



**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.nepa.org.pk, E-mail: registrar@nepa.org.pk

No. NEPRA/SAT-I/TRF-419, 421 & 424 / 4453-71

March 20, 2018

Subject: **NOTICE OF ADMISSION/HEARINGS – TARIFF PETITIONS FILED FOR THE DETERMINATION OF REFERENCE GENERATION TARIFF BY:**

- a) **ARTISTIC WIND POWER (PVT.) LIMITED**
- b) **LAKESIDE ENERGY (PVT) LIMITED**
- c) **ACT 2 WIND(PVT.) LIMITED**

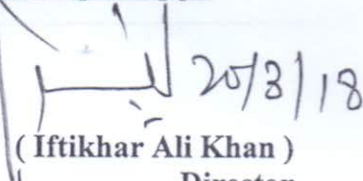
The Authority has admitted the subject tariff petitions of wind power projects for consideration. Notices of Admission/Hearing containing salient features of the petitions and issues framed for the hearings were published in the national daily newspapers on March 17, 2018 (copies enclosed) inviting intervention request/comments (if any) from interested parties.

2. The Authority has also decided to hold hearing son these cases according to the date, time and venue as mentioned below:

**Date** : **April 04, 2018 (Wednesday)**  
**Time** : **11:00 A.M. (Artistic Wind Power (Pvt.) Ltd.)**  
: **11:15 A.M. (Lakeside Energy (Pvt.)Ltd.)**  
: **11:30A.M(Act 2 Wind (Pvt.) Ltd.)**  
**Venue** : **NEPRA Tower, Ataturk Avenue, G-5/1, Islamabad**

3. Please intimate the name of person(s) who is/are authorized to participate in the hearings. You may also submit intervention request/comments on the subject cases within 14 days of publication of Notice of Admission/Hearing to assist the Authority in arriving at an informed decision. Tariff petitions may be downloaded from NEPRA website i.e. [www.nepa.org.pk](http://www.nepa.org.pk).

Encl: As above

  
( Iftikhar Ali Khan )  
Director  
Registrar Office

1.	President The Federation of Pakistan Chamber of Commerce and Industry (FPCCI), Federation House, Main Clifton, <b>Karachi</b> – 5675600	2.	Chairman Public Sector Utility, Sub-Committee Karachi Chamber of Commerce & Industries (KCCI) Aiwan-e-Tijarat Road, Shahrah-e-Liaquat, <b>Karachi-2</b>
3.	President Islamabad Chamber of Commerce & Industry G-8/1, <b>Islamabad</b>	4.	President Hyderabad Chamber of Commerce & Industry 488, Chamber Road, Saddar, <b>Hyderabad</b>
5.	President Lahore Chamber of Commerce & Industry 11, Shahrah-e-Awan-e-Tijarat, <b>Lahore</b>	6.	Chairman All Textile Mills Association, APTMA House, 44-A, Lalazar P.O. Box 5446 MoulviTamizuddin Khan Road, <b>Karachi</b>



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7.	Chief Executive Officer Small & Medium Enterprises Development Authority, 6th Floor, LDA Plaza, Egerton Road, <b>Lahore</b>	8.	<b>Executive Director</b> , Transparency International-Pakistan, 5-C, 2nd Floor, Khayaban-e-Ittehad, Phase VII, D.H.A., <b>Karachi</b> .
9.	Chairman National Accountability Bureau, Attaturk Avenue G-5/2, <b>Islamabad</b>	10.	Director General Hydrocarbon Development Institute of Plot No. 20, Sector H-9, <b>Islamabad</b>
11.	Chairman Board of Investment, PM Secretariat (Public), Ataturk Avenue, G-5/1, <b>Islamabad</b>	12.	General Manager, Karachi Shipyard and Engineering Works Ltd., West Wharf, Dockyard Road, <b>Karachi</b> - 74000
13.	Managing Director, Heavy Mechanical Complex (Pvt.) Ltd., <b>Taxila</b>	14.	Chairman Engineering Council Attaturk Avenue (East), G-5/2, <b>Islamabad</b>
15.	Director General, Pakistan Environmental Protection Agency, Plot No. 42, Street No. 6, H-8/2, Islamabad. Tele: 9250713	16.	President The Institute of Engineers Pakistan, IEP Roundabout, Engineering Centre, Gulberg – III, <b>Lahore</b> – 54660
17.	President Institute of Electrical & Electronics Engineers of (IEEEEP), 4 – Lawrence Road, <b>Lahore</b>	18.	Chief Executive Officer Reon Energy Solutions, 3rd Floor, Dawood Center, M.T. Khan Road, <b>Karachi</b>
19.	Rector National University of Sciences and Technology (NUST), H-12, <b>Islamabad</b>		



