

## Wind Power Policy – 2013

**Government of Gujarat**  
**Energy and Petrochemicals Department**  
**G.R. No.EDA-102001-3054-B**  
**Sachivalaya, Gandhinagar.**  
**Dated the 25 July, 2013.**

### **Preamble**

Wind Power as an energy source is a non-polluting, environment-friendly, reasonably priced energy with shorter project gestation period. State of Gujarat recognizing the need for long term energy security in current scenario of volatile fossil fuel costs, global warming & climate change has been promoting wind power generation in the State.

The State Government by and time has revisited its Wind Power policy to encourage Wind Generation in the state. The State blessed with long coast line and good wind speeds for harnessing of the Wind Energy has successfully installed more than 3000 MW Wind capacity.

To accelerate the investment in Renewable sector, need for further investment in Clean and Green Energy sources is observed. With the revised estimated potential of more than 35000 MW from Wind energy sources in the State, it was under consideration of the Government to review the present wind power policy.

In order to optimize the Wind Energy potential in the State, the State Government has decided to pronounce a New Wind Power Policy – 2013 as follows:

### **RESOLUTION:**

#### **1. Title:**

This scheme shall be known as the “Wind Power Policy – 2013”.

#### **2. Operative Period:**

This policy will come into force with effect from the date of issue of this resolution and shall remain in operation up to 31<sup>st</sup> March 2016, which will be the operative period of the scheme. Wind Turbine Generators (WTGs) installed and commissioned during the operative period shall become

eligible for the incentives declared under this policy, for a period of twenty five years (25) from the date of commissioning or for the life span of the WTGs , whichever is earlier.

### **3. Eligible Unit:**

Any company or body corporate or association or body of individuals, whether incorporated or not, or artificial juridical person, will be eligible for setting up of WTGs, either for the purpose of captive use and /or for selling of electricity, in accordance with the Electricity Act 2003, as amended from time to time. Explanation: The use of electricity for own consumption at his end use location/s by the owner of WTGs shall be considered as Captive use.

### **4. Eligible Sites:**

The WTGs may be set up at sites notified by Gujarat Energy Development Agency (GEDA) and/ or any other sites identified as potential site, within the State by the Nodal Agency or Developer/s.

## **5. Wheeling of Electricity**

### **5.1. For Captive Consumption:**

a) **Wheeling of power to consumption site at 66 KV voltage level and above.**

The wheeling of electricity generated from the Wind Power Generators, to the desired location(s) within the State, shall be allowed on payment of transmission charges and transmission losses applicable to normal Open Access Consumer.

b) **Wheeling of power to consumption site below 66 KV voltage level.**

- i. The wheeling of electricity generated from the Wind Power Generators, to the desired location(s) within the State, shall be allowed on payment of transmission charges, otherwise applicable to normal Open Access Consumer and transmission and wheeling losses @ 10% of the energy fed to the grid. The above loss is to be shared between the transmission and distribution licensee in the ratio of 4:6. This provision shall be applicable to the WEGs who are having more than one WTGs.
- ii. The wheeling of electricity generated by smaller investors, having only one WTG in the State, to the desired location(s), shall be allowed on payment of transmission charges, otherwise applicable to normal open access consumer, and transmission and wheeling losses

@ 7% of the energy fed to the grid. The above losses are to be shared between the transmission and distribution licensee in the ratio of 4:3.

## **5.2. For Third party sale**

The Wind Power Projects availing open access for third party sale shall be liable to pay open access charges and losses as applicable to normal open access consumers. Set off of wheeled energy at recipient unit(s) shall be carried out in the same 15 minute time block. Banking facility shall not be available for third party sale of energy.

## **5.3 Wheeling at Multiple Locations**

Wind Energy Generator owner, who desires to wheel electricity at more than two locations, shall pay 5 paise per unit on energy fed into the grid to the Distribution Company concerned in whose area power is consumed in addition to the above mentioned transmission charges and losses, as applicable.

## **6. Exemption from payment of Electricity Duty and Cross Subsidy charges:**

The electricity generated from the Wind turbine generator/s shall be exempted from payment of Electricity Duty, in accordance with the provisions of the Gujarat Electricity Duty Act 1958 and its amendments from time to time.

Wheeling of wind energy for third party sale and captive use shall be exempted from cross subsidy charge.

