



Registrar

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

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E-mail : office@nepra.isb.sdnpk.org  
Direct Phone : (051) 9206500

No. NEPRA/R/LAG-38 / 9945-6

21-4-2004

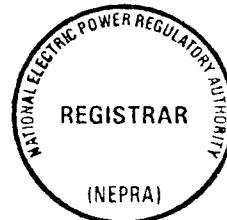
General Manager Finance  
Zeeshan Energy Limited  
16-C, Peoples Colony,  
Faisalabad

Subject: **Grant of Generation Licence SGC/021/2004**  
**Licence Application No. RI 10-1-03.008**  
**M/s. Zeeshan Energy Ltd.**

Please refer to your application No. ZEL/1486/2000 dated 31.05.2000 to NEPRA for a Generation Licence.

2. Enclosed here is Generation Licence No. SGC/021/2004 granted by the Authority to M/s. Zeeshan Energy 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.



*Mahjoob Ahmad Mirza*  
21.04.04  
(Mahjoob Ahmad Mirza)

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/021/2004

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

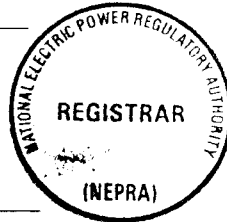
**M/s Zeeshan Energy Limited**  
incorporated under the Companies Ordinance, 1984  
under Certificate of Incorporation  
**No. K-0356 dated 30<sup>th</sup> June, 1994**

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 21<sup>st</sup> day of April two thousand and four.

Signed

Date: 21.04.04



*[Handwritten signature]*

**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**

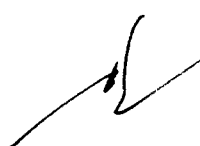
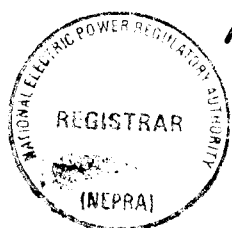

- 3.1 The location, size (capacity in MW), technology, interconnection arrangements, technical limits, technical functional specifications and other details specific to the generation facilities of the licensee are set out in Schedule I of this Licence.
- 3.2 The net capacity of the licensee's generation 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 thirteen (13) 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 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**


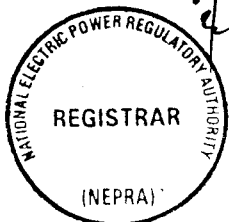
Rule 10 of the Rules shall apply only to those SPPs whose generation facilities are connected directly or indirectly at voltage of 132 kV or above

**Article 9  
Generating Capacity Reserve Requirements**

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

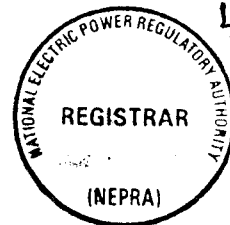
The licensee shall conform to the environmental standards as may be prescribed by the relevant competent authority.

**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.

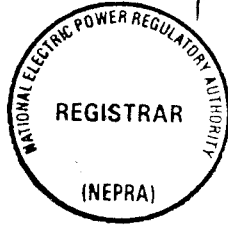
**Article 13**  
**Provision of Information**

- 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

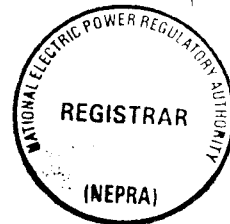
- |    |                   |  |
|----|-------------------|--|
| 1. | Name of Applicant | Zeeshan Energy Limited                         |
| 2. | Registered Office | 16-C Peoples Colony, Faisalabad.               |
| 3. | Plant Location    | 32-Km Faisalabad-Sheikhupura Road, Faisalabad. |
| 4. | Type of Facility  | Thermal Generation                             |

### Plant Configuration

- |     |                       |                     |
|-----|-----------------------|---------------------|
| 5.a | Plant size            | 6.90 MW             |
| 5.b | Type of Technology    | Dual Fuel IC Engine |
| 5.c | Number of Units       | Three               |
| 5.d | Unit Size             | 2.30 MW             |
| 5.e | Unit Make and Model,  | Niigata, 6L 34 HX   |
| 5.f | Date of Manufacture   | 1995                |
| 5.g | Date of Commissioning | 1995                |


