



National Electric Power Regulatory Authority
Islamic Republic of Pakistan

Registrar

2nd Floor, OPF Building, G-5/2, Islamabad.
Ph : 9207200 Ext : 330 — Fax : 9210215
E-mail : office@nepra.isb.sdnpk.org
Direct Phone : (051) 9206500

No. NEPRA/R/LAG-46/8890

27-01-2004

Director,
Kohinoor Power Company Ltd.
6 – Egerton Road,
Lahore

Subject: **Grant of Generation Licence SGC/017/2004**
Licence Application No. RI 10-1-03.016
M/s. Kohinoor Power Company Ltd.

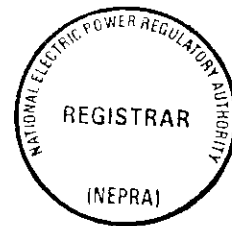
Please refer to your application No. Nil, dated 02-06-2000 to NEPRA for a Generation Licence.

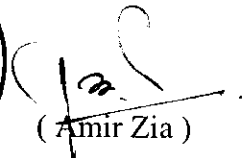
2. Enclosed here is Generation Licence No. SGC/017/2004 granted by the Authority to M/s. Kohinoor Power Company Ltd. The Licence is granted to you pursuant to Section 15 of the Regulation of Generation, Transmission and Distribution of Electric Power Act (XL of 1997).

3. Also enclosed here is the 'Authorization' pursuant to Section 22 of the Act and Rule 7 of NEPRA Licensing (Generation) Rules - 2000 for sale to bulk power consumers.

4. Please quote above mentioned Generation Licence No. in your future correspondence with the Authority.

DA/As above.




(Amir Zia)

Copy for information to Director General, Pakistan Environmental Protection Agency, 44-E, Office Tower, Blue Area, Islamabad.

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

GENERATION LICENCE

NO. SGC/017/2004

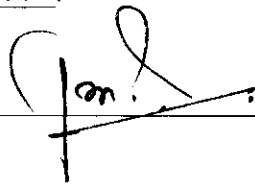
In exercise of the powers conferred on the National Electric Power Regulatory Authority under Section 15 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (XL of 1997), the Authority hereby grants a Licence to

M/s Kohinoor Power Company Limited
incorporated under the Companies Ordinance, 1984
under Certificate of Incorporation
No. L-04340 dated 08th December, 1991

to engage in the generation business for delivery and sale to the consumers mentioned in schedule I subject to and in accordance with the terms and conditions of the Licence

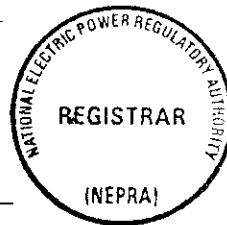
Issued under my hand at Islamabad this 27th day of January two thousand and four.

Signed



Date:

27-01-04



Article 1
Application of Rules

Save as expressly provided otherwise, the provisions of the National Electric Power Regulatory Authority Licensing (Generation) Rules, 2000 as amended from time to time shall apply to this Licence.

Article 2
Definitions

Unless there is anything repugnant in the subject or context and save as expressly defined hereinafter, words and expressions used in this Licence bear the respective meanings given thereto in the Act or in the Rules.

Article 3
Grant of Licence

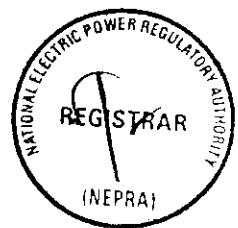
- 3.1 The location , size (capacity in MW) , technology, interconnection arrangements , technical limits, technical functional specifications and other details specific to the generation facilities of the licensee are set out in Schedule I of this Licence.
- 3.2 The net capacity of the licensee's generation facilities is set out in Schedule II hereto.

Article 4
Licence Fee

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

Article 5
Term and Renewal of Licence

This Licence is granted for a term of fourteen (14) years.



