



**National Electric Power Regulatory Authority**  
Islamic Republic of Pakistan

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

**Registrar**

No. NEPRA/R/LAG-54/8891

27-01-2004

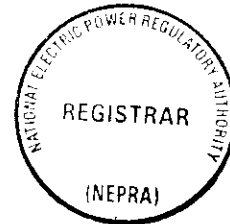
Chief Executive,  
Ghazi Power Ltd.  
8 – C, E – III, Gulberg – III,  
Lahore – 54660

**Subject: Grant of Generation Licence SGC/018/2004  
Licence Application No. RI 10-1-03.024  
M/s. Ghazi Power Limited**

Please refer to your application No. REF/GPL/FIN/76, dated 02-06-2000 to NEPRA for a Generation Licence.

2. Enclosed here is Generation Licence No. SGC/018/2004 granted by the Authority to M/s. Ghazi Power 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.



*(Signature)*  
**(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/018/2004

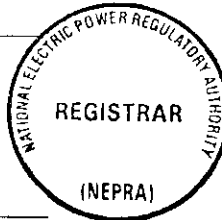
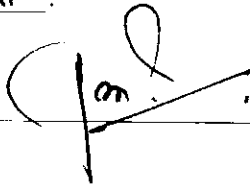
In exercise of the powers conferred on the National Electric Power Regulatory Authority under Section 15 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (XL of 1997), the Authority hereby grants a Licence to

**M/s Ghazi Power Limited**  
incorporated under the Companies Ordinance, 1984  
under Certificate of Incorporation  
**No. L-07109 of 1993-1994 16<sup>th</sup> May, 1994**

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 27<sup>th</sup> 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**

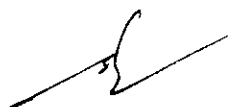
- 3.1 The location , size (capacity in MW) , technology, interconnection arrangements , technical limits, technical functional specifications and other details specific to the generation facilities of the licensee are set out in Schedule I of this Licence.
- 3.2 The net capacity of the licensee's generation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

The licensee may hand over ownership and control of its distribution facilities to the DISCO in whose service territory the licensee is operating on terms and conditions as approved by NEPRA; in the event, it wishes to retain ownership and control of its distribution facilities, it shall apply for a distribution licence within one month from the grant of this generation licence, in accordance with the relevant NEPRA rules.

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

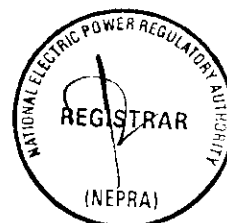

Rule 10 of the Rules shall apply only to those SPPs whose generation facilities are connected directly or indirectly at voltage of 132 kV or above

**Article 9**  
**Generating Capacity Reserve Requirements**

The installed generating capacity of the licensee shall not fall below 85% (95% in the case of single consumer on a 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**

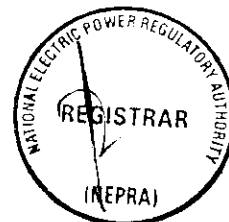
The licensee shall conform to the environmental standards as may be prescribed by the relevant competent authority.

**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.

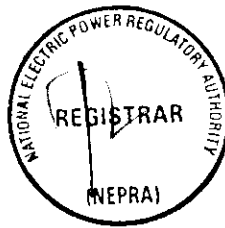
**Article 13**  
**Provision of Information**

- 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



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## PLANT DETAILS

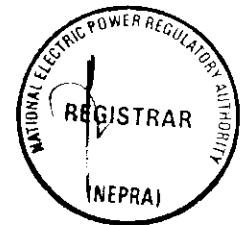
- |    |                   |                                 |
|----|-------------------|---------------------------------|
| 1. | Name of Applicant | Ghazi Power Limited             |
| 2. | Registered Office | 8-C, E-III, Gulberg-III, Lahore |
| 3. | Plant Location    | 46- Km Multan Road, Lahore      |
| 4. | Type of Facility  | Thermal Generation              |

### Plant Configuration

- |     |                                       |   |
|-----|---------------------------------------|---|
| 5.a | Plant size                            | 20.82 MW  |
| 5.b | Type of Technology                    | Diesel Engine   |
| 5.c | Number of Units                       | Six   |
| 5.d | Unit Size                             | 3.47 MW each  |
| 5.e | Unit Make and Model                   | CATERPILLAR 3616 H.F.O  |
|     |                                       | 1995/1995/1995/1996/1997/1997   |
| 5.f | Date of Manufacturing & Commissioning | Unit 1 in 1995/1995 respectively<br>Unit 2 in 1995 /1995 respectively<br>Unit 3 in 1995/ 1995 respectively<br>Unit 4 in 1996/ 1996 respectively<br>Unit 5 in 1997/ 1997 respectively<br>Unit 6 in 1997/ 1997 respectively |

