clarified that based on the recommendations of its committee, the Letter of Intent (LoI) for purchase of 12.50 MW of electric power from the generation facility of FMTXIPL has been cancelled. HESCO also stated that it is not possible to confirm whether power from FMTXIPL will be purchased or not. Further, it was also submitted that the Authority/NEPRA may decide whether to allow the LPM or otherwise.

(vi). The Authority considered the above submissions of FMTXIPL and HESCO and decided to proceed further in the matter, as stipulated in the NEPRA Licensing (Generation) Rules, 2000 (the “Generation Rules”) and the Licensing Regulations.

(E). Evaluation/Findings

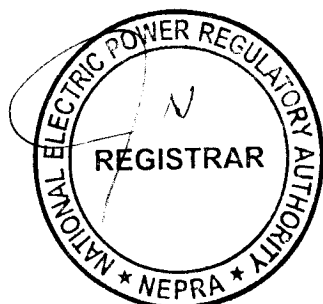
(i). The Authority examined the entire case in detail including the already granted licence, the communicated LPM, comments of stakeholders and rejoinders from the Licensee. In this regard, the Authority observed that a generation licence (No. SGC.98/2014, dated March 11, 2014) was granted to FMTXIPL through its determination No. NEPRA/R/LAG-238/2312-14, dated March 11, 2014 for setting up a generation facility with a cumulative installed capacity of 35.538 MW. According to the information provided, FMTXIPL has uptill now installed 5 x 3.332 MW of Gas Engines with cumulative capacity of 16.66 MW. According to the terms and conditions of the above mentioned Generation Licence, FMTXIPL is required to supply 12.50 MW of electric power to HESCO. Similarly, the determination of the Authority pertaining to tariff has allowed sale of any electric power to HESCO on Take and Pay basis.



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(ii). The Authority has observed that according to the communicated LPM, the company/Licensee/FMTXIPL now plans supplying to a BPC upto 4.00 MW as stipulated under Section-22 of the NEPRA Act. In this regard, the Authority in terms of Section-26 of the NEPRA Act read with Regulation-10(5) of the Licensing Regulations, is empowered to modify an existing licence of a licensee subject to and in accordance with such further changes as it 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;

(iii). In consideration of the above, the Authority observes that (a). the proposed LPM will not adversely affect the performance of the licensee of its obligations under its generation licence considering the fact it will be able to discharge its obligation towards HESCO. The LPM envisages supplying to a BPC which is not only in line with Section 22 of the NEPRA Act but will not have impact on the supply to HESCO as the Licensee has sufficient surplus available with it to serve a sister concern; (b). the LPM has not caused it 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). the LPM will be beneficial to the BPC as it will be having continuous supply of reliable electric power from the Licensee; (d). the LPM 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 BPC keeping in view the financial and technical viability of the licensee;



(F). Approval of LPM

(i). In view of the above, the Authority is satisfied that the Licensee has complied with all the requirements of the Licensing Regulations pertaining to the modification. Therefore, the Authority in terms Section-26 of the NEPRA Act read with Regulation-10(11) of the Licensing Regulations approves the communicated LPM without any changes, allowing FMTXIPL to supply electric power to a BPC in the name of HIPGIPL.

(ii). Accordingly, the Generation Licence (No. SGC/98/2014, dated on March 11, 2014) granted to FMTXIPL is hereby modified. The changes made in the generation licence are attached as annexure to this determination. The approval of the LPM is subject to the provisions contained in the NEPRA Act, relevant rules framed there under, terms & conditions of the generation licence and other applicable documents.

Authority

Rafique Ahmed Shaikh
(Member)

Rafique Ahmed Shaikh
26/12/19

Rehmatullah Baloch
(Member)

Rehmatullah Baloch
26/12/19

Saif Ullah Chattha
(Member)

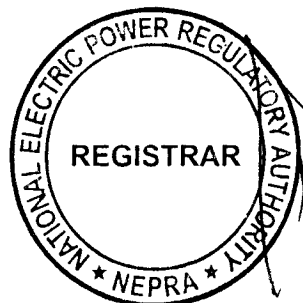
(Did not Attend)

Engr. Bahadur Shah
(Member/Vice Chairman)

Engr. Bahadur Shah

Tauseef H. Farooqi
(Chairman)

Tauseef H. Farooqi



27-12-19
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**National Electric Power Regulatory Authority
(NEPRA)
Islamabad – Pakistan**

GENERATION LICENCE

No. SGC/98/2014

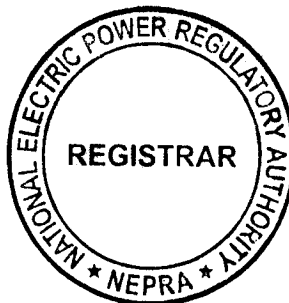
In exercise of the Powers conferred under Section-26 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997, the Authority hereby modifies the Generation Licence (No. SGC/98/2014, dated March 11, 2014) to FIMCOTEX Industries (Private) Limited, to the extent of changes mentioned hereunder:

- (a). The Changes made in Articles of the Generation Licence are attached as Revised/Modified Articles of Generation Licence;
- (b). The Changes made in Schedule-I of the Generation Licence are attached as Revised/Modified Schedule-I;
- (c). The Changes made in Schedule-II of the Generation Licence are attached as Revised/Modified Schedule-II; and
- (d). The Second Tier Supply Authorization as attached.