**Article 6
Tariff**

The licensee shall charge from its consumers only such tariff which is either approved or specified by the Authority.

**Article 7
Distribution Facilities of licensee.**

Not Applicable.

**Article 8
Connection to Transmission System,
Compliance with Grid Code,
Pooling and Settlement Arrangement**

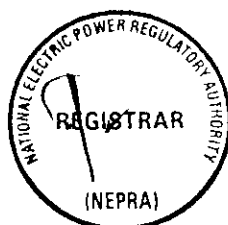
Rule 10 of the Rules shall apply only to those SPPs whose generation facilities are connected directly or indirectly at voltage of 132 kV or above

**Article 9
Generating Capacity Reserve Requirements**

The installed generating capacity of the licensee shall not fall below 85% (95% in the case of a single consumer on a distribution feeder) of the connected load and generating capacity of the largest installed unit at the time of application for generation licence.

**Article 10
Compliance with Performance Standards**

The licensee shall conform to the relevant NEPRA rules on Performance Standards as may be prescribed by the Authority from time to time.



Article 11
Compliance with Environmental Standards

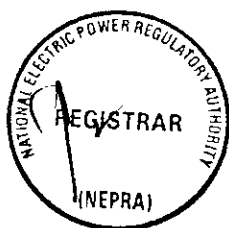
The licensee shall conform to the environmental standards as may be prescribed by the relevant competent authority.

Article 12
Maintenance of Record

- 12.1 The licensee shall keep complete and accurate record and data in respect of all aspects of the generation business and the second-tier supply business, in their original as well as in electronic form.
- 12.2 Without prejudice to the provisions of Rule 15(3) of the Rules, unless provided otherwise under the law or the applicable documents, all record and data shall be maintained for a period of five (5) years after the creation of such record or data. The licensee shall not destroy or dispose off any such record or data after the aforesaid period without thirty days prior written notice to the Authority. The licensee shall also not dispose off or destroy any record or data which the Authority directs the licensee to preserve.
- 12.3 All record and data maintained in an electronic form shall, subject to just claims of confidentiality, be accessible to the staff authorized by the Authority.

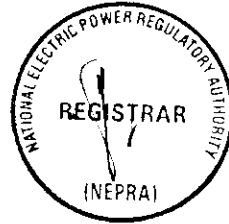
Article 13
Provision of Information

- 13.1 The obligation of the licensee to provide information to the Authority shall be in accordance with Section 44 of the Act.
- 13.2 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.



SCHEDULE - I

- The location, size (capacity in MW), technology, interconnection arrangements, technical limits, technical functional specifications and other details specific to the generation facilities of the licensee