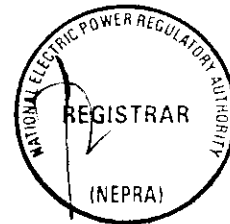
### Fuel Use

- |     |                             |                           |
|-----|-----------------------------|---------------------------|
| 6.a | Fuel Type                   | HFO 180 CST               |
| 6.b | Fuel ( Imported/indigenous) | Indigenous                |
| 6.c | Fuel Supplier               | Shell/PSO                 |
| 6.d | Supply Agreement            | Road                      |
| 6.e | No. of Tanks                | Two                       |
| 6.f | Storage Capacity/ Tank      | 1200 Metric Tons per Tank |
| 6.g | Gross Storage               | 2400 Metric Tons          |
| 6.h | Total Storage Capacity      | 2400 Metric Tons          |



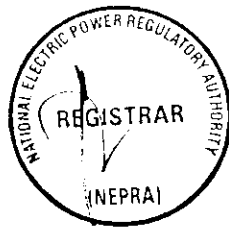
**Emission Values**

7.a	So <sub>2</sub>	50 mg/m <sup>3</sup>
7.b	Nox	70 mg/m <sup>3</sup>
7.c	CO <sub>2</sub>	Not Applicable
7.d	Particulate	Not Applicable
8.	Cooling Water Source	Tube Well
9.	Installed Capacity	20.82 MW
10.	Derated Capacity	20.82 MW
11.	Expected Remaining Life of the Facility	Twenty Five Years
12.	Operational Record	Given in Section 16 of the Licence Application
13.	<b><u>Project Cost</u></b>	
13.a	Equity (Thousand Rupees)	57,180.00
13.b	Debt (Thousand Rupees)	377,520.00
13.c	Total project Cost (Thousand Rupees)	434,700.00



14. **Plant Characteristics**

14.a	Generation Voltage (Volts)	11000 V
14.b	Frequency	50 Hz
14.c	Power Factor	0.80 lagging
14.d	Automatic Generation Control	NA
14.e	Ramping Rate	10 Minutes (from Start to Full-load)
14.f	Alternative Fuel	Diesel Oil
14.g	Auxiliary Consumption (1999)	4,75,000 kWh/month
14.h	Time Required to Synchronize to Grid	Not Applicable since unit is not connected to LESCO Grid.



licenses - Proforma for Information regarding Distribution issues.

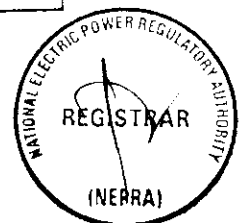
PART A

Network Facts*		(Please use additional sheets if necessary)
A	No. of Feeders	4 (Four)
B	Length of Each Feeder	1. 2.3 K.M. 2. 1.4 K.M. 3. 1.0 K.M. 4. 2.2 K.M.
C	Length of Each Feeder to Each consumer	same as above
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 customer's premises, and whether they cross-over or pass near the DISCO lines.	See Annex. A
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	- All Feeders are owned by Ghazi power Ltd.  - Not Applicable.  - All feeders are maintained & Operated by Ghazi Power Ltd.
F	Whether connection with DISCO's network exists (whether active or not)- If yes, provide details of connection arrangements (both technical and contractual)	No Connection with DISCO network.
Any other network information deemed relevant for disclosure to or consideration by NEPRA.		We have our own Grid as well which is disconnected since 1995.

\* Includes all allied equipment (pylons, protective devices, transformers, etc.)

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*[Handwritten signature]*



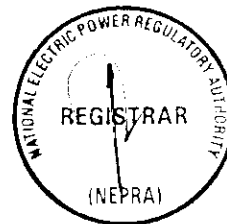
licenses - Proforma for Information regarding Distribution issues.

PART B

Consumption Facts		(Please use additional sheets if necessary)
A	No. of Consumers	7 (Seven)
B	Location of consumers (distance and /or identify of premises)	As per revised map.
C	Contracted capacity and Load factor for each consumer.	See Annex. B
D	<p>i). the consumer is an associated undertaking of the SPP*- if yes, specify percentage ownership of equity.</p> <p>ii). there are common directorships;</p> <p>iii). either can exercise influence or control over the other.</p>	<p>i). Out of seven consumers only one consumer ( Ghazi Fabrics Int. Ltd.) is associated undertaking of the Ghazi Power Ltd, and none of the both concerns have any equity in the other company.</p> <p>ii). Yes ( There are common directorship in associated concerns.)</p> <p>iii). No.</p>
E	Specify nature of contractual relationship I ) b/w each consumer and the SPP; and (II) each consumer and host DISCO.	<p>i). Mutual contract between consumers and Ghazi Power Ltd.</p> <p>ii). No.</p>
F	Capacity originally sanctioned by Provincial Government - If subsequently enhanced, evidence of permissions for enhancement.	Originally sanctioned capacity 10.4 M.W. Enhanced capacity 20.8 MW. (Copies of both sanctions provided)
G	Tariff arrangement and particulars with WAPDA / Provincial Government.	Mutual Contract between consumers and Ghazi Power Ltd. approved by provincial Govt. on WAPDA pattern.