This Modification-I is given under my hand on this 27th day of

December Two Thousand & Nineteen


Registrar









Article-1 Definitions

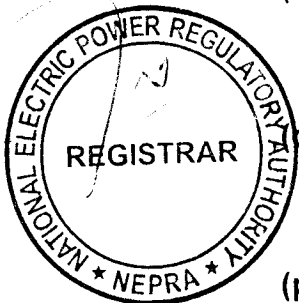
1.1 In this licence

- (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/Thermal Power Plant of the Licensee on which the electric power from all the generators is collected for supplying to the Power



Purchaser or BPC;

- (g). "Commercial Code" means the National Electric Power Regulatory Authority (Market Operator, Registration, Standards and Procedure) Rules, 2015 as amended or replaced from time to time;
- (h). "Commercial Operations Date (COD)" means the day immediately following the date on which the generation facility/Thermal Power Plant of the Licensee is commissioned;
- (i). "CPPA-G" means Central Power Purchasing Agency (Guarantee) Limited or any other entity created for the like purpose to function as market operator;
- (j). "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;
- (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). "HESCO" means Hyderabad Electric Supply Company Limited and its successors or permitted assigns;
- (n). "IEC" means "the International Electrotechnical Commission and its successors or permitted assigns;
- (o). "IEEE" means the Institute of Electrical and Electronics Engineers and its successors or permitted assigns;
- (p). "Law" means the Act, relevant rules and regulations made there under and all the Applicable Documents;



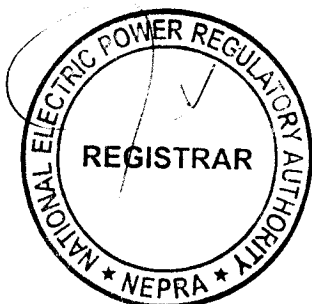
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- (q). "Licensee" means FIMCOTEX Industries (Private) Limited and its successors or permitted assigns;
- (r). "Licensing Regulations" mean the National Electric Power Regulatory Authority Licensing (Application & Modification Procedure) Regulations, 1999 as amended or replaced from time to time;
- (s). "NTDC" means National Transmission and Despatch Company Limited and its successors or permitted assigns;
- (t). "Power Purchaser" means CPPA-G on behalf of all XW-DISCOs or any individual XW-DISCO or any BPC which purchases electricity from the Licensee, pursuant to a PPA for procurement of electricity;
- (u). "Power Purchase Agreement (PPA)" means the power purchase agreement, entered or to be entered into by and between the Power Purchaser and the Licensee, for the purchase of electric power generated by the generation facility/Thermal Power Plant of the Licensee, as may be amended by the parties thereto from time to time;
- (v). "Thermal Power Plant" means a generation facility for production electric power using fossil fuel;
- (w). "XW DISCO" means "an Ex-WAPDA distribution company engaged in the distribution of electric power.

1.2 The words and expressions used but not defined herein bear the meaning given thereto in the Act or Generation Rules and Licensing Regulations issued under the Act.


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Article-2 **Applicability of Law**

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

Article-3 **Generation Facilities**

3.1 The location, size (MW), technology, interconnection arrangements, technical limits, technical functional specifications and other details specific to the generation facility/Thermal Power Plant of the Licensee are set out in Schedule-I of this licence.

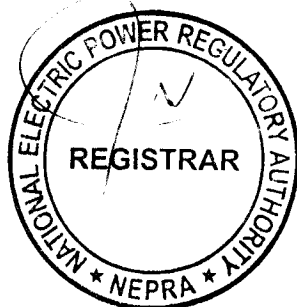
3.2 The installed/ISO capacity (MW), the de-rated capacity (MW), the auxiliary consumption (MW) and the net capacity (MW) of the generation facility/Thermal Power Plant of the Licensee is set out in Schedule-II hereto this licence.

3.3 The Licensee shall provide the final arrangement, technical and financial specifications and other specific details pertaining to its generation facility/Thermal Power Plant before its COD.

Article-4 **Term of Licence**

4.1 This licence is effective from the original date of its issuance i.e. March 11, 2014 and has the term of twenty-five (25) years from the COD of the generation facility subject to the provisions of Section-14B of the Act.

4.2 However, unless suspended or revoked earlier or Licence ceases to have effect, the Licensee may apply for renewal of this licence ninety (90) days prior to the expiry of the above term, as stipulated in Generation Rules read with the Licensing Regulations.



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 as amended or replaced from time to time.

Article-6 **Tariff**

6.1 The Licensee shall charge CPPA-G or XW-DISCO only such tariff which has been determined, approved or specified by the Authority in terms of Rule-6 of the Rules.

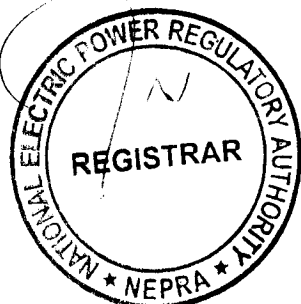
6.2 The Licensee is allowed to charge its BPC a mutually agreed tariff in a competitive trading arrangement.

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 (Generation) Rules 2009 as amended or replaced from time to time.

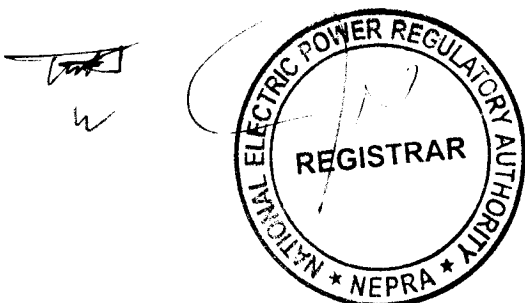
Article-10 **Compliance with Environmental & Safety Standards**

10.1 The generation facility/Thermal Power Plant of the Licensee shall comply with the environmental and safety standards as may be prescribed by the relevant competent authority 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/Thermal Power Plant is in line with environmental standards as prescribed by the relevant competent authority.

Article-11 **Power off take Point and Voltage**

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



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Article-12
Provision of Information

12.1 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.

12.2 The Licensee shall be subject to such penalties as may be specified in the relevant rules made by the Authority for failure to furnish such information as may be required from time to time by the Authority and which is or ought to be or have been in the control or possession of the Licensee.

