



Registrar

National Electric Power Regulatory Authority
Islamic Republic of Pakistan

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

No. NEPRA/R/LAG-247/12991-97

September 23, 2016

Mr. Abid Rasool Awan,
Manager Corporate Affairs,
Chiniot Power Limited,
91-F, Model Town, Lahore.
Ph: +92-42-35926485-89

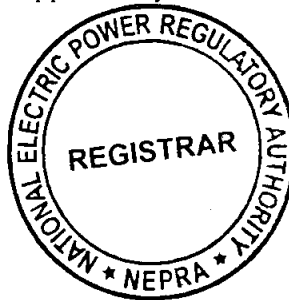
Subject: Modification-I in Generation Licence No: IGSPL/41/2014
Licence Application No. LAG-247
Chiniot Power Limited (CPL)

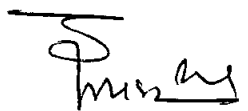
Reference: Your application vide letter No. Nil, dated 13.04.2016, received on 13.04.2016.

It is intimated that the Authority has approved "Licensee Proposed Modification" in Generation Licence No. IGSPL/41/2014 (issued on June 11, 2014) in respect of Chiniot Power Limited (CPL), pursuant to Regulation 10(11)(a) 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 CPL along with Modification-I in the Generation Licence No. IGSPL/41/2014, as approved by the Authority.

Encl:/As above




23.09.16
(Syed Safeer Hussain)

Copy to:

1. Secretary, Ministry of Water and Power, Block – A, Pak Secretariat, Islamabad.
2. Chief Executive Officer, Alternative Energy Development Board (AEDB), 2nd Floor, OPF Building, G-5/2, Islamabad.
3. Chief Executive Officer, NTDC, 414-WAPDA House, Lahore
4. Chief Operating Officer, CPPA-G, 107-WAPDA House, Lahore
5. Chief Executive Officer, Faisalabad Electric Supply Company (FESCO), Abdullahpur, Canal Bank Road, Faisalabad
6. Director General, Environment Protection Department, National Hockey Stadium, Ferozpur Road, Lahore.

National Electric Power Regulatory Authority
(NEPRA)
Determination of the Authority
in the Matter of Licensee Proposed Modification of
Chiniot Power Limited

September 19, 2016
Case No. LAG-247

(A). Background

(i). The Authority had granted a generation licence (No. IGSPL/41/2014 dated June 11, 2014) to Chiniot Power Limited (CPL) in terms of Section-15 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (the NEPRA Act).

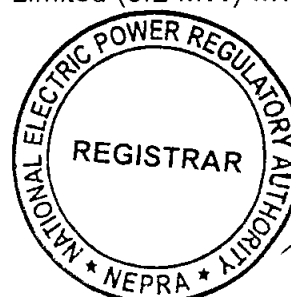
(ii). As per the licence, CPL is authorized to supply power to FESCO through CPPA-G for which the Authority has granted CPL an upfront tariff through its Determination No. NEPRA/TRF-263/CPL-2014 dated June 11, 2014.

(iii). The Authority also granted CPL a second-tier supply authorization for supplying power to a Bulk Power Consumer (BPC) in the name of Ramzan Sugar Mills Limited in terms of Section-21 of the NEPRA Act and Rule-7 of the NEPRA Licensing (Generation) Rules, 2000 (the Licensing Rules).

(B). Communication of Modification

(i). In accordance with Regulation-10 of the NEPRA Licensing (Application & Modification Procedure) Regulations, 1999 (the Licensing Regulations), CPL communicated a Licensee Proposed Modification (LPM) in its above mentioned generation licence on April 13, 2016.

(ii). In the "text of the proposed modification", CPL submitted that its existing generation licence allows supply of electricity to FESCO through CPPA-G and one (01) BPC namely Ramzan Sugar Mills Limited. However, now CPL plans to supply to four (04) additional BPCs which includes Unitas Steel (Private) Limited (10-16 MW), Crystal Plastics (Private) Limited (0.075 MW), Sharif Dairy Farms (Private) Limited (0.5 MW) and Sharif Milk Products (Private) Limited (0.2 MW) which requires



a modification in the generation licence.

(iii). Apart from supplying to the above mentioned BPCs, CPL would also continue to supply electric power to FESCO through CPPA-G by reducing the contractual capacity.

(iv). Regarding the "statement of the reasons in support of the modification" CPL stated that proposed amendment in generation licence will ensure the continuous, safe and reliable supply of electric power to the above mentioned consumers keeping in view the financial and technical viability of the licensee.

(v). Regarding the statement of "the impact on tariff", "quality of service" and "the performance by the licensee of its obligation under the licence", the licensee has informed that it has already accepted the up-front tariff for bagasse, therefore, proposed amendment will have no impact on tariff. The quality of service and the performance by the licensee of its obligation under the generation licence shall not be affected with the proposed amendment.

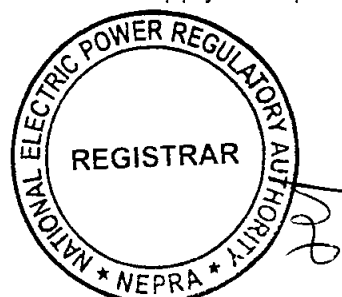
(C). Processing of LPM

(i). After completion of all the required information as stipulated under the Regulation-10(2) and 10(3) of the Licensing Regulations by CPL, the Registrar published the communicated LPM in one English and one Urdu daily newspaper on April 19, 2016, informing the general public, interested/affected parties, and other stakeholders about the said LPM as required under the Regulation-10(4) of the Licensing Regulations.

(ii). Apart from the above notice in the press, separate letters were also sent to individual experts, Government ministries/attached departments and other representative organizations etc. on April 20, 2016 inviting their views and comments for the assistance of the Authority as stipulated in Regulation-10(9) of the Licensing Regulations.

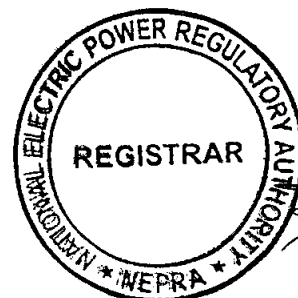
(D). Comments of Stakeholders

(i). In response to the above, the Authority received comments from five (05) stakeholders. These included Faisalabad Electric Supply Company Limited



(FESCO), Alternate Energy Development Board (AEDB), Central Power Purchasing Agency (Guarantee) Limited (CPPA-G), National Transmission & Despatch Company Limited (NTDC) and Ministry of Water & Power. The salient points of the comments offered by the above mentioned stakeholders are summarized in the following paragraphs: -

- (a). FESCO commented that it has no reservation on the proposed LPM however, FESCO has pointed out that Ramzan Sugar Mills Limited, Sharif Dairy Farms (Private) Limited and Sharif Milk Products (Private) Limited are its consumers and the same cannot retain dual supply of electricity from FESCO and CPL;
- (b). AEDB expressed its no objection on the proposed modification subject to the conditions that it should not affect the terms and conditions under the already executed Energy Purchase Agreement (EPA) and Implementation Agreement (IA);
- (c). CPPA-G opposed the proposed LPM stating that under Clause-2.9 of the EPA, CPL is restricted for supplying electricity to CPPA-G and Ramzan Sugar Mills Limited only. Therefore, it cannot supply to other BPCs. In view of the said, CPPA-G requested that the said LPM may not be accepted;
- (d). NTDC commented that the communicated LPM has indicated the load of proposed BPCs as 16000 kW/hr, 75 kW/hr, 500 kW/hr and 200 kW/hr whereas load of an electricity consumer cannot be defined in terms of kW/hr; and
- (e). Ministry of Water & Power submitted that the Authority may process the application as per provisions of NEPRA Act and policy guidelines of Government of Pakistan keeping in view the generated power and its optimum dispatch/consumption.