## National Electric Power Regulatory Authority (NEPRA)

### NOTICE OF ADMISSION/HEARING

#### TARIFF PETITION FILED BY ARTISTIC WIND POWER (PVT.) LIMITED FOR THE DETERMINATION OF REFERENCE GENERATION TARIFF IN RESPECT OF 50MW WIND POWER PROJECT

All stakeholders, interested/affected persons and the general public are notified that the Authority (NEPRA) has admitted the petition of Artistic Wind Power (Pvt.) Limited for consideration under NEPRA Tariff (Standards & Procedure) Rules, 1998. The petitioner has requested for determination of reference generation tariff for its 50MW wind power project for proposed sale of power to Central Power Purchasing Agency (Guarantee) Limited.

#### SALIENT FEATURES OF THE PETITION

1. The project is located at Jhimik, Nooriabad, District Thatta, Sindh, Pakistan.
2. Proposed capacity of the plant is 50 MW.
3. Annual energy generation 164.25GWh and Capacity factor of 37.5%.
4. Summary of proposed tariff as requested by the petitioner is as follows:

Tariff	PKR/kWh	US\$/kWh
Year 1-13	8.6575	8.2452
Year 14-25	3.7789	3.5990
Levelized	7.5967	7.2350

Reference exchange rate: 1 US\$ = 105 PKR

5. The Authority has decided to hold a Hearing of the petition on April 4, 2018 (Wednesday) at 11:00 A.M. at NEPRA Tower, G-5/1, Islamabad.
6. Following issues have been framed to be considered and discussed during the hearing.
  - i) Whether the details provided for EPC cost are sufficient and whether the claimed EPC cost is competitive and comparative and based on the firm and final agreement(s)?
  - ii) Whether the NEPRA (Selection of EPC Contractor by IPPs) Guidelines, 2017 have been fully complied with?
  - iii) Whether the details provided for Non-EPC cost are sufficient and claimed Non-EPC cost is justified? Also provide justification for land requirement as claimed by the petitioner
  - iv) Whether the claimed annual energy generation and corresponding plant capacity factor are reasonable and justified?
  - v) Whether the petitioner's proposed wind turbine technology satisfies the international standards of quality and operation?
  - vi) Whether the claimed O&M costs are justified? Provide rationale of claiming foreign & local O&M cost.
  - vii) Whether the claimed insurance during operation cost is justified?
  - viii) Whether the claimed return on equity is justified?
  - ix) Whether the claimed financing/debt terms are justified?
  - x) Whether the claimed construction period is justified?
  - xi) Any other issue with the approval of the Authority.
7. Any interested/affected person may participate in tariff setting proceedings through:
  - In terms of rules 6 & 7 of NEPRA (Tariff Standards & Procedure) Rules, 1998, any interested person who desires to participate in the proceedings may file an intervention request within fourteen (14) days from the date of publication of this notice. Such intervention request shall state the name and address of the person filing the same, objections and the manner in which such person is or is likely to be substantially and specifically affected by any determination in the proceedings. The intervention request may also contain the contentions of the person making the same, the relief sought and the evidence, if any, in support of the case.
  - Any person may also file the comments in the matter and the Authority, if deemed fit, may permit participation of such person into the proceedings and may also consider those comments in the final determination.
8. All communications should be addressed to:

**Registrar NEPRA**

NEPRA Tower, Ataturk Avenue (East), G-5/1, Islamabad.