Article-13
Design & Manufacturing Standards

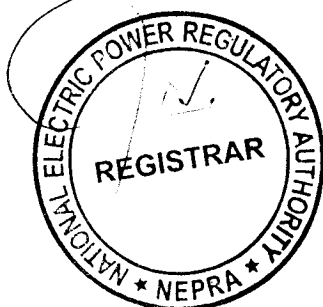
The generation facility of the Licensee shall be designed, manufactured and tested according to the latest IEC standards or other equivalent standards. All plant and equipment shall be un-used/brand new and of relevant

Article-14
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.

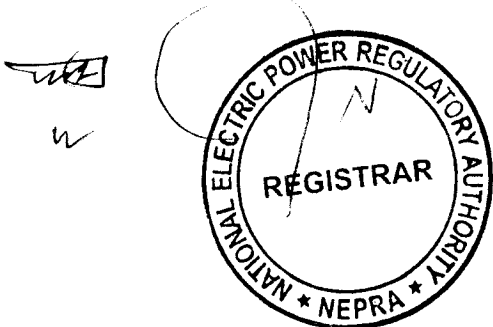
Article-15
Corporate Social Responsibility

The Licensee shall provide the descriptive as well as monetary disclosure of its activities pertaining to corporate social responsibility (CSR) on an annual basis.

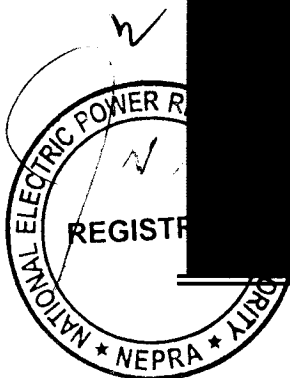


Revised/Modified
SCHEDULE-I

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 are described in this Schedule.

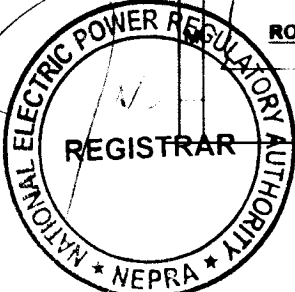
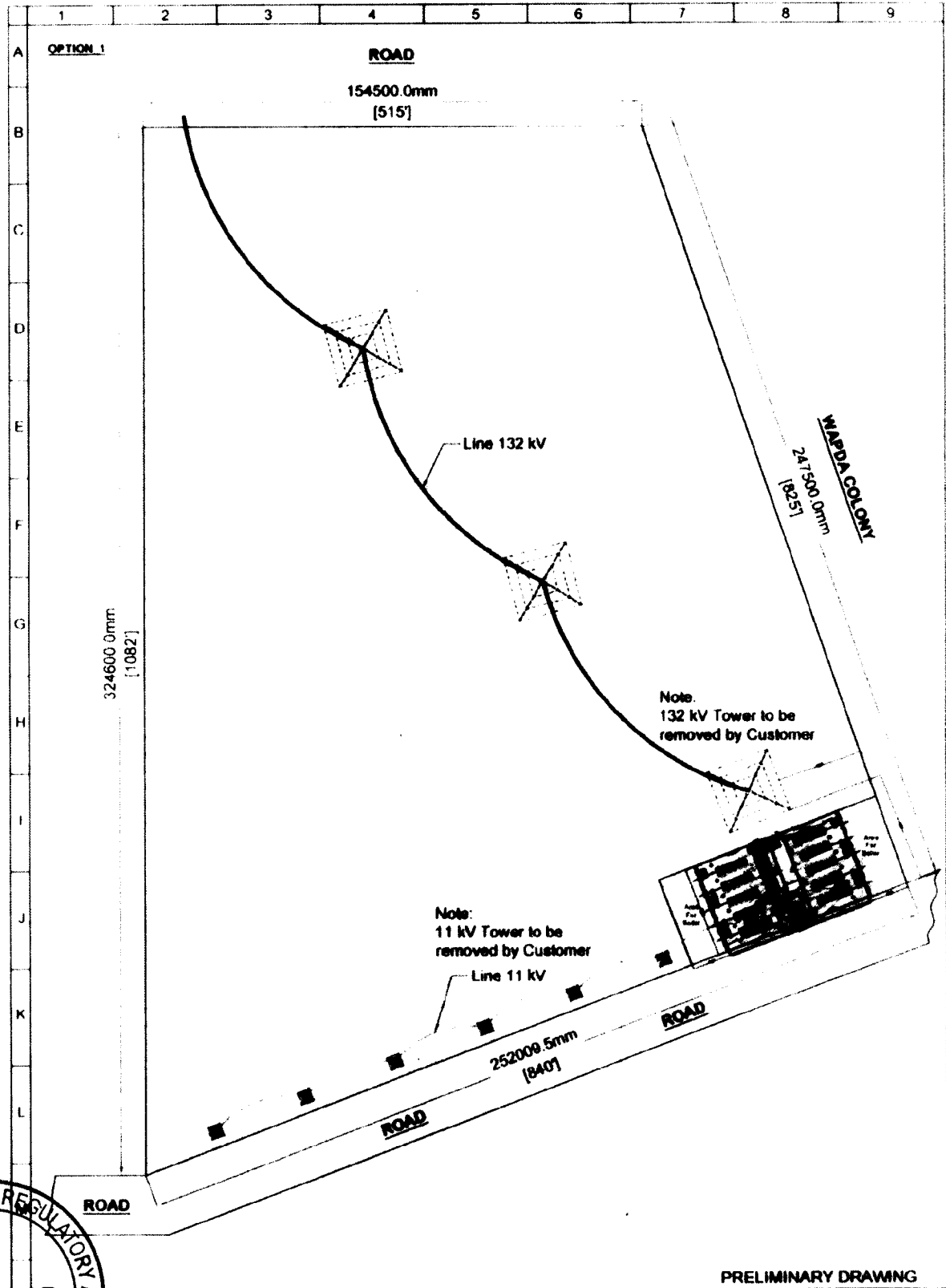