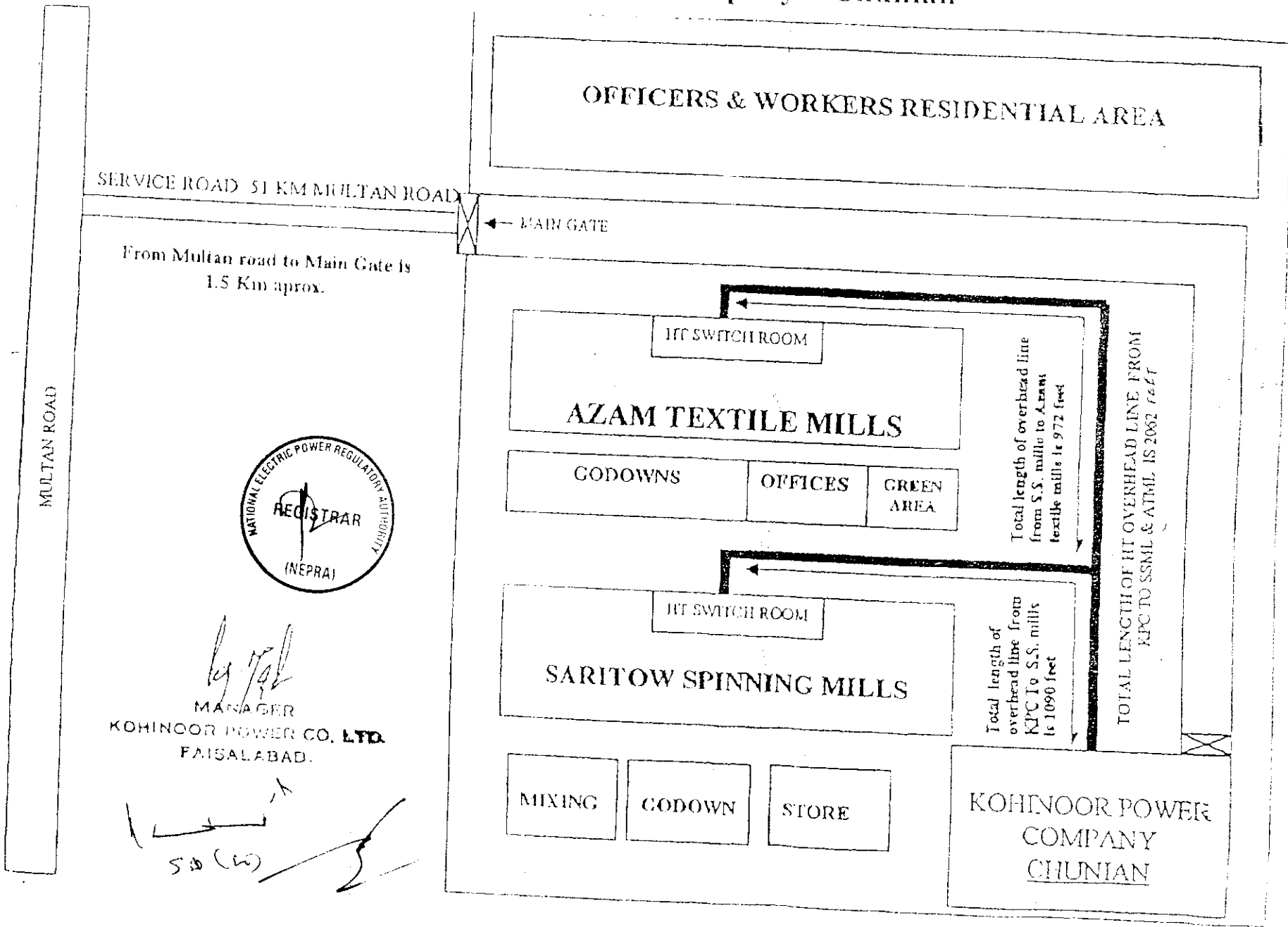


Plant -2 Kohinoor Power Company - Chunian

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Page 2 of 9-Schedule-1

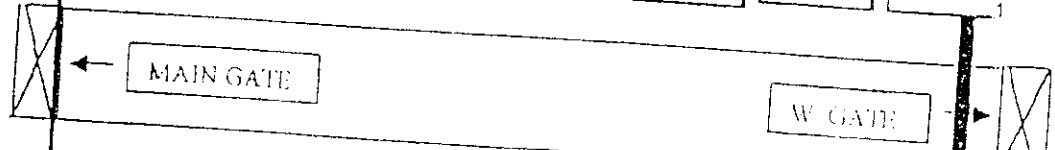
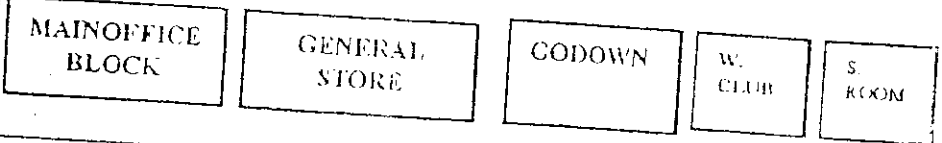
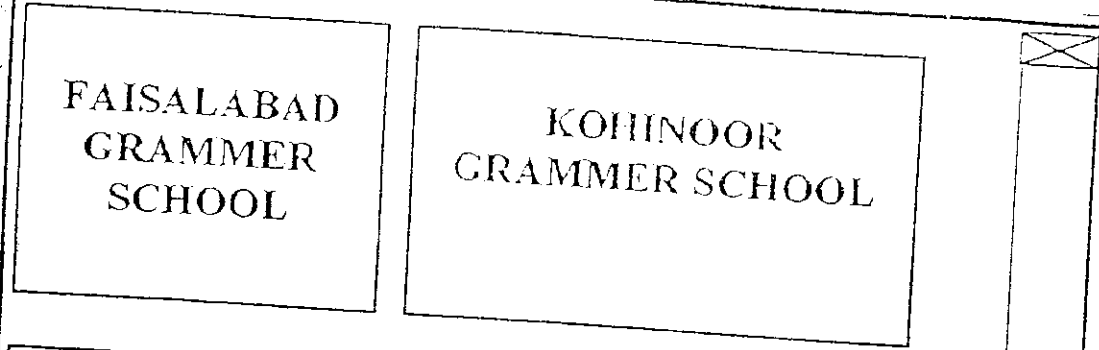


Kohinoor Power Company Limited, Kohinoor Nagar, Faisalabad
51 Km Multan Road, Bhak...

