

The Brighter Plan 2032

1. Decarbonisation & Air Emissions Control	1. (a) Decarbonisation	KPIs	Base	Year Wise Progress					Target	
			2012	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032
		1. Specific GHG (Scope 1+2) emission (gm/ kwh)	860.93	869.9	840.2	843.6	842.97	834.81	844.5067	713.74
		a. Total Scope (1 +2) GHG Emission(MMT)	206.87	252.4	263.9	304.1	336.6	353.3	370.47	373.62
		b. Gross Generation (BU)	240.31	290.2	314.1	360.5	399.3	422.2	438.68	523.47
	c. Total Capacity (GW)	37	62.1	65.8	69.0	71.6	74.6	79.93	128	
	2. Net Energy Intensity (MJ/kWheq)	10.56	10.5	10.11	10.08	10.01	9.97	10.04	9.29	
	3. Non-Fossil based generation Capacity (%)		7.24%	7.71%	8.09%	10.72%	9.72%	13.21%	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)	40.25 % (25.30 GW)	45.7 GW	
1. (b) Air Emissions		2012	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032	
	5. Specific SO ₂ emissions (gm/ kwh)*	3.37	4.41	4.94	4.5	4.43	4.41	4.08	0.700	
	a. Total SO ₂ emissions (MT)	810287	1279366	1552253.67	1621348.84	1767822.17	1863639.27	1792789.69	366425	
	6. Specific NO _x emissions (gm/ kwh)	1.98	2.11	1.93	1.78	1.65	1.59	1.58	1.000	
	a. Total NO _x emissions (MT)	476223	612983	605812.2028	640419.16	660768.9531	671807.3829	692467.75	371000	
	7. Specific PM emissions (gm/ kwh)	0.46	0.31	0.28	0.25	0.23	0.23	0.21	0.180	
	a. Total PM emissions (MT)	109544	89247	88431.32705	91115.35	89859.50	96752.02	90655.64	66780	
2. Water and Biodiversity Conservation	2. (a) Water		2012	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032
		8. Specific water consumption (l/kwh)	3.81	2.93	2.90	2.76	2.69	2.68	2.58	2.5
		a. Total Fresh Water Consumption (MCM)	626.39	849.4	910.22	997.37	1073.78	1132.75	1134.00	1308.675
		b. Gross Generation (BU)	164.31	290	314	361	399	422.2	438.7	523.47
		c. Total Capacity (GW)	2.69	62.11	65.81	68.962	71.594	74.63	79.93	128
		10. Recycled Water Consumption (%)				97%	97%	99%	99%	100%
	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	8.36 MCM	.289 MCM	
	2. (b) Biodiversity			FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032
		12. Wildlife/ Biodiversity conservation/ protection projects (No.)		10	16	16	16	16	16	25
13. Tree plantation (No.)			35 Million tress	36 Million tress	37 Million tress	38 Million tress	39 Million tress	40 Million tress	47 Million tress	
3. Health and Safety		2012	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032	
	14. Fatality (No.)	15	21	7	5	5	5	4	0	
	15. Frequency Rate (No.)	0.34	0.32	0.1	0.08	0.08	0.08	0.09	0.12	
	16. Occupational disease rate	0	0	0	0	0	0	0	0	
	17. Employee Sickness Absence Rate (No. of days/ employee/ year)			4	3.34	12.82	6.08	5.69	below 2	
4. Circular Economy		2012	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032	
	18. Ash utilisation (%)	55.01%	76%	79.38%	81.67%	83.34%	92.00%	98.09%	100%	
	19. Recycling of Waste (%)				82.00%	84.00%	63.00%	64.62%	100%	
	20. Cum. Biomass Co-firing (MT)		6,500.00	28,500.00	40,386.00	20,034.00	1,71,719.04	7,03,466.12	1 Million Tonnes	
5. Sustainability			FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032	

5. Community Development

21. Cumulative Number of beneficiaries (no.)		6 million	7 Million	8 Million	9 Million	16.3 Million	18.10 Million	18 million
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6. Strong Finance & Ethics

		FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032
22. Market Share (%)		22%	25.62%	24.28%	24.63%	24.00%	24.00%	25%
23. Revenue from other Business Streams (Non-fossil based business (%))		7.95%	13.00%	12.80%	10.75%	10.00%	9.32%	25%
24. Adverse Cases of Business Ethics (No.)		45	60	63	9	0	1	0

7. Sustainable Supply Chain

		FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	2032
25. Critical Suppliers Audited/ Engaged for ESG (%)		0	0.24%	0.23%	7.85%	6.70%	7.20%	30% of vulnerable suppliers
26. Capacity Building programmes (No. of beneficiaries)		0	104	140	150	300	800	1000 Suppliers