**Location of the
Generation Facility/Thermal Power Plant
of the Licensee**



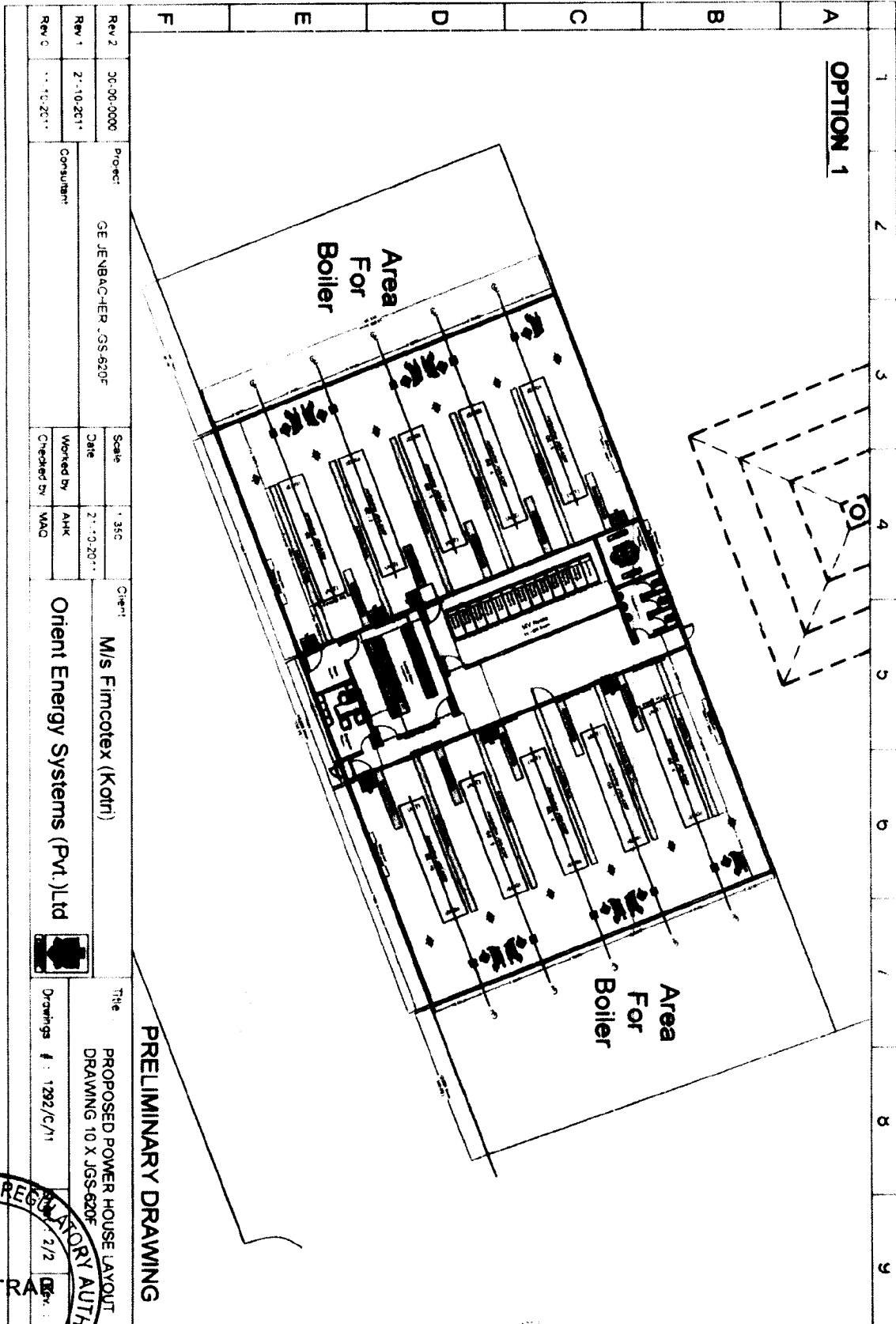
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Location of the Generation Facility/Thermal Power Plant of the Licensee



120

Layout of the Generation Facility/Thermal Power Plant of the Licensee

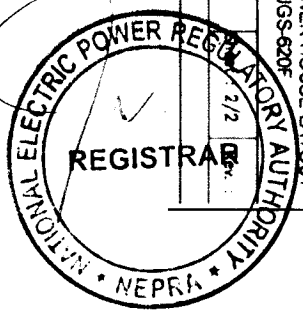


Rev 2	30-09-2008	Project	GE JENBACHER JGS-620F	Scale	1:350	Client	M/s Fimcotex (Kotri)
Rev 1	27-10-2011	Date	27-10-2011	Worked By	AHK	Orient Energy Systems (Pvt.) Ltd	
Rev 0	11-10-2011	Checked By	MAC				