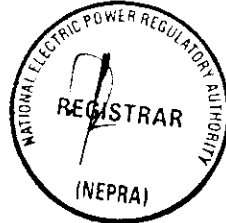
Plant -1 Kohinoor Power Company - Faisalabad

HOCKEY STADIUM / WOMAN COLLEGE RC

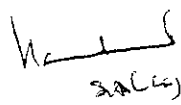
FAISALABAD



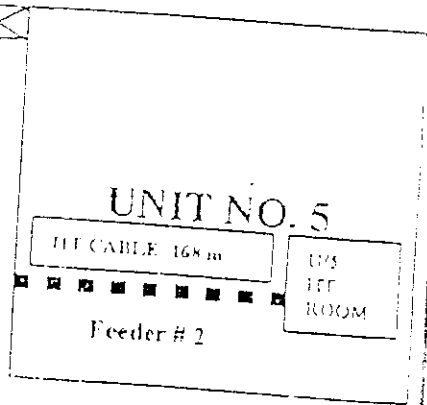
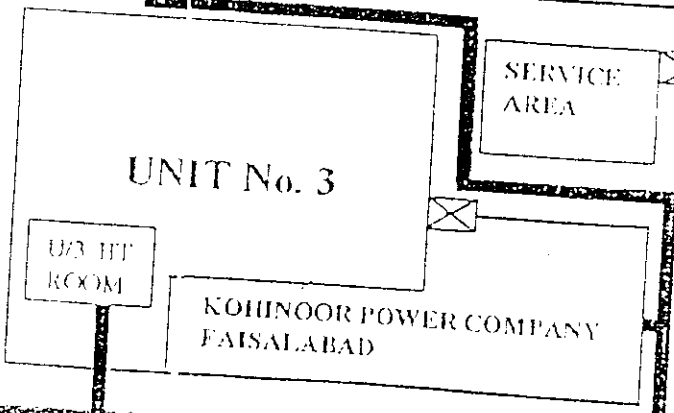
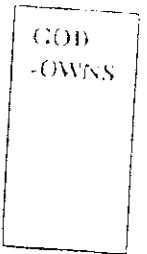
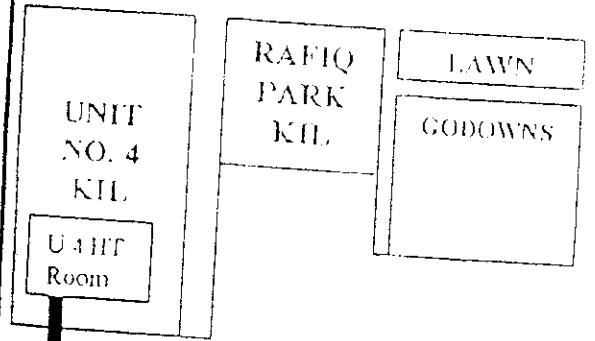
Overhead line From KPC to main offices 320 m



