



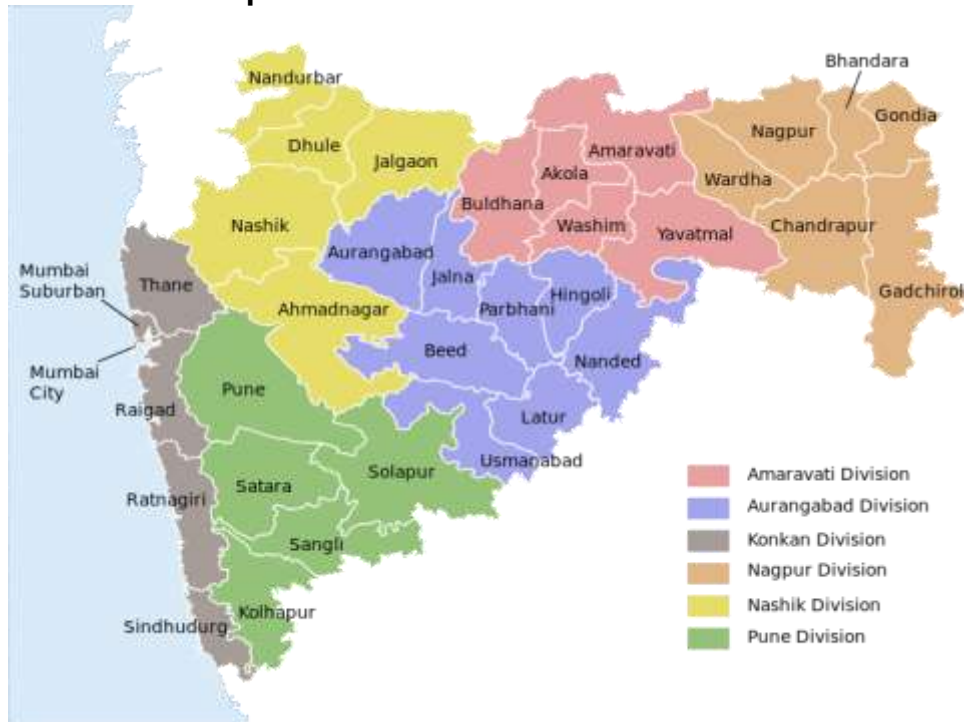
Wind Power Profile of Maharashtra

State Profile

Maharashtra State occupies the western & central part of the country and was formed on 1st May 1960. It has three broad physical divisions i.e. Konkan Coastland, Western Ghats or Sahyadris and Plateau Region. It has 35 districts and 315 tahsils. State extends from 15° 45' N to 19° 24' N latitudes and 73° 19' E to 76° 15' E longitudes. It has geographical area of about 3.08 lakh sq. Km and the population of the State is 11.24 crore (2011 Census).

Maharashtra has a long coastline stretching nearly 720 km along the Arabian Sea. The Sahyadri mountain ranges provide a natural backbone to the State on the west, while the Satpuda hills along the north and Bhamragad-Chiroli Gaikhuri ranges on the east serve as its natural borders. The State is surrounded by Gujarat to the north west, Madhya Pradesh to the north, Chhattisgarh to the east, Telangana to the south east, Karnataka to the south and Goa to the south west. The State enjoys tropical monsoon climate. The hot scorching summer from March onwards is followed by monsoon in early June.

District wise Map of Maharashtra



Grid-Connected Renewable Energy Projects (MW) (MNRE)

Sr. No.	Renewable Energy Source	Cumulative capacity as on 30.06.2019
1	Wind	4794.13
2	small-Hydro*	375.57
3	Bagasse based co-gen	2499.70
4	Non Baggasse Co-Gen	16.40
5	Waste to Energy	12.59
6	Industrial waste**	0.0
7	Solar	1643.85
	Total (MW)	9342.24

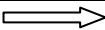
Installed Capacity (in MW) of Power Utilities In Maharashtra Including Allocated Shares In Joint & Central Sector Utilities (CEA)

SN	Source	Capacity in MW as on 31.03.2019
1	Coal	27293.80
2	Lignite	0.00
3	Gas	3512.73
4	Diesel	0.00
5	Nuclear	690.00
6	Hydro	3331.84
7	Renewable	9315.53
	Total	44143.90

*small-Hydro Power Projects are implemented by Irrigation Department, Govt. of Maharashtra.