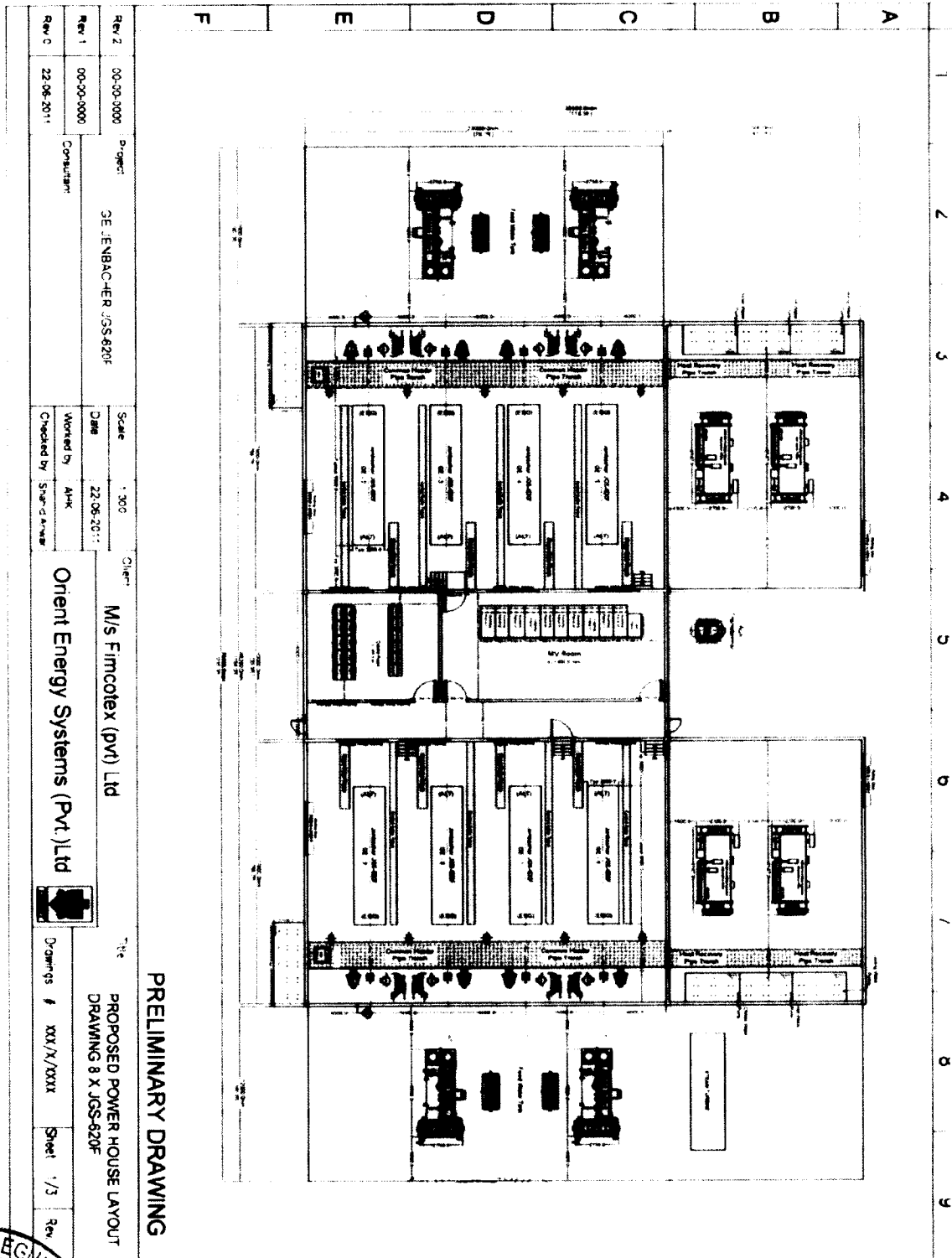
PRELIMINARY DRAWING

The PROPOSED POWER HOUSE LAYOUT
 DRAWING 10 X JGS-620F

Drawings # : 1292/C/11

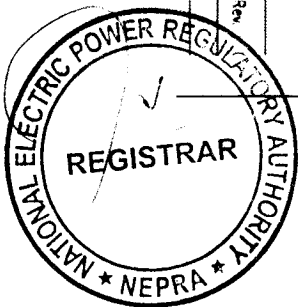


Layout of the Generation Facility/Thermal Power Plant of the Licensee



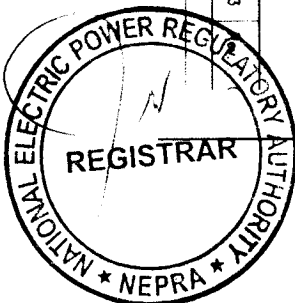
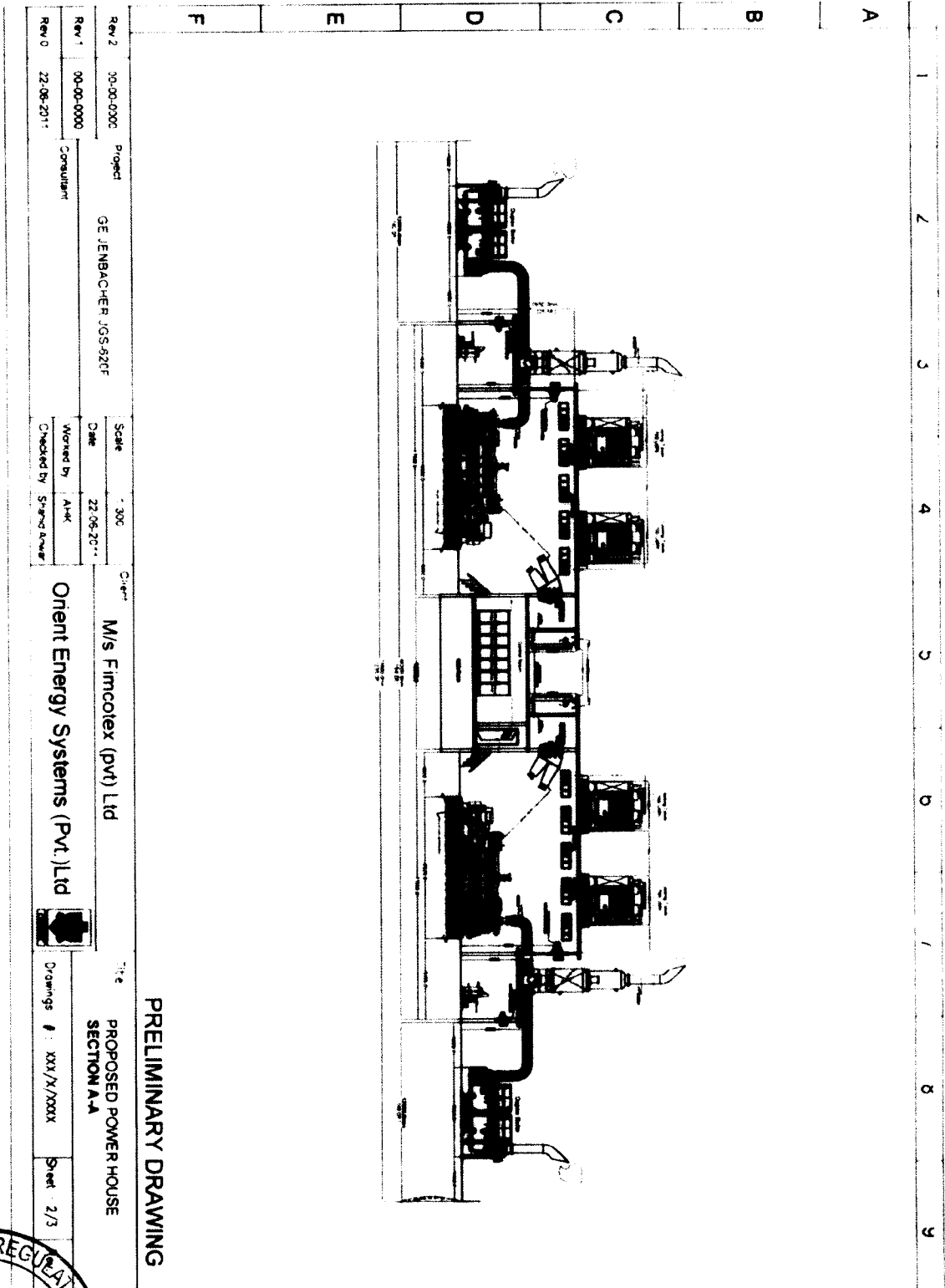
PRELIMINARY DRAWING