[Signature]
MANAGER
KOHINOOR POWER CO. LTD.
FAISALABAD



JARANWALA ROAD



Unit # 3 to Unit # 4 over Head Line 450m

From KPC to Unit # 3 O / H Line 450m

FEEDER # 1

BOUNDRY WALL OF KOHINOOR INDUSTRIES

Kohinoor Power Company Limited, Kohinoor Nagar, Faisalabad
51 Km. Multan Road, Phase 1

PLANT DETAILS

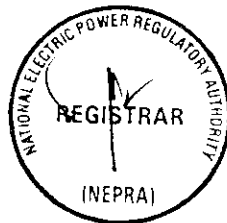
- | | | |
|----|-------------------|---|
| 1. | Name of Applicant | Kohinoor Power Company limited |
| 2. | Registered Office | 6-Egerton Road, Lahore |
| 3. | Plant Location | Plant-1-Kohinoor Power Company Ltd. Kohinoor Nagar, Faisalabad.
Plant-2- 51 Km Multan Road, Bhai Pheru |
| 4. | Type of Facility | Thermal Generation |

Plant Configuration

	Plant-1	Plant-2
5.a Plant size	10.20 MW	5.08 MW
5.b Type of Technology	Diesel Engines Nigata	Diesel Engines Nigata
5.c Number of Units	Two	One
5.d Unit Size	5.080 MW	5.08 MW
5.e Unit Make and Model, Date of Manufacture	Nigata 16V32CLX 1991	Nigata 16V32CLX 1993
5.f Date of Commissioning	Unit 1-2 in 1991	Originally installed at Plant 1 in 1994, Shifted to Plant-2 location in September, 2000

Fuel Use

6.a	Fuel Type	HFO
6.b	Fuel (Imported/indigenous)	Both, depending on availability
6.c	Fuel Supplier	PSO/Shell/Caltex
6.d	Supply Agreement	PSO/Shell/Caltex/Total
		Road /Tankers



	Plant-1	Plant-2
6.e No. of Tanks	Two	Two
6.f Storage Capacity/ Tank	1200 Tons/Tank	475 Tons/Tank
6.g Gross Storage	2400 Tons	950 Tons

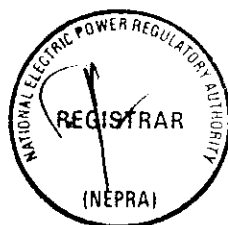
Emission Values

7.a So ₂	818 PPM	818 PPM
7.b No _x	1200 PPM	1200 PPM
7.c CO ₂	Not Applicable	Not Applicable
7.d Particulate	Not Applicable	Not Applicable
8. Cooling Water Source	Tube Well	Tube Well
9. Total Installed Capacity of Both plants	15.28 MW	
10. Total Derated Capacity of Both plants	15.28 MW	
11. Expected Remaining Life of the Facility	Twenty Four Years	Twenty Seven Years
12. Operational Record	Given in Section 16 of the Licence Application	

Project Cost

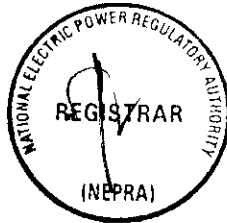
13.a Equity (Thousand Rupees)	75,765.00	20,000.00*	95,765.00
13.b Debt (Thousand Rupees)	192,350.00	-	192,350.00
13.c Total project Cost (Thousand Rupees)	268,115.00	20,000.00	288,115.00