(ii). The Authority examined the above mentioned comments of the stakeholders and found that comments of AEDB and Ministry of Water & Power are in favor of LPM of CPL whereas CPPA-G, NTDC & FESCO have raised certain queries/objections on the proposed modification. Therefore, it was considered appropriate seeking perspective of CPL on the observations of CPPA-G, NTDC and FESCO.

(iii). In response to the comments of CPPA-G, CPL clarified that referred clause i.e. clause 2.9 of EPA is descriptive in nature and does not place any embargo on proposed amendment in its generation licence. CPL further submitted that the EPA will be amended after inclusion of new BPCs in the generation licence through mutual consultation with the CPPA-G.

(iv). The submissions of CPL were sent to CPPA-G for its further comments in the matter. In this regard, CPPA-G submitted that it has no reservations for the proposed modification in the generation licence of CPL however FESCO would also be invited for negotiations to put any legitimate compensation claim regarding cost of interconnection scheme.

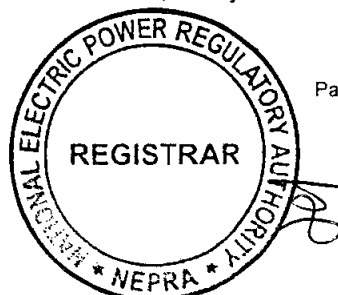
(v). On the observation of FESCO regarding legality of retaining dual supply by a BPC, CPL has clarified that while supplying electricity to its proposed BPCs, it will comply with the relevant legal provisions.

(vi). Regarding comments of NTDC, CPL clarified that the sanctioned load of its four (04) proposed BPCs is 16.00 MW, 0.075 MW, 0.5 MW and 0.2 MW. The clarification submitted by CPL was forwarded to NTDC for further comments. In response to the said, NTDC submitted that it has no further comments in the matter.

(vii). The Authority considered the above comments of the stakeholders and the reply of CPL and found the same adequate. In view of the above clarifications, the Authority considered it appropriate to process the communicated LPM of CPL as stipulated in the NEPRA Licensing Rules and the Regulations.

(E). Approval of LPM

(i). In terms of Regulation-10(5) of the Licensing Regulations, the Authority is empowered to modify a licence in accordance with the LPM, subject to and in

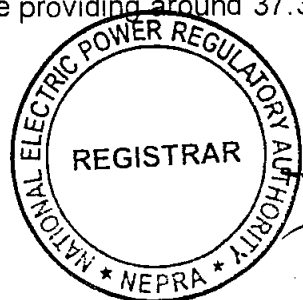


accordance with such further changes as the Authority may deem fit, if in the opinion of the Authority such modification (a). does not adversely affect the performance by the licensee of its obligations; (b). does not cause the Authority to act or acquiesce in any act or omission of the licensee in a manner contrary to the provisions of the NEPRA Act or the rules or regulations made pursuant to it; (c). is or is likely to be beneficial to the consumers, (d). is reasonably necessary for the licensee to effectively and efficiently perform its obligations under the licence; and (e). is reasonably necessary to ensure the continuous, safe and reliable supply of electric power to the consumers keeping in view the financial and technical viability of the licensee.

(ii). As explained at Para (A) above, the Authority granted CPL a generation licence No. IGSPL/41/2014 dated June 11, 2014 with an installed capacity of 62.4 MW for its generation facility/power plant located at 26 KM Chiniot-Jhang Road, Tehsil and District Chiniot, in the province of Punjab. The Authority had allowed CPL second-tier supply authorization for supplying power to Ramzan Sugar Mills Limited (RSML). The Authority also allowed CPL to supply electric power to FESCO through CPPA-G.

(iii). The communicated LPM of CPL pertains to addition of four new BPCs in the name of (i). Unitas Steel (Private) Limited; (ii). Sharif Dairy Farms (Private) Limited; (iii). Sharif Milk Products (Private) Limited and (iv). Crystal Plastics (Private) Limited (having cumulative capacity of 16.775 MW) without increasing the installed capacity. According to the information provided by CPL, all the BPCs are located on private property in the close vicinity of CPL without involving property of any third party.

✓
(iv). Apart from supplying to the above mentioned BPCs, CPL would also continue to supply electric power to FESCO through CPPA-G by reducing the contractual capacity. Currently, CPL is supplying to Ramzan Sugar Mills Limited around 15.00 MW in the crushing season. Whereas in the off-season time the supply of electric power is restricted to 3.00 MW. Accordingly, CPL during the crushing season is supplying to FESCO around 39.50 MW whereas in the non-crushing season it is providing around 54.10 MW. After addition of four (04) new BPCs having cumulative capacity of 16.775 MW, CPL would supply 22.725 MW of electric power to FESCO during crushing season whereas it would be providing around 37.325 MW



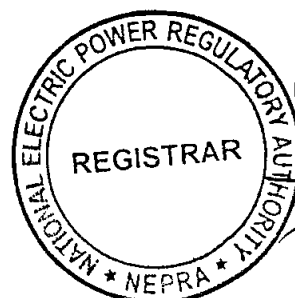
in the non-crushing time. It is also observed that EPA will be amended accordingly and CPPA-G has shown positive response and supported this LPM for addition of four (04) new BPCs. In order to supply to Unitas Steel (Private) Limited, CPL plans laying additional one (01) feeder of 1 KM length whereas the other three (03) new BPCs would be fed from already existing 11 KV feeder without crossing any public property.

(v). In accordance with Rule-6 of the Rules, the CPL 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 CPL and its proposed BPCs, the same will not affect any other consumer or third party. Therefore for the purpose of tariff, the Authority considers it appropriate directing CPL and its proposed BPCs agreeing to a bilateral agreement and submitting the same to Authority for approval and record. Accordingly, CPL will then be allowed to charge the agreed tariff subsequent to the approval of the LPM in the generation licence, in accordance with Rule-6(1)(b) of the Licensing Rules.

(vi). The Authority is well aware of the fact that presently there is acute 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 CPL of adding four new BPCs is plausible.

(vii). It is observed that proposed load of new BPCs of CPL is 0.5 MW, 0.2 MW, 0.075 and 16 MW. In this regard, it is clarified that a BPC is 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 determine and the Authority may determine different amounts and voltage levels and with such other characteristics for different areas. Therefore for the purpose of supply of electric power, the Authority considers the above mentioned consumers as BPCs of CPL.

(viii). In view of the above, the Authority in terms of Regulation 10(11)(a) of the Licensing Regulations hereby approves the communicated LPM in the



generation licence of CPL for addition of four new BPCs. Accordingly, the already granted generation licence (No. IGSPL/41/2014 dated June 11, 2014) in the name of CPL is hereby modified.

(ix). The changes in "Face Sheet", "Articles of the Generation Licence", "Schedule-I", "Schedule-II" and "Second Tier Supply Authorization" 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.