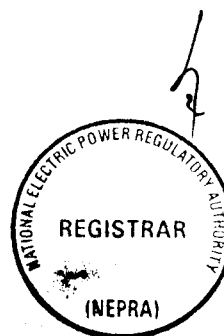
### Fuel Use

- |     |                             |                 |
|-----|-----------------------------|-----------------|
| 6.a | Fuel Type                   | HFO Oil         |
| 6.b | Fuel ( Imported/indigenous) | Indigenous      |
| 6.c | Fuel Supplier               | PSO/CALTEX/TPPL |
| 6.d | Supply Agreement            | Road/Tankers    |
| 6.e | No. of Tanks                | Two             |
| 6.f | Storage Capacity/ Tank      | 960 Tons/Tank   |
| 6.g | Gross Storage               | 1920 Tons       |



**Emission Values**

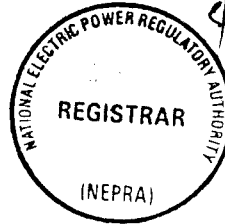
7.a	So <sub>2</sub>	818 PPM
7.b	Nox	1200 PPM
7.c	CO <sub>2</sub>	N.A
7.d	Dust	100 mg/m <sup>3</sup> N
8.	Cooling Water Source	Tube Well
9.	Installed Capacity	<b>6.90 MW</b>
10.	Derated Capacity	<b>6.90 MW</b>
11.	Expected Remaining Life of the Facility	Fifteen Years
12.	Operational Record	Included in Section 20 of the Licence Application
<b>13.</b>	<b><u>Project Cost</u></b>	
13.a	Equity (Thousand Rupees)	40,066.00
13.b	Debt (Thousand Rupees)	146,482.00
13.c	Total project Cost (Thousand Rupees)	186,548.00



**14. Plant Characteristics**

14.a	Generation Voltage (Volts)	11000 V
14.b	Frequency	50 Hz
14.c	Power Factor	0.94 lagging
14.d	Automatic Generation Control	Yes
14.e	Ramping Rate	10 Minutes
14.f	Alternative Fuel	Diesel Oil
14.g	Auxiliary Consumption (1999)	1,851,669 kWh
14.h	Time Required to Synchronize to FESCO Grid.	Not Connected with FESCO Grid.

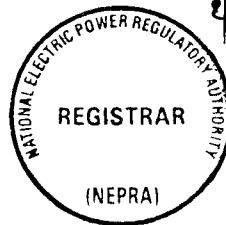


**SPP Licences-Performa for Information regarding Distribution Issues**

**NETWROK FACTS\***

**PART A**

Network Facts		Feeder 1		Feeder 2	
A.	No. of Feeders	Two Radial			
B.	Length of Each Feeder (meters)	3.50 KM		141 Meters (U/G Cable)	
C.	Length of Each Feeder to Each Consumer	One Consumer		One Consumer	
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.	Passing over Faisalabad-Sheikhupura Road, Agricultural Land, (Other) FESCO Lines.		Road Crossing (Under Ground Cable)	
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.	Owned by ZEL (SPP)  N.A		Owned by ZEL (SPP)  N.A	
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	
Any other network information deemed relevant for disclosure to or consideration by NEPRA.					

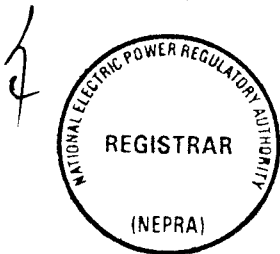
**SPP Licences- Proforma for information regarding Distribution issues**

**Consumption Facts**

**Part-B**

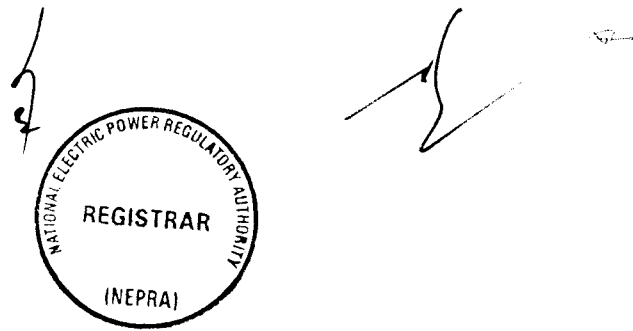
A.	No. of Consumers	Two (2)	
B.	Location of Consumers (distance and/or identity of premises)	J.A. Textile Mills Limited. 29 KM Faisalabad-Sheikhupura Road.	Asim Textile Mill Limited. 32 KM Faisalabad-Sheikhupura Road.
C.	i) Contracted Capacity for each consumer (MW) ii) Load Factor for each Consumer.	1.50 MW  0.85	1.80 MW  0.92
D.	Specify whether i. the consumer is an associate under taking of the SPP*- if yes, specify percentage ownership of equity; ii. there are common directorship; iii. either can exercise influence or control over the other.	Asim Textile Mills Limited and J.A Textztile Mills Limited, are associated undertaking wit 29.28% & 52.39% ownership equity respectively of Mr. Zahid Anwar.  Common directorship only with Asim Textile Mills Limited.  Yes	
E.	Contracted relationship between: i. each consumer & SPP ii. each consumer & host DISCO	Both Textile Mills are owned by the same owner.	
F.	Capacity originally sanctioned by Provincial Government- If subsequently enhanced, evidence of permissions for enhancement.	6.90 MW	
G.	Tariff arrangement and particulars with: i. WAPDA ii. Provincial Government	Same as per WAPDA i.e. B-3 for Industrial use and HI for residential colonies.	

