

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

The Project is having 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 Devbhumi Dwarka, 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 Rs. 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 Rs. 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%
Total		944.39	28.49%

The details of generation from Devbhumi Dwarka Wind Power Project for the current financial year 2023-24 are as under:

S. N.	Month	Target (In MU)	Generation (in MU)	CUF (%)
1	Apr'23 to Jun'23	38.60	34.23	24.88%
2	Jul'23 to Sep'23	39.50	46.21	33.21%
3	Oct'23	6.50	3.57	7.62%
4	Nov'23	12.00	9.47	20.88%
Total (up to Nov'23)		96.60	93.39	25.34%

Cumulative generation during FY 2023-24 up to Nov'23 is 93.39 MU against the target of 96.60 MU and CUF achieved is 25.34%.