* Cost of Shifting the plant from Faisalabad to Bhair Pheru



Plant Characteristics

	Plant-1	Plant-2
14.a Generation Voltage (Volts)	11000 V	11000 V
14.b Frequency	50 Hz	50 Hz
14.c Power Factor	0.80 lagging	0.80 lagging
14.d Automatic Generation Control	Provided	Provided
14.e Ramping Rate	0.16 % Per second	0.16 % Per second
14.f Alternative Fuel	LDO/HSD	LDO/HSD
14.g Auxiliary Consumption (1999)	3,360,000 kWh	1,680,000 kWh
14.h Time Required to Synchronize to Grid	Not Applicable since unit is not connected to DISCO/ Grid.	



SPP Licences-Performa for Information regarding Distribution Issues

NETWROK FACTS*

PART A

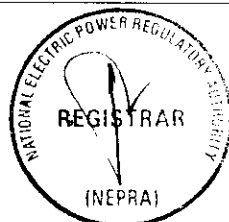
Network Facts		Unit # 1 Kohinoor Nagar, Jaranwala Road, Faisalabad	Unit # 2 51 Km Multan Road, Bhai Pheru	
		Feeder 1	Feeder 1	Feeder 2
A.	No. of Feeders	One	Two	
B.	Length of Each Feeder a. O/H b. U/G	1220 meters 168 meters	165 meters (O/H)	459 meters (O/H)
C.	Length of Each Feeder to Each Consumer a. O/H b. U/G	1220 meters 168 meters	330 meters	459 meters
D.	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 consumer's premises. Whether they cross-over or pass near the DISCO lines.	SPP & Consumer located adjacent, therefore, private property. None	SPP & Consumer located adjacent, therefore, private property. None	SPP & Consumer located adjacent, therefore, private property. None
E.	Whether owned by SPP, consumer or DISCO-(Deal with each Feeder separately - If owned by DISCO, please furnish particulars of contractual arrangement. - Operation and maintenance responsibility for each Feeder.	SPP N.A SPP	SPP N.A SPP	SPP N.A SPP
F.	Whether connection with DISCO's network exists (whether active or not)- If yes, provide details of connection arrangements (both technical and contractual)	No	No	No
Any other network information deemed relevant for disclosure to or consideration by NEPRA.		SPP-owned lines may be transferred over to Consumers.		



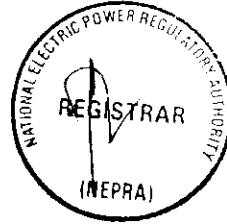
SPP Licences- Proforma for information regarding Distribution issues

Part-B

Consumption Facts		Unit # 1 Kohinoor Nagar, Jaranwala Road, Faislaabad.	Unit # 2 51 Km Multan Road, Bhai Pheru	
A.	No. of Consumers	1	2	
B.	Location of Consumers (distance and/or identity of premises)	Kohinoor Industries Limited, Kohinoor Nagar, Jaranwala Road, Faisalabad. (Affiliated Consumer)	Saritow Spinning Mills, 51 Km Multan Road, Bhai Pheru. (Affiliated Consumer)	Azam Textile Mills, 51 Km Multan Road, Bhai Pheru. (Affiliated Consumer).
C.	i) Contracted Capacity for each consumer (MW)	10.50 MW	2.10 MW	2.1 MW
	ii) Load Factor for each Consumer.	Variable	Variable	Variable
D.	Specify whether i.a) the consumer is an associated undertaking of the SPP i.b) if yes, specify percentage ownership of equity	N.A	N.A	N.A
		N.A	N.A	N.A
	ii. there are common directorships between SPP and consumers.	Yes	Yes	Yes
	iii. either can exercise influence or control over the other	Yes	Yes	Yes
E.	Contracted relationship between: i. each consumer & SPP ii. each consumer & host DISCO	Firm supply of electricity to consumer on a continuous basis. None	Firm supply of electricity to consumer on a continuous basis. None	Firm supply of electricity to consumer on a continuous basis. None
F.	Capacity originally sanctioned by Provincial Government- If subsequently enhanced, evidence of permissions for enhancement.	15.24 MW. However, One Engine with 5.08 MW capacity has been shifted to Unit -2 leaving the installed capacity as follows.		
		10.20 MW	5.08 MW	