\*As defined in the Companies Ordinance, 1984.



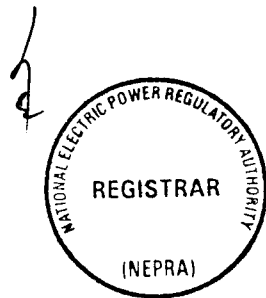
## SCHEDULE - II

- The net capacity of the licensee's generation facilities



## SCHEDULE - II

<b>GROSS INSTALLED CAPACITY</b> (2.30+2.30+2.30) =	<b>6.90 MW</b>
(MW) (Total of Three units)	
<b>DERATED CAPACITY (MW)</b>	= <b>6.90 MW</b>
<b>AUXILIARY CONSUMPTION (MW)</b>	= <b>0.251MW</b>
<b>NET CAPACITY OF THE PLANT (MW)</b>	= <b>6.65 MW</b>



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**Authorization by National Electric Power Regulatory Authority  
To**

**M/s Zeeshan Energy Limited**

Incorporated under the Companies Ordinance, 1984

Under Certificate of Incorporation No. K-00356 dated 30<sup>th</sup> June, 1994

**NERPA Generation Licence No. SGC/ 021 /2004**

**For**

**Sale to Bulk Power Consumers**

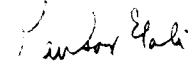
Pursuant to Section 22 of the Act and Rule 7 of the NEPRA Licensing (Generation) Rules-2000, the Authority hereby authorizes M/s Zeeshan Energy Limited (Licensee) to engage in second-tier supply business, limited to the following consumers also mentioned in Schedule I of Generation Licence No. SGC/ 021 /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 & 22.03.2004

1. J.A Textile Mills Limited, 28.5 Km Faisalabad-Sheikhupura Road, Faisalabad.
2. Asim Textile Mills Limited, 32.5 Km Faisalabad-Sheikhupura Road, Faisalabad.



(Fazlullah Qureshi)  
Member



(Mansoor Elahi)  
Member



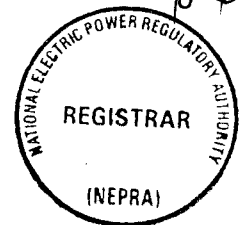
(Sardar Muhammad Shairf Khan T.St.)  
Member



(Abdul Rahim Khan)  
Vice Chairman



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



**Term of the Licence  
(Article 5 of the Licence)  
Zeeshan Energy 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.

Zeeshan Energy Limited, has shown in its application No. ZEL/2242/2000 dated 9<sup>th</sup> August, 2000 to NEPRA for a generation licence, remaining life of its facility as 15 years.

The Licensing Group considers that the Diesel Electric Units normally have useful life of around 20 years. Since the plants of Zeeshan Energy Limited were manufactured and commissioned in 1995 respectively. Therefore the Group recommends that the Licence be issued to Zeeshan Energy Limited by the Authority for thirteen (13) 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 thirteen (13) years.

**Authority**

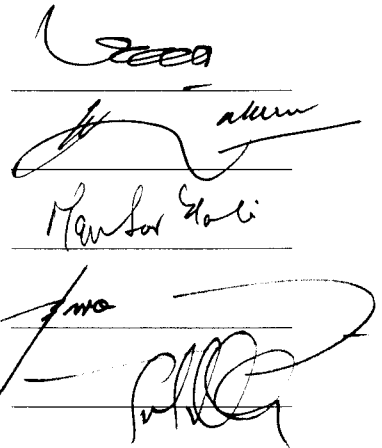
Lt. Gen. (R) Saeed uz Zafar, HI (M), Chairman

Mr. Abdul Rahim Khan , Vice Chairman

Mr. Mansoor Elahi, Member

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

Mr. Fazlullah Qureshi, Member



The image shows four handwritten signatures, each written over a horizontal line. From top to bottom, the signatures correspond to: Lt. Gen. (R) Saeed uz Zafar, Mr. Abdul Rahim Khan, Mr. Mansoor Elahi, and Engr. Sardar Muhammad Sharif Khan T. St. The signature of Mr. Fazlullah Qureshi is not visible as it is obscured by the signature of Engr. Sardar Muhammad Sharif Khan T. St.