Phone: 051-920 6500 Fax: 051-260 0025,

E.mail: registrar@nepra.org.pk

For further information and to download the petition, please visit: [www.nepra.org.pk](http://www.nepra.org.pk)

Note: Admission of this petition is not to be construed as approval of NEPRA.

4 B/R "Recorder" 17-03-18



# National Electric Power Regulatory Authority (NEPRA)

## NOTICE OF ADMISSION/HEARING

### TARIFF PETITION FILED BY LAKESIDE ENERGY (PVT.) LIMITED FOR THE DETERMINATION OF REFERENCE GENERATION TARIFF IN RESPECT OF 50MW WIND POWER PROJECT

All stakeholders, interested/affected persons and the general public are notified that the Authority (NEPRA) has admitted the petition of Lakeside Energy (Pvt.) Limited for consideration under NEPRA Tariff (Standards & Procedure) Rules, 1998. The petitioner has requested for determination of reference generation tariff for its 50MW wind power project for proposed sale of power to Central Power Purchasing Agency (Guarantee) Limited.

#### SALIENT FEATURES OF THE PETITION

1. The project is located at Jhimpir, Noonabad, District Thatta, Sindh, Pakistan.
2. Proposed capacity of the plant is 50 MW.
3. Annual energy generation 166.44GWh and Capacity factor of 38%.
4. Summary of proposed tariff as requested by the petitioner is as follows:

Tariff	PKR/kWh	US\$/kWh
Year 1-13	8.6474	8.2357
Year 14-25	3.8179	3.6361
Levelized	7.5973	7.2355

Reference exchange rate: 1 US\$ = 105 PKR

5. The Authority has decided to hold a Hearing of the petition on April 4, 2018 (Wednesday) at 11:15 A.M. at NEPRA Tower, G-5/1, Islamabad.
6. Following issues have been framed to be considered and discussed during the hearing:
  - i) Whether the details provided for EPC cost are sufficient and whether the claimed EPC cost is competitive and comparative and based on the firm and final agreement(s)?
  - ii) Whether the NEPRA (Selection of EPC Contractor by IPPs) Guidelines, 2017 have been fully complied with?
  - iii) Whether the details provided for Non-EPC cost are sufficient and claimed Non-EPC cost is justified? Also provide justification for land requirement as claimed by the petitioner
  - iv) Whether the claimed annual energy generation and corresponding plant capacity factor are reasonable and justified?
  - v) Whether the petitioner's proposed wind turbine technology satisfies the international standards of quality and operation?
  - vi) Whether the claimed O&M costs are justified? Provide rationale of claiming foreign & local O&M cost.
  - vii) Whether the claimed insurance during operation cost is justified?
  - viii) Whether the claimed return on equity is justified?
  - ix) Whether the claimed financing/debt terms are justified?
  - x) Whether the claimed construction period is justified?
  - xi) Any other issue with the approval of the Authority.
7. Any interested/affected person may participate in tariff setting proceedings through:
  - In terms of rules 6 & 7 of NEPRA (Tariff Standards & Procedure) Rules, 1998, any interested person who desires to participate in the proceedings may file an intervention request within fourteen(14) days from the date of publication of this notice. Such intervention request shall state the name and address of the person filing the same, objections and the manner in which such person is or is likely to be substantially and specifically affected by any determination in the proceedings. The intervention request may also contain the contentions of the person making the same, the relief sought and the evidence, if any, in support of the case.
  - Any person may also file the comments in the matter and the Authority, if deemed fit, may permit participation of such person into the proceedings and may also consider those comments in the final determination.
8. All communications should be addressed to:

**Registrar NEPRA**  
 NEPRA Tower, Ataturk Avenue(East), G-5/1, Islamabad.  
 Phone: 051-920 6500 Fax: 051-260 0026,  
 E.mail: registrar@nepra.org.pk

For further information and to download the petition, please visit: [www.nepra.org.pk](http://www.nepra.org.pk)  
 Note: Admission of this petition is not to be construed as approval of NEPRA.

PID/0506/17