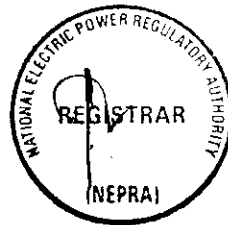


G.	Tariff arrangement and particulars with: i. WAPDA ii. Provincial Government	None As per Provincial Government approval & same as WAPDA
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SCHEDULE - II

- The net capacity of the licensee's generation facilities



SCHEDULE II

GROSS INSTALLED CAPACITY (MW)	Plant-1	10.20 MW
	Plant-2	5.08 MW
		= 15.28 MW

(Total of Three units at Both Plants)

DERATED CAPACITY (MW) = **15.28 MW**

AUXILIARY CONSUMPTION (MW)	Plant-1	0.613 MW
	Plant-2	0.307 MW
	Total	0.92 MW

NET CAPACITY OF THE PLANT (MW)	Plant-1	9.587 MW
	Plant-2	4.773 MW
	Total	14.360 MW



A handwritten signature in black ink, consisting of a stylized, cursive script.

Authorization by National Electric Power Regulatory Authority

To

M/s Kohinoor Power Company Limited

Incorporated under the Companies Ordinance, 1984
Under Certificate of incorporation No. L-04340 dated 08-12-1991
NEPRA Generation Licence No. SGC/017/2004

For


Sale to Bulk Power Consumers

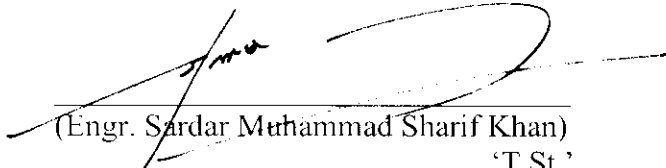
Pursuant to Section 22 of the Act and Rule 7 of the NEPRA Licensing (Generation) Rules 2000, the Authority hereby authorizes M/s Kohinoor Power Company Limited (Licensee) to engage in second-tier supply business, limited to the following consumers also mentioned in Schedule I of Generation Licence No. SGC/017/2004.

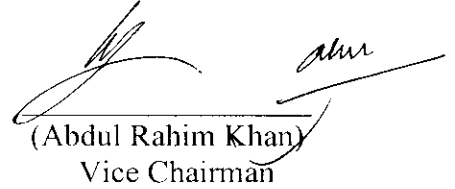
Subject to NEPRA rules and regulations, the Licensee shall charge its consumers only the second-tier supply charge at the rate of Rs. 4.00 per Kwh as determined by the Authority in its determination dated 24-11-2003. ~~and as notified by the General Secretaries~~

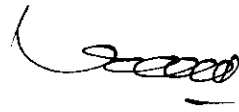
- 1) Kohinoor Industries Limited
Kohinoor Nagar, Jaranwala Road,
Faisalabad.
(Affiliated Consumer)
- 2) Saritow Spinning Mills
51 Km Multan Road, Bhai Pheru.
(Affiliated Consumer)
- 3) Azam Textile Mills
51 Km Multan Road, Bhai Pheru.
(Affiliated Consumer)

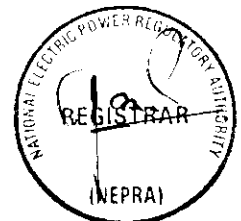

(Fazlullah Qureshi)
Member


(Mansoor Elahi)
Member


(Engr. Sardar Muhammad Sharif Khan)
'T.St.'
Member


(Abdul Rahim Khan)
Vice Chairman


Lt. Gen.(R) Saeed uz Zafar, HI (M)
Chairman



**Term of the Licence
(Article 5 of the Licence)
Kohinoor Power Company Limited**

The rule 5 of the Licensing (Generation) Rules - 2000 stipulates that the term of Licence shall be commensurate with the maximum expected useful life of the units comprised in a generation facility demonstrated to the satisfaction of the Authority unless the applicant consents to a shorter period.