\* as defined in the Companies Ordinance, 1984.

2

## (ANNEX A)

### FEEDER # 1

LENGTH 2.3 K.M.

20 Steel structures and 20 PC poles are used for Ospray conductor.

1.4 K.M. length of this Feeder passes within premises of self owned property.

0.9 K.M. length of this Feeder passes through private agricultural land for which mutual arrangements are done.

There is one crossing with Disco line where XLPE cable is used by Ghazi Power Limited.

All poles are distinctly painted to differentiate from Disco lines which are about 20Ft. Away.

### FEEDER # 2

LENGTH 1.4 K.M.

Double circuit with Feeder # 1.

16 Steel structure with Ospray Conductor.

Entire length is located in self owned property.

There is no crossing with Disco lines neither they are any where near by.

### FEEDER # 3

LENGTH 1.0 K.M.

9 PC poles and 4 steel structures with Osprary / Dog configuration.

Entire length is located in self owned property. There is no crossing with Disco lines neither they are any where near by.

### FEEDER # 4

LENGTH 2.2 K.M.

45 PC poles with Ospray conductor.

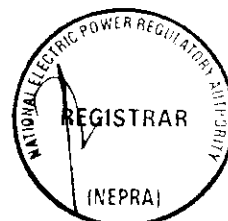
Feeder passes through private agricultural land for which mutual arrangements are made.

There are 2 crossings with Disco lines which are done by using XLPE cables.

All poles are distinctly coloured and there are no Disco lines nearby.







(ANNEX B)

FEEDER # 1

Serving	Load
a) Rai & Aruj Textile	2.6MW
b) Golden Textile	1.6MW

FEEDER # 2

Serving	Load
a) Ghazi Weaving	1.2MW

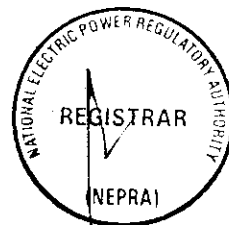
FEEDER # 3

Serving	Load
a) Ghazi Spinning	4MW

FEEDER # 4

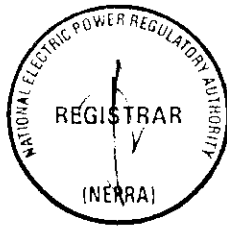
Serving	Load
a) Ejaz Textile	2.25MW
b) Sarfraz Yaqoob	1.8MW
c) Malik Ice Factory	100KW

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## SCHEDULE - II

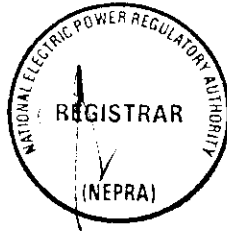
- The net capacity of the licensee's generation facilities



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## SCHEDULE II

<b>GROSS INSTALLED CAPACITY (MW)</b>	<b>(6x3.47)</b>	<b>=</b>	<b>20.82 MW</b>
	<b>(Total of Six units)</b>		
<b>DERATED CAPACITY (MW)</b>		<b>=</b>	<b>20.82 MW</b>
<b>AUXILIARY CONSUMPTION (MW)</b>		<b>=</b>	<b>0.993 MW</b>
<b>NET CAPACITY OF THE PLANT (MW)</b>		<b>=</b>	<b>19.827 MW</b>



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**Authorization by National Electric Power Regulatory Authority**

**To**

**M/s Ghazi Power Limited**

Incorporated under the Companies Ordinance, 1984

Under Certificate of incorporation No. L-07109 dated 1993-1994 dated 16-05-94

**NEPRA Generation Licence No. SGC/018 / 2004**

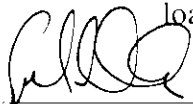
**For**

**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 Ghazi Power Limited (Licensee) to engage in second-tier supply business, limited to the following consumers also mentioned in Schedule I of Generation Licence No. SGC/018 / 2004 .

