

The Brighter Plan 2032

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1. Decarbonisation & Air Emissions Control	1.(a) Decarbonisation	KPIs	Base	Year Wise Progress					Target
			FY 2012	FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
		1. Specific CO2 emission (gm/kwh)	860.93	869.90	840.25	843.64	842.97	834.81	713.74
		a. Total Emission(MMT)	206.87	252.44	263.90	304.15	336.61	353.29	373.62
		b. Gross Generation (BU)	240.31	290.19	314.07	360.52	399.31	422.20	523.47
		c. Total Capacity (GW)	37.00	62.11	65.81	68.96	71.59	74.63	128.00
		2. Net Energy Intensity (MJ/kWheq)	10.56	10.52	10.11	10.08	10.01	9.97	9.29
		3. Non-Fossil based generation Capacity (%)		0.07	0.08	0.08	0.11	0.10	37 GW
		4. Share of super/ ultra-super critical technologies out of total coal capacity (%)		26.18% (13.38 GW)	30.06 % (16.3 GW)	36%. (20.4 GW)	36% (21.06 GW)	39.61% (24.64 GW)	45.7 GW
			FY 2012	FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
1.(b) Air Emissions	5. Specific SO2 emissions (gm/kwh)*	3.37	4.41	4.94	4.50	4.43	4.41	0.70	
	a. Total SO2 emissions (MT)	810287.20	1279366.16	1552253.67	1621348.84	1767822.17	1863639.27	366425.00	
	6. Specific NOx emissions (gm/kwh)	1.98	2.11	1.93	1.78	1.65	1.59	1.00	
	a. Total NOx emissions (MT)	476222.73	612983.06	605812.20	640419.16	660768.95	671807.38	371000.00	
	7. Specific PM emissions (gm/kwh)	0.46	0.31	0.28	0.25	0.23	0.23	0.18	
	a. Total PM emissions (MT)	109544.49	89246.82	88431.33	91115.35	89859.50	96752.02	66780.00	

			FY 2012	FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
2. Water and Biodiversity Conservation	2.(a) Water	8. Specific water consumption (l/kwh)	3.81	2.93	2.90	2.76	2.69	2.68	2.50
		a. Total Fresh Water Consumption (MCM)	626.39	849.40	910.22	997.37	1073.78	1132.75	1308.68
		b. Gross Generation (BU)	164.31	290.19	314.07	360.52	399.31	422.20	523.47
		c. Total Capacity (GW)	2.69	62.11	65.81	68.96	71.59	74.63	128.00
		9. Domestic Water Consumption(l/ day/ capita)				612.45	130.00		120.00
		10. Recycled Water Consumption (%)				0.97	0.97	0.99	1.00
		11. Increase in fresh water availability through sustainable measures (%)	0.17 MCM (2018)	0.19 MCM	12.182 MCM	6.926 MCM	4.5 MCM	5.02 MCM	0.70
	2.(b) Biodiversity		FY 2012	FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
		12. Wildlife/ Biodiversity conservation/ protection projects (No.)		10.00	16.00	16.00	16.00	16.00	25.00
		13. Tree plantation (No.)		35 Million tress	36 Million tress	37 Million tress	38 Million tress	39 Million tress	47 Million tress
3. Health and Safety			FY 2012	FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
		14. Fatality (No.)	15.00	21.00	7.00	5.00	5.00	5.00	0.00
		15. Frequency Rate (No.)	0.34	0.32	0.10	0.08	0.08	0.08	0.12
		16. Occupational disease rate	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		17. Employee Sickness Absence Rate (No. of days/ employee/ year)			4.00	3.34	12.82	6.08	below 2

4. Circular Economy		FY 2012	FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
	18. Ash utilisation (%)	0.55	0.76	0.79	0.82	0.83	0.92	1.00
	19. Recycling of Waste (%)				0.82	0.84	0.97	1.00
	20. Cum. Biomass Co-firing (MT)		6500.00	28500.00	40386.00	20034.00	171719.04	1 Million Tonnes

5. Community Development		FY 2012	FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
	21. Number of beneficiaries (no.)			6 million	7 Million	8 Million	9 Million	16.3 Million

6. Strong Finance & Ethics		FY 2012	FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
	22. Market Share (%)		0.22	0.26	0.24	0.25	0.24	0.25
	23. Revenue from other Business Streams (Non-fossil based business (%))		0.08	0.13	0.13	0.11	0.10	0.25
	a. Total Revenue (Rs. Crore)		95158.15	115482.64	134994.31	177977.17	180605.13	
	b. Revenue from Cons., Trading & Non-Fossil generation		7565.00		17282.81	19139.93	9642.21	
	24. Adverse Cases of Business Ethics (No.)		45.00	60.00	63.00	9.00	0.00	0.00

		FY 2020	FY 2021	FY2022	FY2023	FY2024	FY 2032
25. Critical Suppliers Audited for ESG (%)		0.00	0.00	0.00	0.08	0.07	30% of vulnerable suppliers
a. No. of critical suppliers			12516.00	13455.00	471.00	401.00	
26. Capacity Building programmes (No. of beneficiaries)		0.00	104.00	39.00	52.00	43.00	1000 Suppliers