**Term of the Licence  
(Article 5 of the Licence)  
Zeeshan Energy 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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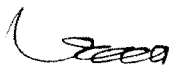

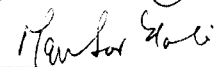


I.t. Gen. (R) Saeed uz Zafar, III (M), Chairman

Mr. Abdul Rahim Khan , Vice Chairman

Mr. Mansoor Elahi, Member

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

Mr. Fazlullah Qureshi, Member





## ANNEX-I

(1).	Gross Installed Capacity	(2.30+2.30+2.30)	=	<b>6.90 MW</b>
		<b>Total</b>		<b>6.90 MW</b>
(2)	Derated Capacity			<b>6.90 MW</b>
(3)	Gross Generation (1999)			<b>42,972,160 kWh</b>
(4)	Auxiliary Consumption (1999)			<b>1,560,000 kWh or 0.251 MW</b>
(5).	Net Capacity			<b>6.65 MW</b>
(6).	(i) Total Consumer Contracted Load			<b>3.30 MW</b>
	(ii) Diversified Load (Ref Article 9 of the Licence) 0.85%		(0.85x3.30) =	<b>2.805 MW</b>
(7).	Least Possible Available Generation [(5)- Largest Unit]		[6.65-2.30] =	<b>4.35 MW</b>
(8)	Capacity Reserve <b>Surplus</b> [(7) - (6)ii]		[4.35-2.805] =	<b>1.545 MW</b>
(9)	Consumer Back-up Generation			<b>3.40 MW</b>
(10)	Meets the Criteria Under Article 9 of Licence			<b>Yes</b>



## BRIEF FOR THE AUTHORITY

### Zeeshan Energy Limited

1. Type & Plant Location Thermal Generation  
32-Km Faisalabad-Sheikhupura Road, Faisalabad.
  2. Plant Capacity Manufactured / Commissioned  
  
No. of Units Three 1995/1995 respectively  
Size of each unit 2.30 MW  
Niigta  
  
**Total Installed Capacity 6.90 MW**
  3. Emission Values Provided
  4. Consumer Statistics Two Consumers  
(a). Number of Feeders Two  
(SPP-owned)  
  
(b). Contracted Load of Two Consumers 3.30 MW
- | <u>S.No</u> | <u>Consumer Name</u>                    | <u>Length of Feeder</u> | <u>Load (MW)</u> |
|-------------|---|-------------------------|------------------|
| 1           | J.A Textile Mills Limited (Affiliated)  | 3500 meters             | 1.50 MW          |
| 2           | Asim Textile Mills Limited (Affiliated) | 141 meters (U/G Cable)  | 1.80 MW          |
5. Capacity Requirements Meets the Criteria of Article 9 of the licence
  6. Whether Distribution Licence required Distribution Licence **is** required (Second-tier authorization **is** also required since the distribution network is owned by the Small Power Producer and its feeders cross Faisalabad-Sheikhupura Road.
  7. Licence Period Group recommends Thirteen (13) years period.



## ANNEX-I

(1).	Gross Installed Capacity	(2.30+2.30+2.30)	=	<b>6.90 MW</b>
		<b>Total</b>		<b>6.90 MW</b>
(2)	Derated Capacity			<b>6.90 MW</b>
(3)	Gross Generation (1999)			<b>42,972,160 kWh</b>
(4)	Auxiliary Consumption (1999)			<b>1,560,000 kWh or 0.251 MW</b>
(5).	Net Capacity			<b>6.65 MW</b>
(6).	(i) Total Consumer Contracted Load			<b>3.30 MW</b>
	(ii) Diversified Load (Ref Article 9 of the Licence) 0.85%		(0.85x3.30) =	<b>2.805 MW</b>
(7).	Least Possible Available Generation [(5)- Largest Unit]		[6.65-2.30] =	<b>4.35 MW</b>
(8)	Capacity Reserve <b>Surplus</b> [(7) - (6)ii]		[4.35-2.805] =	<b>1.545 MW</b>
(9)	Consumer Back-up Generation			<b>3.40 MW</b>
(10)	Meets the Criteria Under Article 9 of Licence			<b>Yes</b>