Rev 2	00-00-0000	Project	GE JENBACHER JGS-620F	Scale	1:300	Client	M/S Fimcotex (pvt) Ltd
Rev 1	00-00-0000	Drawn	22-08-2011	Worked by	Amir	The	PROPOSED POWER HOUSE LAYOUT
Rev 0	22-08-2011	Checked by	Shahid Amir			Drawing #	XXX/X/XXXX
		Consultant				Sheet	1/3
		Orient Energy Systems (Pvt.) Ltd				Rev	



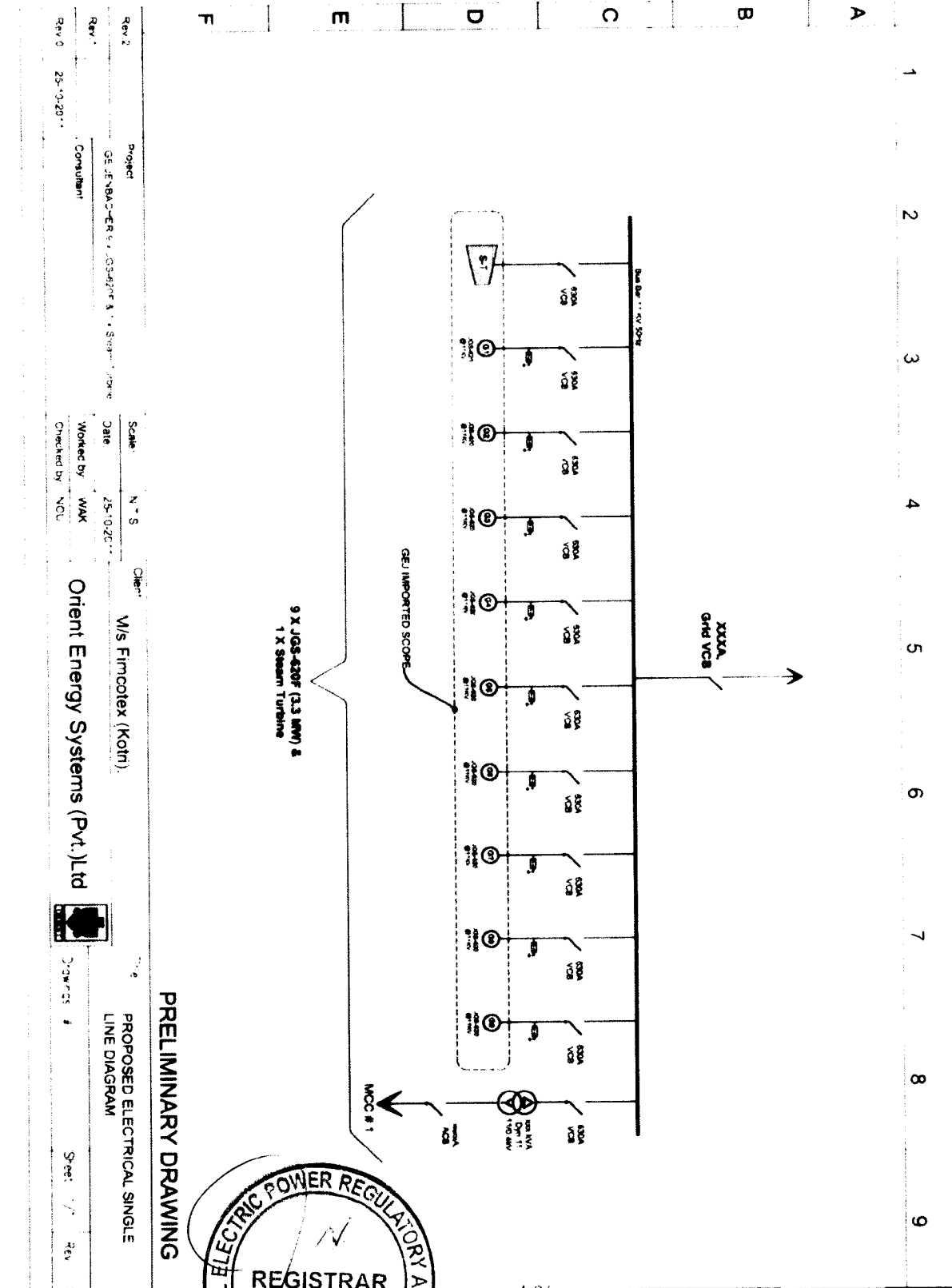
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Schematic Layout of the Generation Facility/Thermal Power Plant of the Licensee