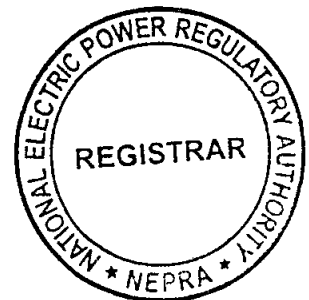
Authority

Maj. (R) Haroon Rashid
(Member)

Syed Masood-ul-Hassan Naqvi
(Member)

Himayat Ullah Khan
(Member)/Vice Chairman

Brig. (R) Tariq Saddozai
Chairman



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

GENERATION LICENCE

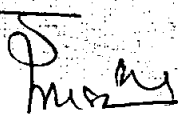
No. IGSPL/41/2014

In exercise of the powers conferred upon the National Electric Power Regulatory Authority (NEPRA) under Section-26 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997, the Authority hereby modifies the Generation Licence granted to **CHINIOT POWER LIMITED** (issued on June 11, 2014 and expiring on June 30, 2045), to the extent of changes mentioned as here under:-

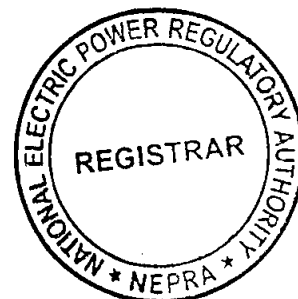
- (i). **Changes in Articles** of the Generation Licence attached as **Revised/Modified Articles** of the Generation Licence;
- (ii). **Changes in Schedule-I** attached as **Revised/Modified Schedule-I**;
- (iii). **Changes in Schedule-II** attached as **Revised/Modified Schedule-II**; and
- (iv). **Changes in Second Tier Supply Authorization** attached as **Amended/Revised Second Tier Supply Authorization**.

This **Modification-I** is given under my hand on 23rd day of **September**

Two Thousand & Sixteen.


23.09.16

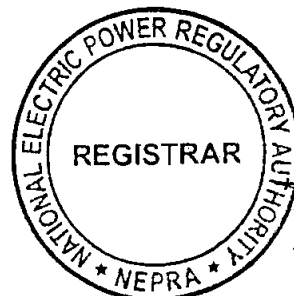
Registrar



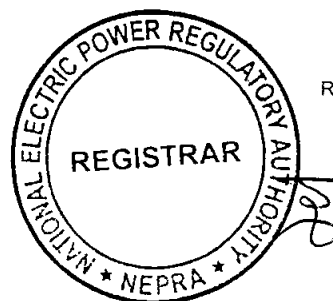
Article-1
Definitions

1.1 In this Licence

- (a). "Act" means "the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997";
- (b). "Applicable Documents" have the same meaning as defined in the Rules;
- (c). "Authority" means "the National Electric Power Regulatory Authority constituted under Section-3 of the Act";
- (d). "Bulk Power Consumer" means a consumer who purchases or receives electric power, at one premises, in an amount of one megawatt or more or in such other amount and voltage level and with such other characteristics as the Authority may determine and the Authority may determine different amounts and voltage levels and with such other characteristics for different areas;
- (e). "Bus Bar" means a system of conductors in the generation facility of the Licensee on which the electric power of all the generators is collected for supplying to the Power Purchaser;
- (f). "Carbon Credits" mean the amount of carbon dioxide (CO₂) and other greenhouse gases not produced as a result of generation of energy by the generation facility and other environmental air quality credits and related emissions reduction credits or benefits (economic or otherwise) related to the generation of energy by the generation facility, which are available or can be obtained in relation to the generation facility after the COD;
- (g). "Commercial Operations Date (COD)" means the day immediately following the date on which the generation facility of the Licensee is Commissioned;



- (h). "CPPA-G" means the Central Power Purchasing Agency (Guarantee) Limited or any other entity created for the like purpose;
- (i). "Energy Purchase Agreement" means the energy purchase agreement, entered or to be entered into by and between the Power Purchaser and the Licensee, for the purchase and sale of electric energy generated by the generation facility, as may be amended by the parties thereto from time to time;
- (j). "FESCO" means Faisalabad Electric Supply Company Limited and its successors or permitted assigns;
- (k). "Grid Code" means the grid code prepared by NTDC and approved by the Authority, as it may be revised from time to time by NTDC with any necessary approval by the Authority;
- (l). "IEC" means "the International Electro-technical Commission and its successors or permitted assigns;
- (m). "IEEE" means the Institute of Electrical and Electronics Engineers and its successors or permitted assigns;
- (n). "Law" means the Act, relevant rules and regulations made there under and all the Applicable Documents;
- (o). "Licensee" means **Chiniot Power Limited** and its successors or permitted assigns;
- (p). "NTDC" means National Transmission and Despatch Company Limited and its successors or permitted assigns;
- (q). "Policy" means "the Policy for Development of Renewable Energy for Power Generation, 2006" of Government of Pakistan as amended from time to time;



- (r). "Power Purchaser" means the CPPA-G on behalf of XW-DISCOs or any XW-DISCO which purchases electricity from the Licensee, pursuant to an Energy Purchase Agreement for procurement of electricity;
- (s). "Power Purchase Agreement" means the power purchase agreement, entered or to be entered into by and between the Bulk Power Consumer and the Licensee, for the purchase of electric power/energy generated by the generation facility of the Licensee, as may be amended by the parties thereto from time to time;
- (t). "Regulations" mean "the National Electric Power Regulatory Authority Licensing (Application & Modification Procedure) Regulations, 1999 as amended or replaced from time to time";
- (u). "Rules" mean "the National Electric Power Regulatory Authority Licensing (Generation) Rules, 2000";
- (v). "XW-DISCO" means "an Ex-WAPDA distribution company engaged in the distribution of electric power";

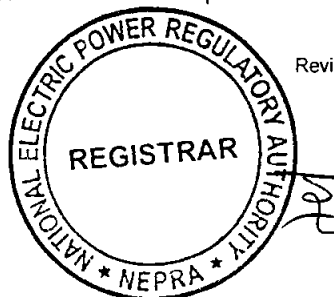
1.2 Words and expressions used but not defined herein bear the meaning given thereto in the Act or Rules and Regulations issued under the Act.

Article-2
Applicability of Law

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

Article-3
Generation Facilities

3.1 The location, size (capacity in MW), technology, interconnection arrangements, technical limits, technical and functional specifications and other



details specific to the generation facility of the Licensee are set out in Schedule-I of this Licence.

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

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

Article-4 **Term of Licence**

4.1 The Licence is granted for a term of thirty (30) years from the COD of the generation facility.

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

Article-5 **Licence fee**

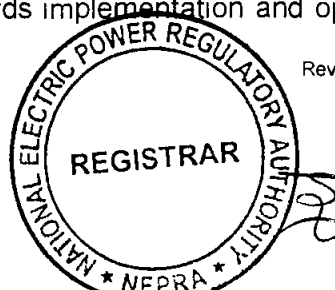
After the grant of the Generation Licence, the Licensee shall pay to the Authority the Licence fee, in the amount, manner and at the time set out in the National Electric Power Regulatory Authority (Fees) Rules, 2002.

Article-6 **Tariff**

The Licensee shall charge only such tariff which has been determined, approved or specified by the Authority.

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. 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.

7.2 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

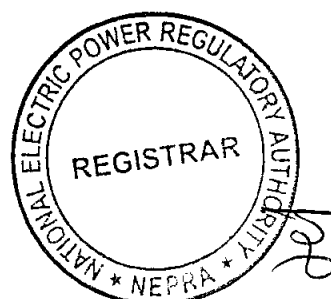
For the purpose of sub-rule (1) of Rule 19 of the Rules, copies of records and data shall be retained in standard and electronic form and all such records and data shall, subject to just claims of confidentiality, be accessible by authorized officers of the Authority.

Article-9
Compliance with Performance Standards

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

Article-10
Compliance with Environmental Standards

The Licensee shall comply with the environmental standards as may be prescribed by the relevant competent authority from time to time.