Kohinoor Power Company Limited, has shown in its application No. NIL dated 2nd June, 2000 to NEPRA for a generation licence, remaining life of its facility as 24/27 years.

The Licensing Group considers that the Diesel Electric Generators normally have useful life of around 20 years. Since the plants of Kohinoor Power Company Limited, were manufactured in 1991/1993 and commissioned in 1991/1994, therefore the Group recommends that the Licence be issued to Kohinoor Power Company Limited, by the Authority for fourteen (14) years from the date of grant of Licence by the Authority.

AUTHORITY DECISION

The Authority agrees with the Licensing Group recommendations about the term of Licence. The Licence is granted for a term of fourteen (14) years.

Authority

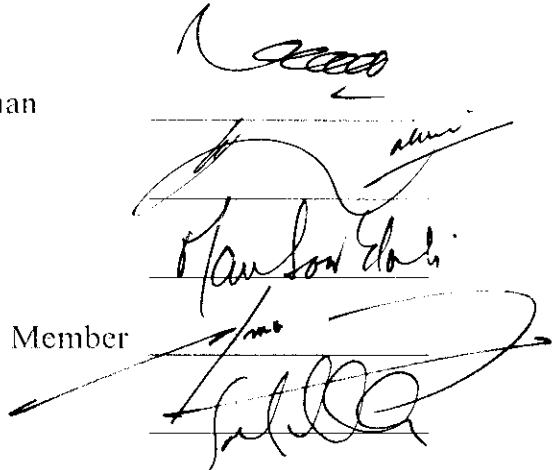
LT. Gen. (R) Saeed uz Zafar, HI (M), Chairman

Mr. Abdul Rahim Khan, Vice Chairman

Mr. Mansoor Elahi, Member

Engr. Sardar Muhammad Sharif Khan T. St., Member

Mr. Fazlullah Qureshi, Member



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**Term of the Licence
(Article 5 of the Licence)
Kohinoor Power Company Limited**

The rule 5 of the Licensing (Generation) Rules - 2000 stipulates that the term of Licence shall be commensurate with the maximum expected useful life of the units comprised in a generation facility demonstrated to the satisfaction of the Authority unless the applicant consents to a shorter period.

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Authority

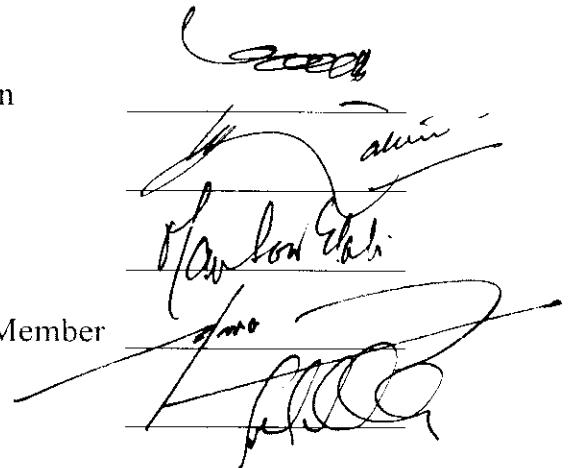
Lt. Gen. (R) Saeed uz Zafar, HI (M), Chairman

Mr. Abdul Rahim Khan , Vice Chairman

Mr. Mansoor Elahi, Member

Engr. Sardar Muhammad Sharif Khan T. St., Member

Mr. Fazlullah Qureshi, Member



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