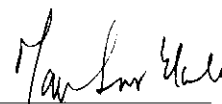
Subject to NEPRA rules and regulations, the Licensee shall charge its consumers only the second-tier supply charge at the rate of Rs. 4.00 per Kwh as determined by the Authority in its determination dated 24-11-2003, ~~as determined by the Authority in its determination dated 24-11-2003~~

- 1) Raj Aruj Textiles, 46 Km Multan Road, Bhai Behru, is 2.30 Km away and has a load of 2060 MW.
- 2) Golden Textiles Mills Limited, 46 Km Multan Road Chak No. 66 Dina Nath, Bhai Pheru and has a load of 1.60 MW.
- 3) Ghazi Weaving (Affiliated), 46 Km Multan Road, Bhai Pehru is 1.40 Km away and has a load of 1.20 MW.
- 4) Ghazi Spinning (Affiliated), 46 Km Multan Roadm, Bhai Pehru is 1.00 Km away and has a load of 4.00 MW.
- 5) Ejaz Textile Mills Limited, 49 Km Multan Road, Bhai Pehru is 2.20 Km away and has a load of 2.25 MW
- 6) Sarfraz Yaaqoob, 49 Km Multan Road Sarfraz Naga, Bhai Pheru and has a load of 2.00 MW.
- 7) Malik Ice Factory, 46 Km Multan Road, Dina nath, Bhai Pheru and has a load of 0.10 MW.



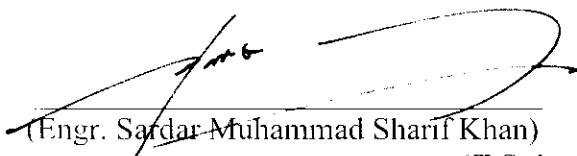
(Fazlullah Qureshi)

Member



(Mansoor Elahi)

Member



(Engr. Sardar Muhammad Sharif Khan)

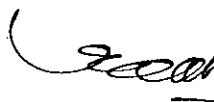
'T.St.'

Member

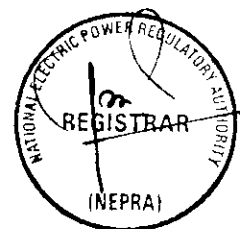


(Abdul Rahim Khan)

Vice Chairman



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



**Term of the Licence  
(Article 5 of the Licence)  
Ghazi Power 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.

Ghazi Power Limited, has shown in its application No. REF/GPL/FIN/-75 dated June 2<sup>nd</sup>, 2002 to NEPRA for a generation licence, remaining life of its facility as 25 years.

The Licensing Group considers that the Diesel Electric Generators normally have useful life of around 15-20 years. Since the plants of Olympia Power Limited, were manufactured in 1995/1996/1997 and commissioned in 1995/1996/1997 respectively, therefore the Group recommends that the Licence be issued to Ghazi Power Limited, by the Authority for fourteen (14) years from the date of grant of this 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.

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**Authority**

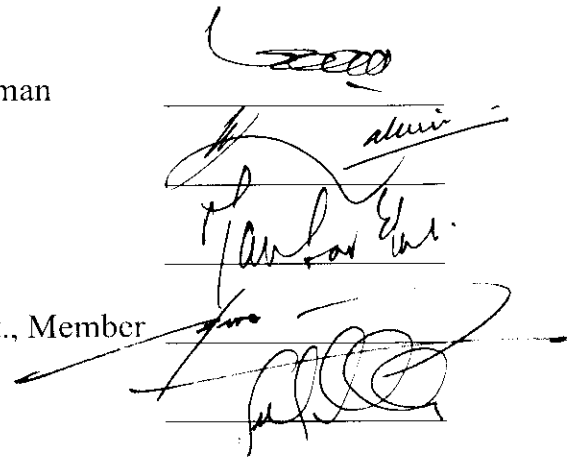
Lt. Gen. (R) Saced uz Zafar, HI (M), Chairman

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)  
Ghazi Power Limited**

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**Authority**

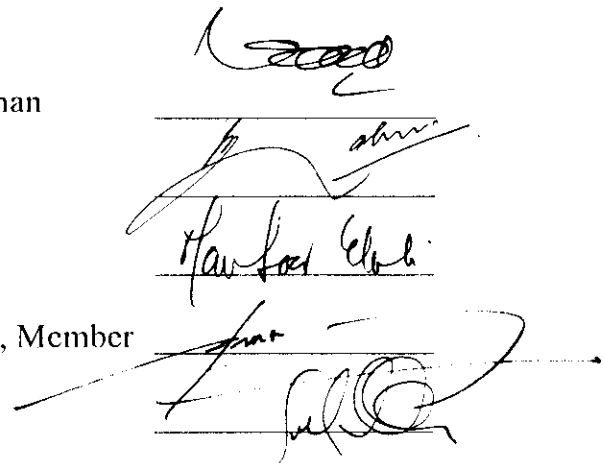
Lt. Gen. (R) Saeed uz Zafar, HI (M), Chairman

Mr. Abdul Rahim Khan, Vice Chairman

Mr. Mansoor Elahi, Member

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

Mr. Fazlullah Qureshi, Member



The image shows five handwritten signatures, each written over a horizontal line. The signatures are: 1. Saeed uz Zafar (Chairman), 2. Abdul Rahim Khan (Vice Chairman), 3. Mansoor Elahi (Member), 4. Sardar Muhammad Sharif Khan T. St. (Member), and 5. Fazlullah Qureshi (Member).