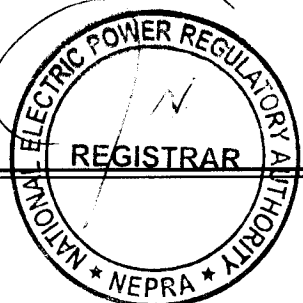


21

Singleline Diagram of the Generation Facility/Thermal Power Plant of the Licensee



Rev 2 Project GE JENBAC-ER & OSAPOR & Steam Turbine
 Consultant
 Scale N = S
 Date 25-10-2011
 Chief Engineer
 W/S Fimcotex (Kotri)
 Orient Energy Systems (Pvt.) Ltd
 Proposed Electrical Single Line Diagram
 Checked by NCU
 Worked by WAK
 Sheet 1 of 1
 Rev 1



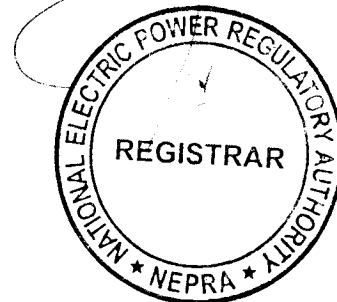
Interconnection Arrangement/Transmission Facilities for Dispersal of Power From the Generation Facility/Co- Generation Power Plant

The Power generated by FIMCOTEX Industries (Private) Limited (FTXIPL) from its Natural Gas based Thermal Generation Facility shall be dispersed to the Load Center of Hyderabad Electric Supply Company Limited (HESCO) as well as to a Bulk Power Consumer (BPC¹).

(2). The Interconnection Facilities (IF)/Transmission Arrangement (TA) for HESCO from the above mentioned facilities will be at 11 KV voltage connecting the generation facility of FTXIPL to 132 KV Grid Station of SITE Kotri through overhead feeder(s).

(3). The Interconnection Facilities (IF)/Transmission Arrangements (TA) for supplying to BPCs from the above mentioned generation facility shall be at 11 kV level as described in the subsequent details given in this Schedule.

(4). Any change in the above Interconnection Arrangement/Transmission Facilities as agreed by FTXIPL and HESCO shall be communicated to the Authority in due course of time.



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¹ The details of the pertaining to BPCs, supply arrangement and other relating information is provided in the subsequent description of this Schedule-I

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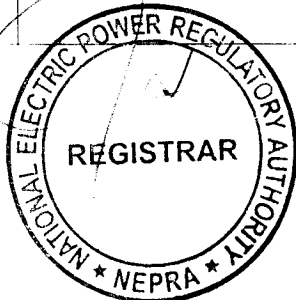
Detail of
Generation Facility/Co-Generation
Power Plant

(A). General Information

(i).	Name of Licensee/ Company	FIMCOTEX Industries (Private) Limited
(ii).	Registered /Business Office of the Licensee	1 st Floor, Fortune Centre, Shakra-e-Faisal, Karachi in the province of Sindh
(iii).	Location of the generation facility	SITE Kotri, Taluka Kotri, district Jamshoro in the province of Sindh.
(iv).	Type of the generation facility	Thermal Generation

(B). Plant Configuration

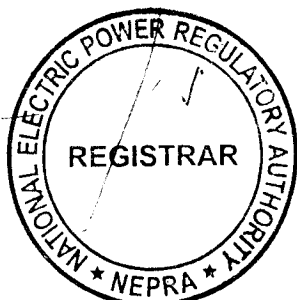
(i).	Size/Installed Capacity of the generation facility	35.538 MW	
(ii).	Type of Technology	Combined Cycle Power Plant/CCPP (with Gas Engines, Heat Recovery Steam Generators and Steam Turbines)	
(iii).	Construction Phases	Phase-I	Phase-II
		4 x 3.332 MW Gas Engines + 3 x 0.95 MW Gas Engines	5 x 3.332 MW Gas Engines + 1 x 2.7 MW Steam Turbine
(iii).	Number of Units/Size (MW)	Gas Engines	Steam Turbine
		4 x 3.332 MW + 3 x 0.95 MW + 5 x 3.332 MW	1 x 2.7 MW



		Gas Engines	Steam Turbine
(iv).	Unit Make/ Model & Year of Manufacture	General Electric Jenbacher/JGS 620F/320 Gs — N.L F01	General Electric/Harbin Electric China/Siemens/ Equivalent
(v).	Commercial Operation Date (COD) of the generation facility	Phase-I	Phase-II
		December 31, 2014	April 30, 2015
(vi).	Minimum Expected Useful Life of the generation facility from the date of issuance of this Modification	25-30 Years	25-30 Years

(C). Fuel Details

(i).	Primary Fuel	Natural Gas (Pipeline Quality)
(ii).	Alternative Fuel	Not Applicable (N/A)
(iii).	Start-Up Fuel	Same as Main fuel
(iv).	Fuel Source (Imported/Indigenous)	Indigenous
(v).	Fuel Supplier	Sui Southern Gas Company Limited
(vi).	Supply Agreement	Through Pipeline



(D). Emission Values

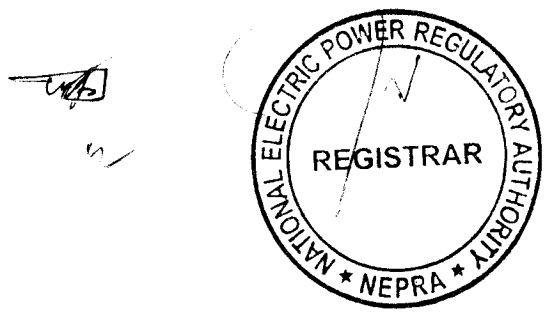
(i).	SO _x (mg/Nm ³)	0.00 mg/Nm ³
(ii).	NO _x (mg/Nm ³)	200 mg/Nm ³
(iv).	CO (mg/Nm ³)	500 mg/Nm ³
(v).	PM ₁₀ (mg/Nm ³)	10 mg/Nm ³