Article-11
Power off take Point and Voltage

The Licensee shall deliver electric power to the Power Purchaser at the outgoing Bus Bar of its generation facility. The up-gradation (step up) of generation voltage up to 132 KV will be the responsibility of the Licensee.

Article-12
Provision of Information

12.1 The obligation of the Licensee to provide information to the Authority shall be in accordance with Section 44 of the Act.

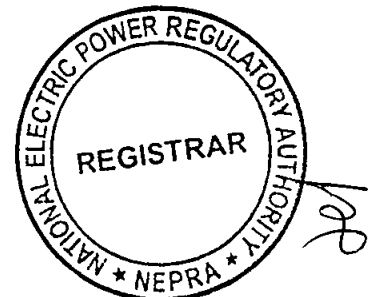
12.2 The Licensee shall be subject to such penalties as may be specified in the relevant rules made by the Authority for failure to furnish such information as may be required from time to time by the Authority and which is or ought to be or has been in the control or possession of the Licensee.

Article-13
Carbon Credits

The Licensee shall process and obtain Carbon Credits expeditiously and credit the proceeds to the Power Purchaser as per the Policy.

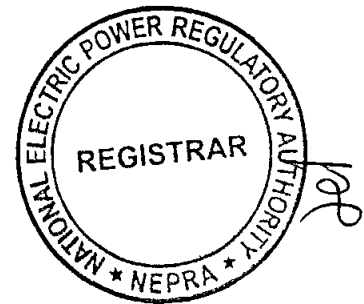
Article-14
Design & Manufacturing Standards

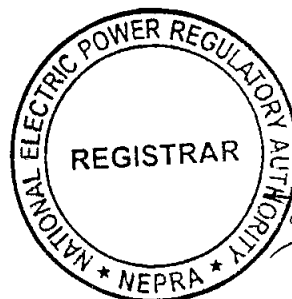
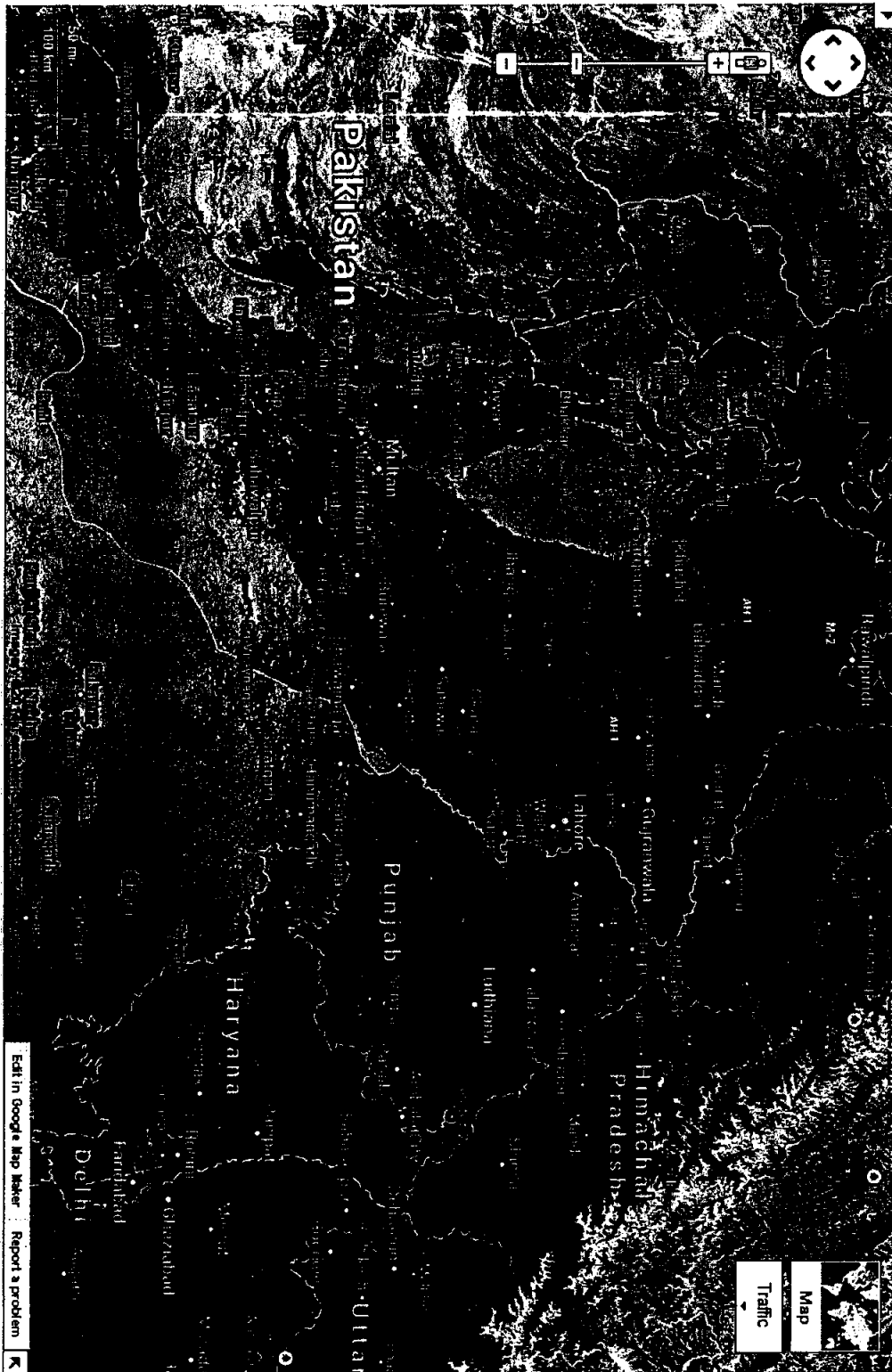
The generation facilities of the Licensee shall be designed, manufactured and tested according to the latest IEC standards or other equivalent standards. All plant and equipment shall be un-used/brand new and of relevant IEC/IEEE standard.