## **7. Sale of Energy to Distribution Utilities:**

### **7.1 Sale under Preferential tariff :**

- (i) The electricity generated from the WTGs commissioned from 8.08.2012, may be sold to GUVNL and / or any Distribution Licensee within the state, at a rate of Rs. 4.15 per unit of electricity as per GERC order. The requisite Power Purchase agreement (PPA) shall be done between the power procurer and the eligible unit.
- (ii) GUVNL and /or any Distribution licensee may purchase surplus power from WTGs wheeling power for their captive use after adjustment of energy against consumption at recipient unit(s) at a rate of 85% of tariff applicable to WTGs (Commissioned during the Control Period of Hon'ble GERC's Wind tariff order. )

WTGs opting for captive use of energy generated shall be eligible to get set off against the energy during peak and normal hours as specified by the GERC in its tariff order. The WTGs under captive use shall be eligible for one month banking for the electricity generated during the same calendar month.

### **8. Third party sale of Energy:**

The sale of electricity generated from the WTGs shall also be allowed to a third party, in accordance with the GERC Regulations / order, as amended from time to time.

### **9. Land**

The WTGs may be set up on private land, or revenue wasteland allotted by the State Government / GEDA land, if available. The allotment of GEDA land on lease shall be done upon approval of the Coordination Committee consisting of the following members. Issues other than the allotment of GEDA land including interpretation of any of the provisions of this Policy will also be decided by a Committee of following members:

1.	ACS/ PS/ Secretary (EPD)	Chairman
2	AS/ JS/ Deputy Secretary (EPD)	Member
3	Chief Electrical Inspector & Collector of Elect. Duty	Member
4	General Manager (Comm.), GUVNL	Member
5	Respective District Collector	Member
6	Director, GEDA	Member Secretary

### **10. Plant and Machinery:**

Second hand WTGs shall not be eligible for installation under this Policy. Only such WTGs which are approved either by Ministry of New and Renewable Energy, Government of India, or by recognized international test houses, shall be eligible.

### **11. Metering of Electricity:**

The metering point shall be at the 66 kV pooling substation located at the Wind farm site and Interconnection point shall be the point of connection at the nearest GETCO substation. For the purpose of energy accounting, the ABT compliant meter shall be installed at the metering point, as per GERC

order. The ABT meter shall conform to the Central Electricity Authority (Installation and Operation Meters) Regulations, 2006. The Project developers will have to install Remote Transmitting Unit (RTU) for transferring real time data to SLDC for its monitoring purpose. The electricity generated from the WTGs, shall be metered and readings taken jointly by Wind power project developer with GEDA and GETCO/DISCOM at the metering point, on a monthly basis.

Further, for the purpose of accounting and facilitating RRF mechanism, each WTG shall have to provide ABT compliant meters.

### **12. Scheduling of Wind Power:**

All Wind Power Projects including captive and third party sale projects should submit a day ahead schedule to SLDC and share real time data with SLDC. However, Wind Power Projects are kept out of the preview of intra state ABT mechanism.

### **13. Reactive Power Charges:**

The drawl of reactive power shall be charged as per the GERC order, as amended from time to time.

### **14. Sharing of Clean Development Mechanism (CDM) Benefits**

The sharing of net proceeds on account of CDM benefits realized through sale of CER generated from corresponding annual energy generation should be as follows:

100% of net proceeds through sale of CER generated from the energy generation in the first year after the date of commercial operation of the wind power project shall be retained by the eligible unit.

In the second year, the share of the beneficiary shall be 10% which shall be progressively increased by 10% every year till it reaches 50% in the sixth year; thereafter the proceeds shall be shared in equal proportion by the eligible unit and the beneficiary.

Wind power projects availing CDM benefit shall share the net CDM proceeds annually as per above, by 31 March of every year with affidavit stating the annual energy generation (date of commissioning as starting point of the first year), CER generated, gross receipts, and net receipts.

At the end of every financial year i.e on 31<sup>st</sup> March, the WTG owner shall share the net CDM proceeds, as per above provisions, annually and submit an affidavit to GUVNL/Distribution licensee, stating the annual energy

generation (date of commissioning as starting point of the first year), CER generated, gross receipts, and net receipts.

**15. Banking of Surplus Wind Energy:**

WTGs opting for captive use of the energy generated shall be eligible to get set off at the recipient unit(s) against the energy during peak and normal hours as specified by the Commission from time to time. The WTGs are eligible for one month banking for the electricity generated during the same calendar month. However, they are eligible to utilize the same during the month in proportion to the energy during peak and normal hour period.

**16. Nodal Agency:**

GEDA shall be the nodal agency for implementation of the Wind Power Policy – 2013. The Nodal Agency shall prescribe the procedure for implementation of the Policy.

**17. Renewable Purchase Obligation (RPO)**

Each distribution licensee shall purchase electricity generated from all renewable energy sources (Wind / Solar / Biomass/ Bagasse Cogeneration/ Mini/ Micro hydel / Geothermal etc) as per order of the Gujarat Electricity Regulatory Commission (GERC) from time to time.