(E). Cooling System

(i).	Cooling Water Source/Cycle	Tube Wells installed at Site/Closed Loop
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(F). Plant Characteristics

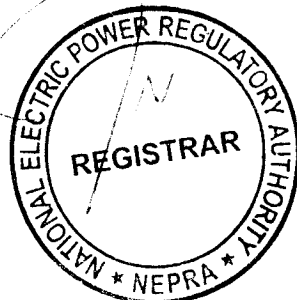
(i).	Generation Voltage	11.0 KV
(ii).	Frequency	50 Hz
(iii).	Power Factor	0.80 Lagging
(iv).	Automatic Generation Control (AGC)	NA
(v).	Ramping Rate	9.8 KW/Sec
(vi).	Time required to Synchronize to Grid and loading the complex to full load.	131 Sec



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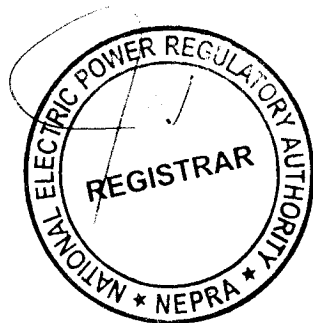
Information Regarding
Bulk Power Consumer(s)/BPCs to be Supplied By the Licensee
[i.e. FIMCOTEX Industries (Private) Limited]

(a).	No. of Consumers	One (01)	
(b).	Location of consumers (distance and/or identity of premises)	Hyder IPG Industrial Parks Limited- HIPGIPL, SITE Kotri, Taluka Kotri, District Jamshoro.	
(c).	Contracted Capacity and Load Factor for consumer	04.0 MW/65%-75.00%	
(d).	Specify Whether		
	(i).	The consumer is an Associate undertaking of the Licensee-If yes, specify percentage ownership of equity;	Yes/25% shares only
	(ii).	There are common directorships:	Yes/One director is common holding 25% of the equity in the BPC
	(iii).	Either can exercise influence or control over the other.	No
(e).	Specify nature of contractual Relationship		
	(i).	Between each consumer and the Licensee.	Supply of electric power through a Bi-lateral PPA
	(ii).	Consumer and DISCO/HESCO.	No.
(f).	Any other network information deemed relevant for disclosure to or consideration of the Authority.	N/A	



Revised/Modified
SCHEDULE-II

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



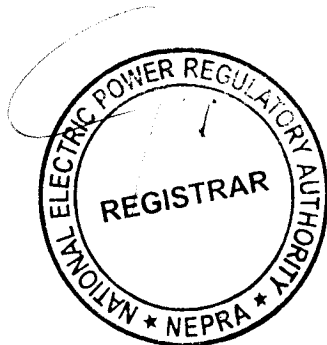
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SCHEDULE-II

(1).	Total Installed Gross Capacity of Generation Facility (4 x 3.332 MW Gas Engines + 3 x 0.95 MW Gas Engines 5 x 3.332 MW Gas Engines + 1 x 2.7 MW Steam Turbine)	35.538 MW
(2).	Total Installed De-Rated Capacity of Generation Facility at Mean Site Condition (4 x 3.332 MW Gas Engines + 3 x 0.95 MW Gas Engines 5 x 3.332 MW Gas Engines + 1 x 2.7 MW Steam Turbine)	35.538 MW
(3).	Total Auxiliary Consumption of Generation Facility (4 x 0.1 MW Gas Engines + 3 x 0.05 MW Gas Engines 5 x 0.1 MW Gas Engines + 1 x 0.50 MW Steam Turbine)	01.550 MW
(4).	Total Installed Net Capacity of Generation Facility at Mean Site Condition (4 x 3.232 MW Gas Engines + 3 x 0.90 MW Gas Engines 5 x 3.232 MW Gas Engines + 1 x 2.2 MW Steam Turbine)	33.988 MW

Note

All the above figures are indicative as provided by the Licensee. The Net Capacity available to Power Purchaser i.e. HESCO or BPC for dispatch will be determined through procedure(s) contained in the Bi-lateral Agreement(s) or any other applicable document(s).



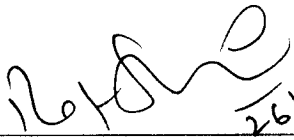
Authorization
by National Electric Power Regulatory Authority (NEPRA) to
FIMCOTEX Industries (Private) Limited

Incorporated Under Section-32 of the Companies
Ordinance 1984 (XLVII of 1984) Having Company Registration No.
0067683, dated September 23, 2008

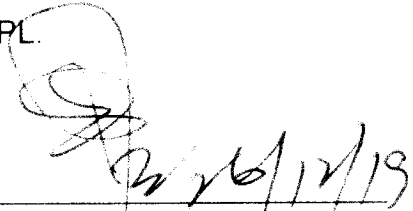
NEPRA GENERATION LICENCE No. SGC/98/2014, dated on
March 11, 2014
For Sale to Bulk Power Consumer(s)

Pursuant to Section-22 of the Act and Rule-7 of the NEPRA Licensing (Generation) Rules-2000, the Authority hereby authorize FIMCOTEX Industries (Private) Limited- FMTXIPL/(the Licensee) to engage in second-tier supply business, limited to the following consumers:-

(a). Hyder IPG Industrial Parks Limited-HIPGIPL.



26/12/19

Engr. Rafique Ahmed Shaikh
(Member)

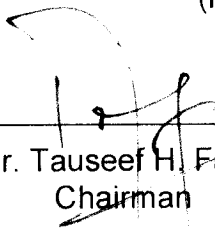

26/12/19

Engr. Rehmatullah Baloch
(Member)

Did not Attend
Saif Ullah Chattha
(Member)



Engr. Bahadur Shah
(Member)/Vice Chairman



Engr. Tauseef H. Farooqi
Chairman