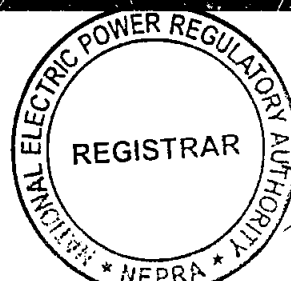
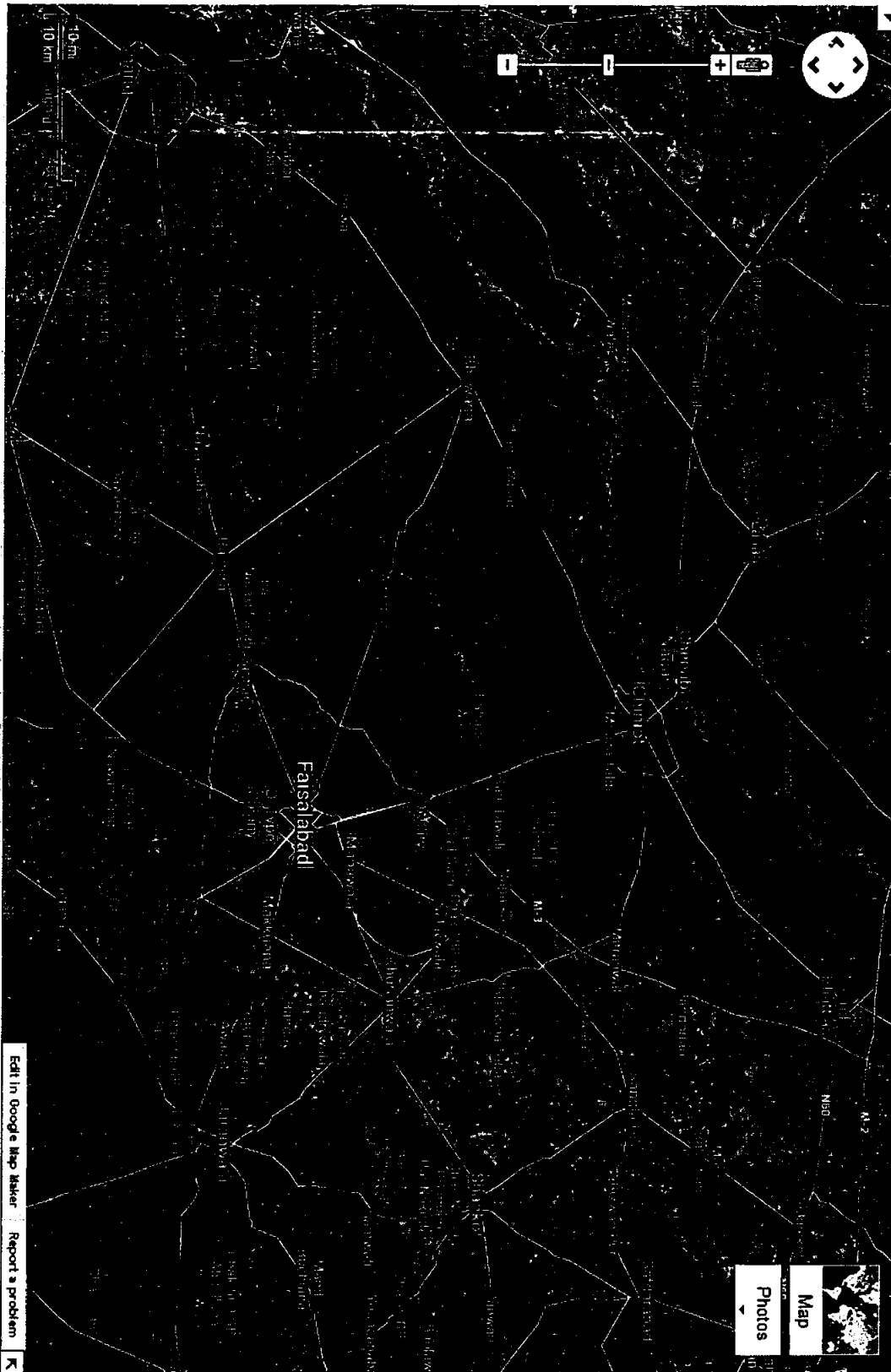


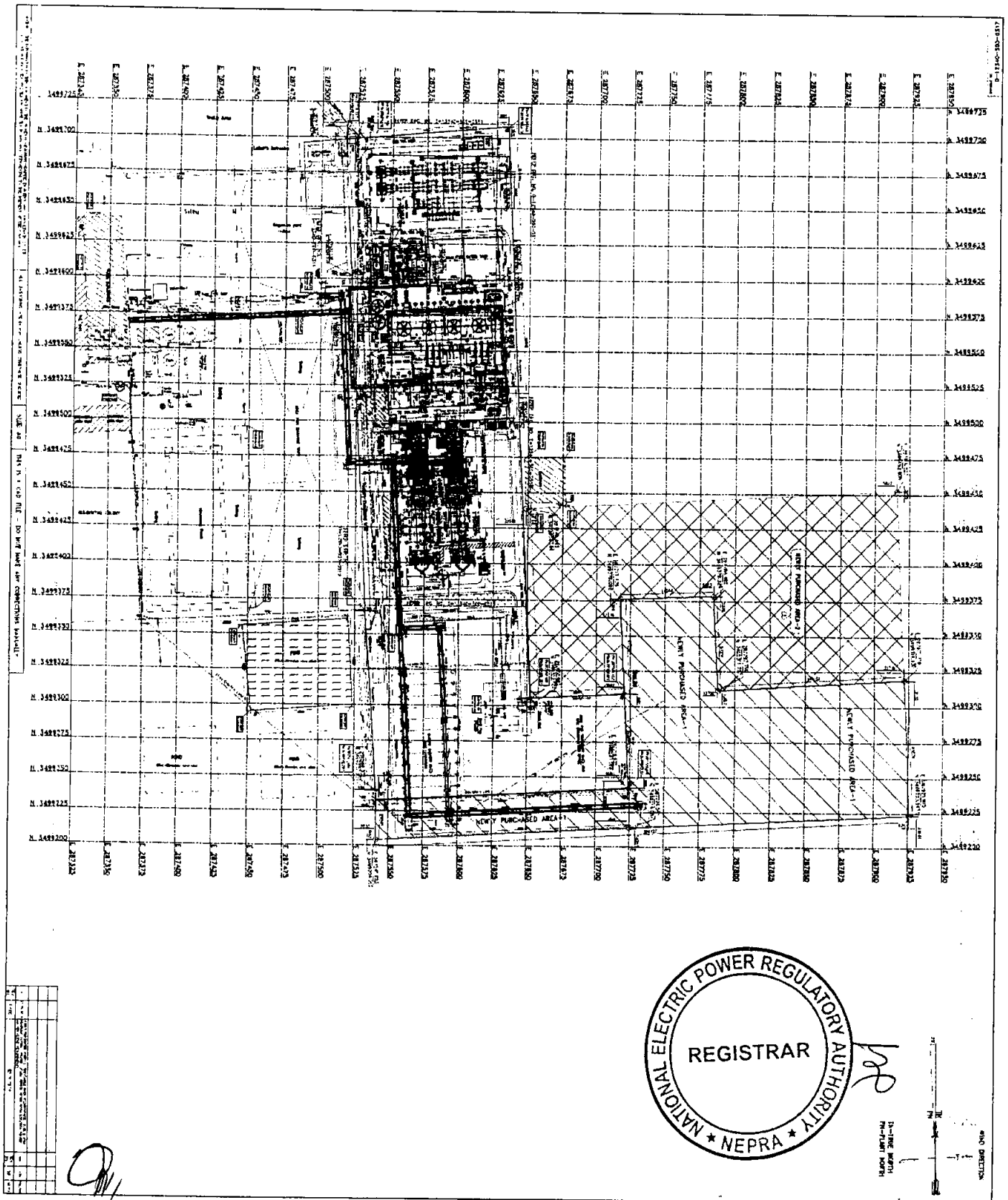
Revised/Modified
SCHEDULE-I

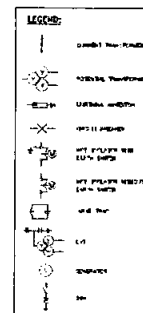
The Location, Size (i.e. Capacity in MW), Type of Technology, Interconnection Arrangements, Technical Limits, Technical/Functional Specifications and other details specific to the Generation Facilities of the Licensee are described in this Schedule











REFERENCE DRAWING:

1. INFORMATION REPORTING IS SUBJECT TO CHANGE WITHOUT NOTICE. © 1997-2001 BSA.

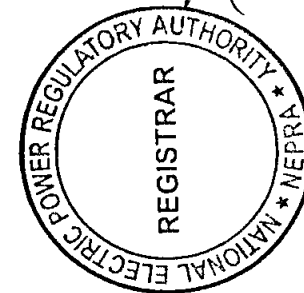
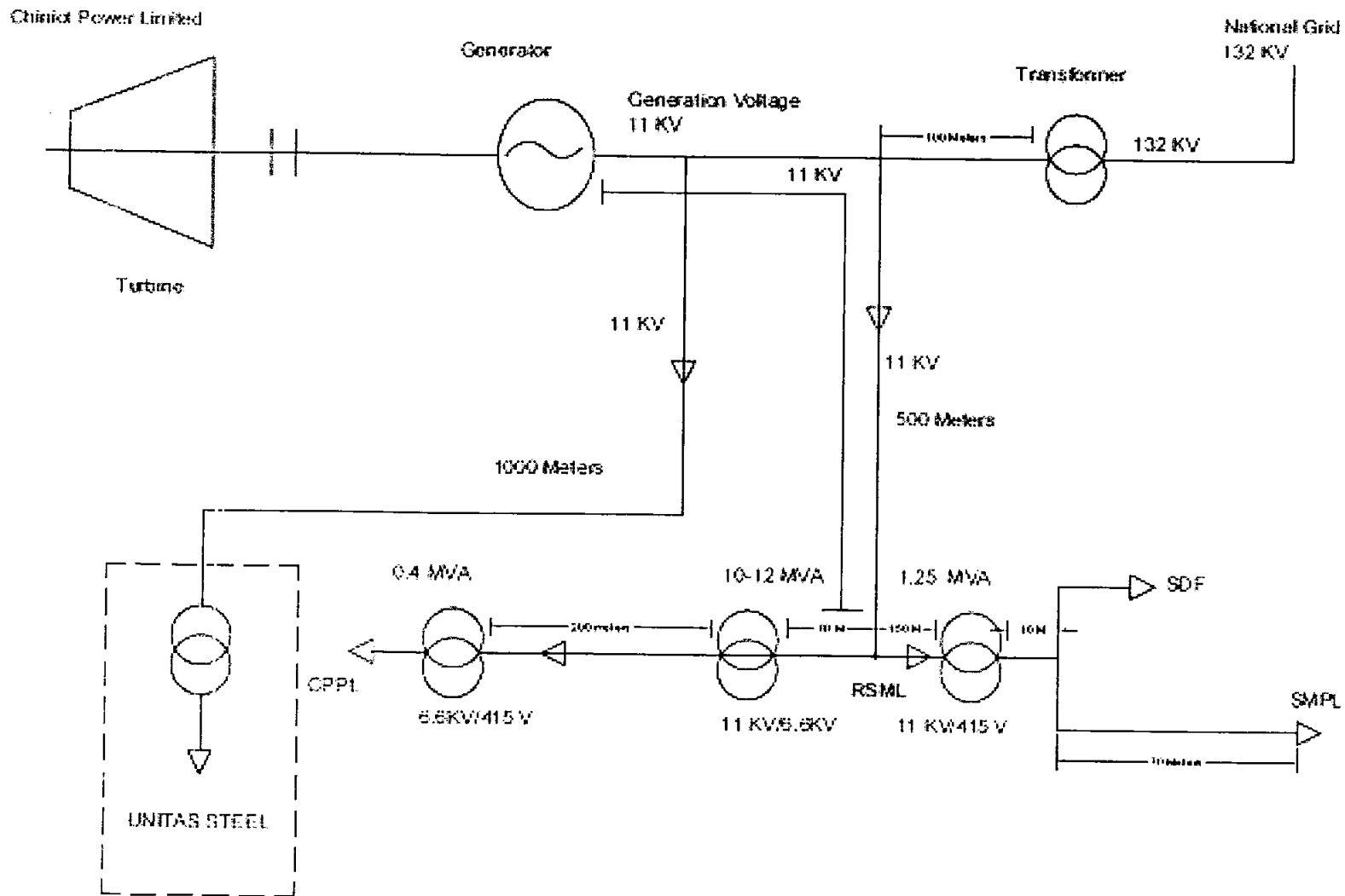
Page 5 of 14 of
Revised/Modified Schedule-
Modification-ISSN 0950-0804
Q1 06 14

CONTROLLED COPY						UNCONTROLLED COPY					
CHINIOT POWER COMPANY 2 X 30 MW COGENERATION PROJECT											
PROJECT CONSULTANT AVANT-GARDE ENGINEERS & CONSULTANTS (PZC.), SHARJAH, UAE											
ENGINEERING CONTRACTOR: AVANT-GARDE ENGINEERS AND DEVELOPERS LTD., CHENNAI 600 116, INDIA.											
				NAME		YEAR		DATE		NO. OF SHEETS	
				AVANT-GARDE		1987		20-08-88		10	
				CHENNAI 600 116, INDIA.				20-08-88		10	
REV. EL.		CRANE OR LATCH NO.		SCALE		WEIGHT (kg)		REF. ASSY. DOC. NO.		FILE NO.	
SIZE 900		C/W/F									
KEY SINGLE LINE DIAGRAM FOR 11kV & 132kV SYSTEM										DRAWING NO. M-12340-900-0522	

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED: SIZE: A2 THIS IS A CAD FILE - DO NOT MAKE ANY CORRECTIONS MANUALLY

CAUTION: THE INFORMATION IN THIS DOCUMENT IS THE PROPERTY OF AVANT-GARDE ENGINEERS AND CONSULTANTS INC. LTD. IT MUST NOT BE USED, COPIED, REPRODUCED, RELEASED, OR TRANSMITTED IN ANY MANNER OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF AVANT-GARDE ENGINEERS AND CONSULTANTS INC. LTD.

REVISIONS

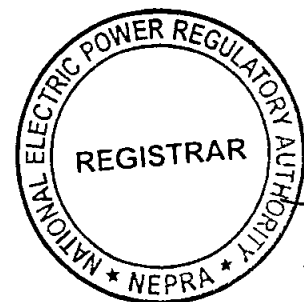


**Interconnection Facilities/
Transmission Arrangements for Dispersal of Power from the
Generation Facility/Co-Generation
Power Plant**

The electric power from the bagasse based co-generation power plant/generation facility of Chiniot Power Limited (CPL) will be supplied to Bulk Power Consumers/BPCs* (Ramzan Sugar Mills Limited, Crystal Plastics (Private) Limited, Sharif Dairy Farms (Private) Limited, Sharif Milk Products (Private) Limited and Unitas Steel (Private) Limited as enumerated in the Schedule-I) and to the load center of FESCO.

(2). The interconnection facilities/transmission arrangements for supplying to FESCO from the above mentioned generation facility shall be at 132 KV level. The dispersal/interconnection arrangement for supplying to FESCO will be consisting of a 132 KV Double Circuit Transmission Line (on ACSR LYNX Conductor) measuring about twelve (12) Kilo-meter connecting the generation facility/co-generation power plant with 132 KV Bhawana Grid Station.

(3). Any change in the above mentioned interconnection facilities/transmission arrangements for dispersal of electric power as agreed by the Licensee and the Power Purchaser shall be communicated to the Authority in due course of time.



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

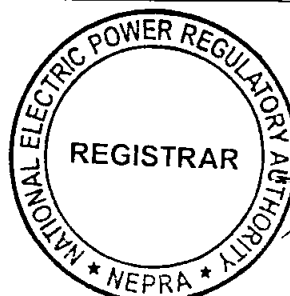
Detail of
Generation Facility/Co-Generation
Power Plant

(A). General Information

(i).	Name of Applicant	Chiniot Power Limited.
(ii).	Registered /Business Office	55-K, Model Town, Lahore.
(iii).	Plant Location	26-KM Chiniot-Jhang Road, Tehsil and District Chiniot in the Province of Punjab
(iv).	Type of Generation Facility	Bagasse based, high-pressure Co-Generation Thermal power Plant.