**18. Grid Connectivity and Evacuation facility up to GETCO substation:**

The evacuation facility from the Wind Farm sub-station to GETCO substation within the range of 100 km shall be erected by developer at their own cost and beyond this limit, GETCO shall erect the evacuation facilities. The voltage level for evacuation of wind power in the grid shall be at 66 kV and above. The WTGs should be integrated by installing Remote Terminal Unit (RTUs) by Wind Farm Developers so that the injection can be monitored at the connectivity substation by the SLDC on real time basis, and in accordance with the GERC orders from time to time.

**19. Security Deposit**

The WTGs Developer shall be required to provide Bank Guarantee @ Rs. 5 lacs per MW to GETCO based on allotment of transmission capacity and in case the Developer fails to commission the Windfarm Substation and the transmission line within the time period mentioned hereunder, GETCO shall encash the Bank Guarantee.

Wind Farm Capacity in MW	Period for of Commissioning of the entire allotted Pooling Sub Station capacity.
1 MW to 100 MW	1.5 years from the date of allotment of transmission capacity.
101 MW to 200 MW	2 years from the date of allotment of transmission capacity.
201 MW to 400 MW	2.5 years from the date of allotment of transmission capacity.
401 MW to 600 MW	3.5 years from the date of allotment of transmission capacity.

Provided further that the developer shall commission Wind farms of at least 10% of the allotted capacity within one month of charging of evacuation line. Failing this, the developer shall be liable to pay long term transmission charges for 10% of allotted capacity till such 10% of allotted capacity is commissioned.

Notwithstanding anything contained in this resolution, the provisions of the Electricity Act- 2003, and GERC order as issued from time to time, shall prevail, for the purpose of the implementation of this policy.

This issues with the concurrence of the Finance Department dated:07-06-2013 on file of even number of this Department.

By order and in the name of the Governor of Gujarat.

SD/-

**(P.L.Panchal)**

Deputy Secretary to the Government of Gujarat  
Energy and Petrochemicals Department

Copy to:

- \*The Principal Secretary to H.E. The Governor of Gujarat, Raj Bhavan, Gandhinagar
- The Secretary, Ministry of Power, GoI, Shram Shakti Bhavan, New Delhi
- The Secretary, Ministry of New and Renewable Energy, CGO Complex, New Delhi
- The Principal Secretary to Hon. C. M., Sachivalaya, Gandhinagar
- The P.S. to Hon. MoS (E&P), Sachivalaya, Gandhinagar
- The Chairman, CERC, New Delhi
- The Chairman, Central Electricity Authority, New Delhi

- The Deputy Secretary to Chief Secretary, Sachivalaya, Gandhinagar
- The Secretary, GERC, Ashram Road, Ahmedabad
- \*The Registrar, Gujarat High Court, Ahmedabad
- \*The Secretary, Vigilance Commission, Gandhinagar
- The Principal Secretary, Finance Department, Sachivalaya, Gandhinagar
- The Principal Secretary, Revenue Department, Sachivalaya, Gandhinagar
- \*The Secretary, Gujarat Legislature Secretariat, Sachivalaya, Gandhinagar
- All Departments of Secretariat, Sachivalaya, Gandhinagar
- All Branches of Energy and Petrochemicals Department
- The Chairman, Power Finance Corporation Limited, New Delhi
- The Chairman and Managing Director, Gujarat Power Corporation Limited, Gandhinagar
- The Managing Director, Gujarat Urja Vikas Nigam Limited, Vadodara
- The Managing Director, Gujarat State Electricity Corporation Limited, Vadodara
- The Managing Director, Gujarat Electricity Transmission Corporation Limited, Vadodara
- The Managing Director, Uttar Gujarat Vij Company Limited, Mehsana
- The Managing Director, Madhya Gujarat Vij Company Limited, Vadodara
- The Managing Director, Daxin Gujarat Vij Company Limited, Surat
- The Managing Director, Paschim Gujarat Vij Company Limited, Rajkot
- The Managing Director, Gujarat State Energy Generation Limited, Gandhinagar
- The Director, Gujarat Energy Development Agency, Gandhinagar
- The Chief Electrical Inspector & Collector of Electricity Duty, Gandhinagar
- The Director, Gujarat Energy Research and Management Institute
- The Chief Executive Officer, Torrent Power Limited, Lal Darwaja, Ahmedabad
- The National Thermal Power Corporation Limited, Zapor, Gandhar, Dist. Bharuch
- The National Thermal Power Corporation Limited, Kawas, Hazira, Dist. Surat

\*By letter