

Highlights

- Maharashtra has installed capacity of 3325 MW renewable energy projects. (as on 31st March, 2011)
- The largest Wind Monitoring Programme in the Country (339 sites)
- The India's largest Solar Cooking System (17,000 Meals) at Shirdi.
- The largest installation of Wind Solar Hybrid Systems in India (745 kW)
- The first state to formulate Green Power Development Fund @ 8 paise per unit on industrial & commercial consumption.
- The first state in the country to initiate action on Geothermal Power Projects.
- MEDA is the first public sector organization in India to register its 3.75 MW grid connected wind project under CDM.
- Solar Water Heating – Achievement of (4.26 lakhs sq. m. collector area)
 - 251 MW Peak Load Shaving.
 - 3.76 lakhs tonnes of CO₂ mitigation.

Non-conventional & Renewable Energy

(Rs. in crores)

Sr. No.	Scheme Name	11 th Five Year Plan Projected Outlay (2007-12)	Actual Expenditure 2007-08 to 2010-11	approved outlay of 2011-12	Total exp. in 11 th Five Year Plan (2007-12)	12 th Five Year Plan Projected Outlay (2012-17)
1	Non-conventional & Renewable Source of Energy (N.R.S.E.)	85.95	32.11	21.00	53.11	150.00
2	Tribal Sub Plan (T.S.P.)	34.84	20.97	7.00	27.97	49.00
3	Schemes under Green Cess Fund (G.C.F.)	714.21	0.00	54.00	54.00	1088.00
	Total	835.00	53.08	82.00	135.08	1287.00

Renewable Energy scenario in Maharashtra Potential & Achievements

Sr. No.	RE Resources	Potential in Maharashtra (MW)	Achvt. as on 31/3/2011 MW	11 th Five Year Plan Target (MW)	11 th Five Year Plan -Target Achieved (MW)
1	Wind	5439	2309.76	1500	1126
2	Small Hydro	732	256.22	100	59
3	Bagasse Co-gen	1250	576.50	1000	438
4	Biomass	781	155.00	400	167
5	MSW & Liquid waste	287	0.00	10	0
6	Industrial Waste	350	10.85	350	0
7	Solar Thermal Solar Photovoltaic	35 MW / sq.km. 49 MW / sq.km.	17.00	0	142
	Total	8839	3325.33	3360	1932

Renewable Energy Capacity Addition from 2012-13 to 2016-17

Sr. No.	RE Resources	2012-13 MW	2013-14 MW	2014-15 MW	2015-16 MW	2016-17 MW	Total MW
1	Wind	300	300	300	300	300	1500
2	Small Hydro	10	10	10	10	10	50
3	Bagasse Co-gen	50	50	50	50	50	250
4	Biomass	30	30	30	30	30	150
5	Industrial Waste	2	2	2	2	2	10
6	MSW & Liquid waste	1	1	1	1	1	5
7	Solar Thermal & Photovoltaic	125	100	100	100	100	525
	Total	568	493	493	493	493	2490

Programme of Non-conventional & Renewable Source of Energy (N.R.S.E.)

(Rs. in crores)

Sr N	Name of programme and systems	Units	2012-13		2013-14		2014-15		2015-16		2016-17		Grand Total	
			Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share
1	Wind Monitoring Stations	No.	25	1.80	25	1.80	25	2.00	25	2.00			100	7.60
2	Briquating Project on Agro-waste	No.	10	0.40	10	0.40	10	0.40	0	0.00	0	0.00	30	1.20
3	Solar Home light in Common Study Room	village	5000	12.50	5000	13.75	5000	15.15	5000	16.65	5000	18.30	25000	76.35
4	Energy Saving Street lights in Grampanchayat	Units	15000	2.25	15000	2.47	15000	2.50	10000	2.00	10000	2.00	65000	11.22
5	Installation of E.C. devices in Municipal Councils - street light & water supply schemes	Nos.	12	3.00	12	3.00	15	3.75	15	3.75	20	5.00	74	18.50
6	Demo project in Govt. / Semi Govt. office buildings of E.C.	Nos.	12	3.00	12	3.00	15	3.75	15	3.75	20	5.00	74	18.50
7	Energy Saving Awareness Programme			0.75		0.88		1.00		1.00		1.00	0	4.63
8	Publicity & Exhibition			2.00		2.20		2.40		2.60		2.80	0	12.00
		Total		25.70		27.50		30.95		31.75		34.10		150.00

Programme of Tribal Sub Plan (TSP)

(Rs. in crores)

Sr N	Name of programme and systems	Units	2012-13		2013-14		2014-15		2015-16		2016-17		Grand Total	
			Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share
1	Solar Home light in Common Study Room	Nos.	300	0.75	300	0.83	300	0.92	300	1.00	300	1.10	1500	4.60
2	Solar Energy applications in Ashram Shalas - Home Light, Street Light, Water Heating System & Power Pack	Nos.	25	3.25	25	3.60	25	3.96	25	4.34	25	4.85	125	20.00
3	Wind Solar Hybrid System in Ashramshala & Hostels	Nos.	15	1.50	15	1.60	15	1.80	15	2.00	15	2.20	75	9.10
4	Solar Photovoltaic Pump in villages	Nos.	15	0.45	15	0.50	15	0.55	20	0.80	20	0.90	85	3.20
5	Energy Saving Street lights in Grampanchayat	Nos.	5000	0.75	5000	0.85	5000	0.90	5000	1.00	5000	1.10	25000	4.60
6	Installation of EC devices in Municipal Councils	Nos.	6	1.50	6	1.50	6	1.50	6	1.50	6	1.50	30	7.50
		Total		8.20		8.88		9.63		10.64		11.65		49.00

Programme under Green Cess Fund (GCF)

(Rs. in crores)

Sr N	Name of programme and systems	Units	2012-13		2013-14		2014-15		2015-16		2016-17		Grand Total	
			Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share	Targt.	St. share
1	Infrastructure Development Prog.													
a	Wind Power Project	MW		69.00		100.00		100.00		100.00		102.00	0	471.00
b	Biomass Power Project	Nos.	9	18.00	7	14.00	8	16.00	8	16.00	3	6.00	35	70.00
c	Bagasse Co-generation Power Project	Nos.	29	58.00	5	10.00	5	10.00	5	10.00	6	12.00	50	100.00
d	Small Hydro Power Project			0.00		42.00		42.00		42.00		42.00	0	168.00
e	Repairs of the PWD roads			69.00		0.00		0.00		0.00		0.00	0	69.00
2	Capital Subsidy - Co-gen projects	Nos.	10	10.00	10	10.00	10	10.00	10	10.00	10	10.00	50	50.00
3	Urjankur Nidhi Trust Fund			50.00		50.00		60.00					0	160.00
		Total		274.00		226.00		238.00		178.00		172.00		1088.00