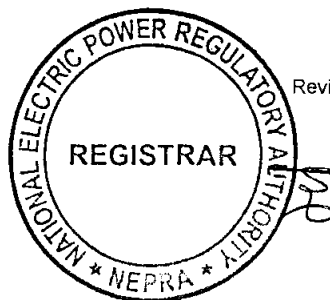
(B). Plant Configuration

(i).	Plant Size Installed Capacity	62.40 MW.
(ii).	Type of Technology	Conventional Steam Turbine based Power Plant (with Extraction cum condensing Steam Turbine with 110 bar (kg/cm ²) boiler.
(iii).	Number of Units/Size (MW)	Steam Turbine 2 x 31.20 MW
(iv).	Unit Make/Model/Type & Year of Manufacture Etc.	Steam Turbine Hangzhou Steam Turbine Co. Limited (Model – EHNK 50/71)
		Boiler Travelling grate type of Wuxi, China Boiler of 155 TPH Capacity and 110 Bar (kg/cm ²) pressure/Wuxi Huaguang Electric Power Engineering Co. Ltd
(v).	Commissioning/ Commercial Operation Date of the Generation Facility	July 01, 2015
(vi).	Expected Useful Life of the Generation Facility from Commercial Operation/ Commissioning Date	30 Years (Minimum)



(C). Fuel/Raw Material Details

(i).	Primary Fuel	Bagasse	
(ii).	Alternate Fuel	Biomass (i.e. Corn Cobs and Cane Trash)	
(iii).	Fuel Source (Imported/Indigenous)	Primary Fuel	Alternate Fuel
		Indigenous	Indigenous
(iv).	Fuel Supplier	Primary Fuel	Alternate Fuel
		Ramzan Sugar Mills Limited-RSML(primary)/Other bagasse / biomass suppliers (if available in the nearby area)	Biomass suppliers (if available in the nearby area)
(v).	Supply Arrangement	Primary Fuel	Alternate Fuel
		Through Conveyor Belts/Loading Trucks/Tractor Trolleys etc	Through Conveyor Belts/Loading Trucks/Tractor Trolleys etc
(vi).	Sugarcane Crushing Capacity of RSML	8500 Ton Crushing Per Day (Existing)/12,000 Ton Crushing Per Day (after extension in pipeline)	
(vii).	Bagasse Generation Capacity of RSML	2550 Tons per day (as per Existing Capacity)/3600 Ton Crushing Per Day (after extension in pipeline)	
(viii).	Fuel Storage facilities	Primary Fuel	Alternate Fuel
		Bulk Storage	Bulk Storage
(ix).	Capacity of Storage facilities	Primary Fuel	Alternate Fuel
		28,000 Metric Tons bulk storage	Included as part of the Primary Fuel Storage
(x).	Gross Storage Capacity	Primary Fuel	Alternate Fuel
		28,000 Metric Tons Bulk Storage	Included as part of the Primary Fuel Storage



(D). **Emission Values**

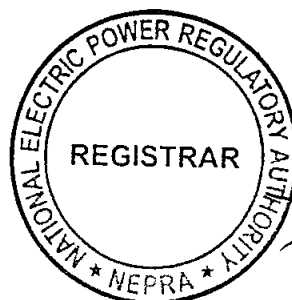
		Primary Fuel	Alternative Fuel
(i).	SO _x	361.9 kg/hour	361.9 kg/hour
(ii).	NO _x	<80 p.p.m.	<80 p.p.m.
(iii).	CO ₂	11% to 13%	11% to 13%
(iv).	CO	Traces	Traces
(v).	PM ₁₀	50 mg /n.cu.m	50 mg /n.cu.m

(E). **Cooling System**

(i).	Cooling Water Source/Cycle	RCC Cooling tower of induced draft counter flow type. Make up water will be drawn from the bore wells/Closed Loop.
------	----------------------------	--

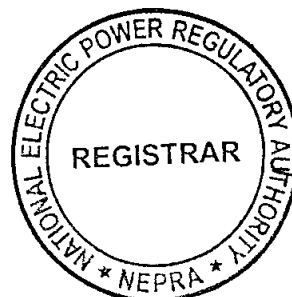
(F). **Plant Characteristics**

(i).	Generation Voltage	11.00 KV		
(ii).	Frequency	50 Hz		
(iii).	Power Factor	0.80 lagging - 0.95 leading		
(iv).	Automatic Generation Control (AGC)	Yes		
(v).	Ramping Rate	To be Provided Later		
(vi).	Time required to Synchronize to Grid	370 Minutes	260 Minutes	90 Minutes
		During cold start (i.e. when plant is started later than 72 hours after shutdown)	During warm start (i.e. when plant is started at less 36 hours after shutdown)	During Hot start (i.e. when plant is started at less than 12 hours after shutdown)

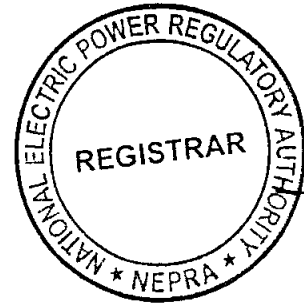


Information Regarding
Bulk Power Consumers to be Supplied by the Licensee (i.e.
Chiniot Power Limited-CPL)

(i).	No. of Consumers	Five (05)		
(ii).	Name of the Bulk Power Consumers (BPCs)	1. Ramzan Sugar Mills Ltd. (RSML) 2. Crystal Plastics (Pvt.) Ltd. (CPPL) 3. Unitas Steel (Pvt.) Ltd. (Unitas Steel) 4. Sharif Dairy Farms (Pvt.) Ltd. (SDFPL) 5. Sharif Milk Products (Pvt.) Ltd. (SMPPL)		
(iii).	Location of BPCs (distance and/or identity of premises)	26-KM Chiniot-Jhang Road, Tehsil and District Chiniot, Province of Punjab		
(iv).	Contracted Capacity and Load Factor for BPCs	Ramzan Sugar Mills Ltd.		
		During Crushing Season		During Off Crushing Season
		15.00 MW		03.00 MW
		Unitas Steel (Pvt.) Ltd.		Sharif Dairy Farms (Pvt.) Ltd.
		Load Phase I: 10.00 MW	Load Phase II (after extension): 16.00 MW	Load: 500 KW
		Sharif Milk Products (Pvt.) Ltd.		Crystal Plastics (Pvt.) Ltd
		Load: 200 KW		Load: 75 KW
(v).	Specify Whether			
	(a).	The consumer is an Associate undertaking of the Licensee -If yes, specify percentage ownership of equity;	RSML, SDFPL, SMPPL, CPPL and CPL are group companies of Sharif group. While, Unitas Steel is not Associate undertaking of the Licensee.	
	(b).	There are common directorships:	All the above BPCs & CPL have common directorship. Whereas agreement between CPL and Unitas Steel for supply of electric power is to be executed.	
	(c).	Either can exercise influence or control over the other.	No	

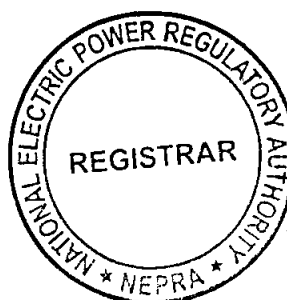


	Specify nature of contractual Relationship		
(vi).	(a).	Between the BPCs and the Licensee	Supply of electric power on continuous basis.
	(b).	Between BPCs and FESCO.	RSML, SDFPL and SMPPL are B-2(b) consumer of FESCO whereas Unitas Steel and CPPL are not consumers of FESCO.
(vii)	Any other network information deemed relevant for disclosure to or consideration by the Authority.		N/A

