

## **DEVBHUMI DWARKA WIND POWER PROJECT (63 MW)** **(UNDER OPERATION)**

The Project has an installed capacity of 63 MW comprising of 30 nos. Wind Turbine Generators (WTGs) installed in seven villages, namely Jampar, Kotadiya, Fot, Kandorna, Gundala, Gunda&Bajana situated in Bhanvad and Kandorna Wind farms in distt. Devbhumi Dwarka, Gujarat are approx. 190 Km from Rajkot and 410 Km from Ahmedabad each of 2.1 MW capacity. The overview of the Project is as under:

| S.N. | Particulars                        |                                                 |                                                 |
|------|------------------------------------|-------------------------------------------------|-------------------------------------------------|
| 1.   | Name of Site / Distt. / State      | Bhanvad, District DevbhumiDwarka, Gujarat       | Kandorna, District Devbhumi, Dwarka, Gujarat    |
| 2.   | Project Capacity (MW)              | 18.9 MW (09 x 2.1 MW)                           | 44.1 MW (21 x 2.1 MW)                           |
| 3.   | WTG Model                          | S97-120                                         | S97-120                                         |
| a    | WTG rating (kW)                    | 2100                                            | 2100                                            |
| b    | Hub Height (Mtr.)                  | 120                                             | 120                                             |
| c    | Rotor Diameter (Mtr.)              | 97                                              | 97                                              |
| 4.   | Type of Land                       | Revenue                                         | Revenue                                         |
| 5.   | Pooling Sub-Station near Wind farm | 132 /33 kV, 3x50 MVA, Gunda Pooling Sub-Station | 66 /33 kV, 2x25 MVA, Bajana Pooling Sub-Station |
| 6.   | GETCO Sub-Station                  | Bhomiavada GETCO SS                             | Babarzar GETCO SS                               |

### **COMMISSIONING OF PROJECT:**

The Project was commissioned on 31.03.2017. By commissioning of Project on 31.03.2017, THDCIL is eligible to receive Generation Based Incentive (GBI) to the extent of ₹ 63 Cr. from Govt. of India.

The expected Annual Energy Production (AEP) from the Project is 144.9 MU with 26.27% CUF. The Power Purchase Agreement (PPA) for the Project has been signed with Gujarat Urja Vikas Nigam Limited (GUVNL) at a fixed tariff of ₹ 4.19 / kWh for 25 years.

### **GENERATION:**

Details of generation from Devbhumi Dwarka Wind Power Project are as under:

| S. No.       | Year    | Generation (in MU) | CUF (%) |
|--------------|---------|--------------------|---------|
| 1            | 2016-17 | 0.1387             | 0.30 %  |
| 2            | 2017-18 | 149.447            | 27.08 % |
| 3            | 2018-19 | 182.887            | 33.14%  |
| 4            | 2019-20 | 177.83             | 32.13%  |
| 5            | 2020-21 | 136.44             | 24.72%  |
| 6            | 2021-22 | 156.90             | 28.43%  |
| 7            | 2022-23 | 140.75             | 25.50%  |
| 8            | 2023-24 | 140.34             | 25.28%  |
| 9            | 2024-25 | 130.87             | 23.72%  |
| <b>Total</b> |         | <b>1215.60</b>     |         |

The details of generation from Devbhumi Dwarka Wind Power Project for the current F.Y. 2025-26 are as under:

| S. N.                       | Quarter/ Month   | Target<br>(In MU) | Generation (in MU) | CUF (%)       |
|-----------------------------|------------------|-------------------|--------------------|---------------|
| 1                           | Apr'25 to Jun'25 | 44.20             | 40.99              | 29.724%       |
| 2                           | Jul'25 to Sep'25 | 40.05             | 37.91              | 27.18%        |
| 3                           | Oct'25           | 6.33              | 13.60              | 29.02%        |
| <b>Total (up to Oct'25)</b> |                  | <b>90.58</b>      | <b>92.50</b>       | <b>28.60%</b> |

Cumulative generation during F.Y. 2025-26 up to Oct'25 is 92.50 MU against the target of 90.58 MU and CUF achieved is 28.60%.