** Industrial waste projects are inclusive of grid connected-8.725MW and captive (Off-grid)-25.988MW power projects.

Wind Power Installable Potential as per Wind Atlas 2015 by NIWE

Wind Potential @100m Hub Height	Rank I	Rank II	Rank III	Total
Type of Land 	Waste Land	Cultivable Land	Forest Land	
Potential in MW	31155	13747	492	45394

Rank I	Waste Land	NRSC Level –II Classification Values	12, 13, 15, 19
Rank II	Cultivable Land	NRSC Level –II Classification Values	2, 3, 4, 5, 6, 10, 18
Rank III	Forest Land	NRSC Level –II Classification Values	7, 8, 9

Installable Potential assessed by NIWE earlier was 5439MW at 50m Hub Height and 5961MW at 80m Hub Height.

Wind Monitoring Stations Established in the State as on 31.03.2017: 140

Demonstration Wind power Projects Funded by the Government in the State as on 31.03.2017

Number of Wind Turbines: 47

Capacity installed: 11.09MW

Wind Power Installed capacity as on 30th June 2019: 4794.13MW

Some Wind Farms in Maharashtra

Power plant	Producer	Location	MW
Welturi	ReNew Power	Welturi	75
Jath	ReNew Power	Jath	84
Vaspert	ReNew Power	Vaspert	144
Vankusawade Wind Park	Suzlon Energy Ltd.	Satara District.	259
Dhalgaon windfarm	Gadre Marine Exports	Sangli	278
Brahmanvel windfarm	Parakh Agro Industries	Dhule	528
	Vibrant Greentech		
Wind Energy Project, Thoseghar		Thoseghar	
Chalkewadi Wind Farm		Satara	
Supa Wind Farm		Supa	2

List of potential sites vetted by NIWE for Wind Power Projects in Maharashtra (WPD>200W/m² at 50magl) (As on 31.03.2016) (Please click below)

https://www.mahaurja.com/meda/data/grid_wind_power/Windy%20sites%20in%20MAH.PDF

Wind Power Policies in the State (03.06.2019)

SN	Policy Parameters	Maharashtra
1	Policy Date & Link	
2	Tariff Order Date & Link	30th April 2019
3	Feed in Tariff competitive Bidding in Rs./kWh	2.52 as the Ceiling Price for Competitive Bidding
4	APPC Rs./kWh	3.69

RPO Compliance Report of the State for FY 2017-18 Page-1

Total Energy Consumed, (MU)	Solar RPO Obligation, (%)	Solar RPO Obligation, (MU)	Non Solar RPO Obligation (%)	Non Solar RPO Obligation, (Mu)	Total Obligation, (%)	Total Obligation, (MU)
1	2	3	4	5	6	7
149528	4.75	7102.6	9.5	14205.2	14.25	21307.7

RPO Compliance Report For FY 2017-18 -Continued

Actual Compliance Of Solar RPO, (%)	Actual Compliance Of Solar RPO, (MU)	Actual Compliance Of Non Solar RPO (%)	Actual Compliance Of Non Solar RPO, (MU)	Total Compliance, (%)	Total Compliance, (MU)	Category
8	9	10	11	12	13	14
0.74	1100.7	7.31	10936.3	8.05	12037	56.49%

State Energy Agencies and Addresses

Minister for Energy, New and Renewable Energy,

Government of Maharashtra, 2nd Floor, Main Building, Mantralaya,
Madam Cama Road, Hutatma Rajguru Square, Nariman Point, Mumbai – 400032
Phone: 022- 22024592, 22025308, Email: min.energy@maharashtra.gov.in

Principal Secretary, Energy

Energy Department, Government of Maharashtra
Mantralaya, Mumbai 400032
Phone: 022-22026767, 2647213, Email: psec.energy@maharashtra.gov.in

Maharashtra Electricity Regulatory Commission (MERC)

World Trade Centre, Centre No. 1, 13th Floor, Cuffee Parade, Mumbai – 400 005.
Phone : 022- 22163964/22163965/ 22163969, Email: Mercindia@mercindia.com
Website: www.mercindia.com

Maharashtra Energy Development Agency (MEDA)