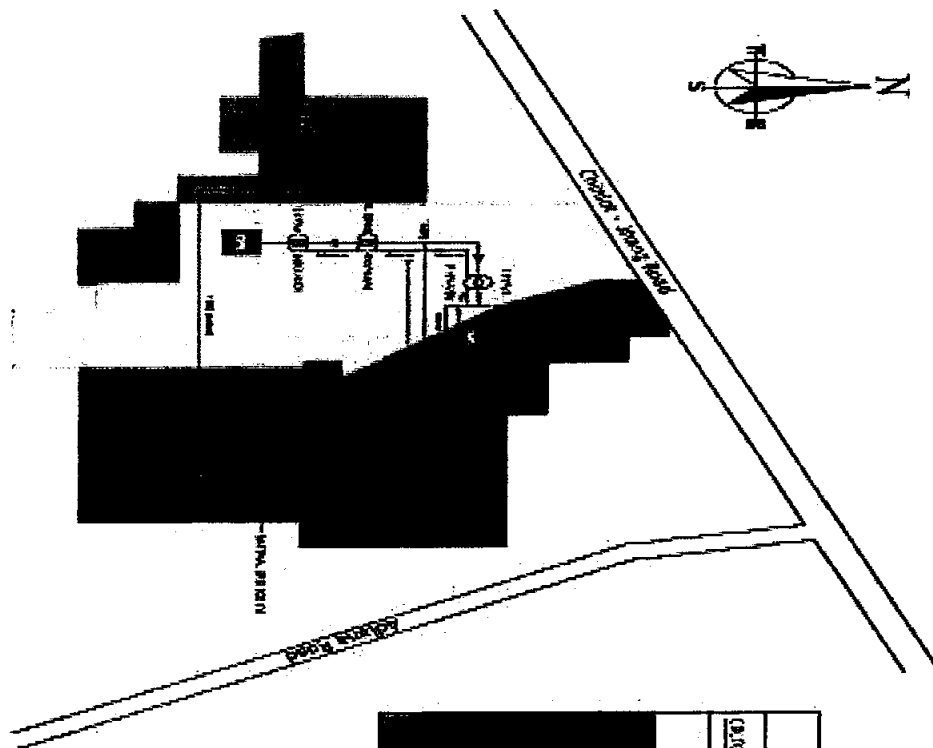


Information Regarding
Distribution Network for Supply of Electric Power to Bulk Power
Consumers By the Licensee (i.e. Chiniot Power Limited-CPL)

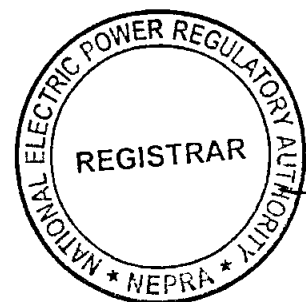
(i).	No. of Feeders	03 (Three)		
(ii).	Length of Each Feeder (Meters)	F ₁	F ₂	F ₃
		1000	650	580
(iii).	Length of Each Feeder to each Consumer	As above		
(iv).	In respect of all the Feeders, describe the property (streets, farms, Agri land, etc.) through, under or over which they pass right up to the premises of customer, whether they cross-over.	The 11 KV Feeders supplying electric power to different BPCs are located on private property owned by the respective BPCs.		
(v).	Whether owned by Licensee, BPCs or Distribution Company FESCO-(deal with each Feeder Separately)		Owned by the respective BPCs	
	(a).	If owned by FESCO, please furnish particulars of contractual arrangement	N/A	
	(b).	Operation and maintenance responsibility for each feeder	The Operation and Maintenance is the responsibility of each of the BPCs.	
(vi).	Whether connection with network of FESCO exists (whether active or not)- If yes, provide details of connection arrangements (both technical and contractual)		Yes, RSML, SDFPL and SMPPL are B-2(b) consumers of FESCO while Unitas Steel and CPPL are not consumers of FESCO.	
(vii).	Any other network information deemed relevant for disclosure to or consideration by the Authority.		N/A	



Schematic Diagram
for Supply of Electric Power to Bulk Power Consumers from
Generation Facility/Thermal Power Plant

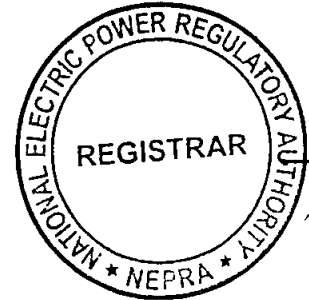


LEGEND	
COLOR	NAME OF BULK POWER CONSUMER
	CHINIOT POWER LTD. (CPPL)
	CHINIOT POWER LTD. (CPPL)
	CHINIOT POWER LTD. (CPPL)
	CHINIOT POWER LTD. (CPPL)
	CHINIOT POWER LTD. (CPPL)
	CHINIOT POWER LTD. (CPPL)
	CHINIOT POWER LTD. (CPPL)



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 is given in this Schedule

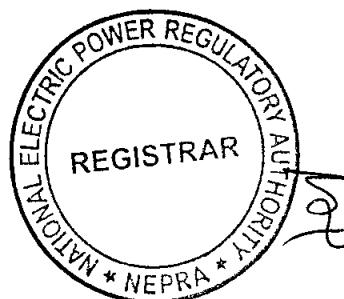


SCHEDULE-II

		<u>During Crushing Season Operation</u>	<u>During Off Crushing Season Operation</u>
(1).	Total Gross Installed Capacity of the Generation Facility	62.40 MW	62.40 MW
(2).	De-rated Capacity of Generation Facility at Reference Site Conditions	59.80 MW	62.40 MW
(3).	Auxiliary Consumption of the Generation Facility	05.30 MW	05.30 MW
(4).	Total Installed Net Capacity of Generation Facility at Reference Site Condition	54.50 MW	57.10 MW

Note

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



Revised/ Modified Authorization
by National Electric Power Regulatory Authority (NEPRA) to
Chiniot Power Limited

Incorporated under the Companies Ordinance, 1984
Under Corporate Universal Identification No. 0084890, dated August 26, 2013

NEPRA GENERATION LICENCE No. IGSPL/41/2014,
Dated June 11, 2014

For
Sale to Bulk Power Consumer(s)

Pursuant to Section-21 of the Act and Rule-7 of the NEPRA Licensing (Generation) Rules-2000, the Authority hereby authorize Chiniot Power Limited-CPL (the Licensee) to engage in second-tier supply business, limited to the following consumers also mentioned in Schedule-I of the Generation Licence No. IGSPL/41/2014 dated June 11, 2014. Earlier authorization granted is hereby cancelled and replaced with the following consumers:-

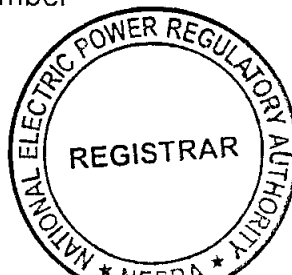
- (a). Ramzan Sugar Mills Limited
- (b). Sharif Milk Products (Private) Limited
- (c). Crystal Plastics (Private) Limited
- (d). Sharif Dairy Farms (Private) Limited
- (e). Unitas Steel (Private) Limited.

(Maj. (R) Haroon Rashid)
Member

(Syed Masood Ul Hassan Naqvi)
Member

(HimayatUllah Khan)
Vice Chairman / Member

(Tariq Saddozai)
Chairman



23.09.16