Office address: 191 A 2nd Floor, MHADA Commercial Complex,
Maharashtra Co-Operative Housing Society, Opp: Tridal Nagar,
Yerawada, Pune-411006
Website: <http://www.mahaurja.com/>
Phone: 020-26614393 / 26614403, Email: dq@mahaurja.com

Maharashtra State Power Generation co. Ltd. (MAHAGENECO)

Managing Director, Prakashgad, Plot No. G-9, Bandra (East) Mumbai-400 051
Phone: 022-26474211, Email: md@mahagenco.in
Website: <http://www.mahagenco.in/>

Maharashtra State Electricity Transmission Company Ltd. (MAHATRANSCO)

Chairman & Managing Director, HSBC Bank Building,
M.G.Road, Fort, Mumbai- 400 001
Website: <http://www.mahatransco.in>
Phone: 022- 22610061, 22619100, Email: md@mahatransco.in

Maharashtra State Electricity Distribution Company Ltd. - (MSEDCL)

Managing Director, Hongkong Bank Building, M.G. Road, Fort, Mumbai-400001
PBX - 022 - 22619100, 22619200, 22619300
Phone: 022- 22619499, 22619100, Email: md@mahadiscom.in
Website: <http://www.mahadiscom.in/>

Maharashtra State Load Despatch Center

Chief Engineer

Phone: 022-27601931, 27601762

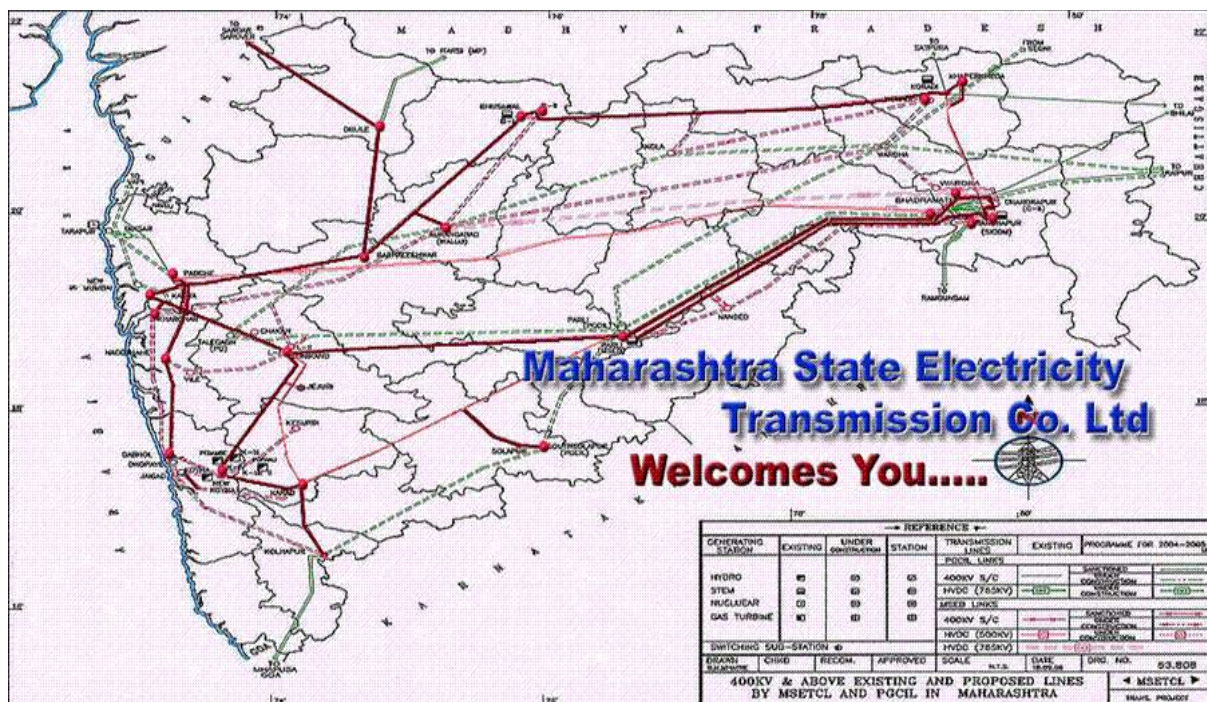
Email: cesldc@mahasldc.in, cesldc@mahatransco.in

Western Regional Load Despatch Centre

F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093,

Phone: 022-28202690

Maharashtra Transmission Network



Power Map of Maharashtra

Source: MahaTransco