

	2013-14	2023-24	2024-25 (till 31.01.2025)	2025-26	2029-30
Peak demand met in FY (GW)	130	240	250	270 (anticipated)	335 (anticipated)
Peak shortages in FY (%)	4.5	1.4	0.001	-	-
Energy Consumption (met) in FY (BU)	960	1622	1415	-	2388
Energy Shortage in FY (%)	4.2	0.3	0.1	-	-
Per capita Consumption in FY (kWh)	957	1395	1538	1636	2109
Installed Capacity on 31 March (GW)	249	442	466	526	777
Fossil Capacity on 31 March	168	243.2	246	261	276.5
Coal & Lignite	145.3	217.6	220.5	235.5	251.6
Gas	21.78	25.03	24.82	24.82	24.82
Non-fossil Capacity on 31 March (GW)	80.3	198.7	220.4	265	500.6
Nuclear-GW	4.8	8.2	8.2	10.58	15.48
Hydro-GW	35.8	42.2	43.2	45.1	54.9
Solar-GW	2.6	81.8	100.3	136.33	293
Wind-GW	21	45.9	48.3	55.5	100
Biomass and other RE	7.5	10.9	11.4	11.4	14.5
PSP-GW	4.75	4.75	4.75	7.4	34.7
BESS-GW	-	-	-	0.8	41.6
Share of Non-fossil Capacity (%)	32%	45%	47.3%	50.4%	64.4%
Power Import (MU)	5555	3863	8365	8501	
Power Export (MU)	2288	8576	9980	9993	
Net Export (MU)	- 3267	4713	1625	1492	
AT&C Loss (%)	22.62%	16.28%	15%	14%	10%
Avg Cost of Supply (₹/kWh)	5.19	7.09	7.30	7.52	8.22
ACS-ARR gap (₹/kWh)	0.78	0.19	0.10	0.05	0
Accumulated Financial loss on 31 March (₹ lakh Cr)	3.06	6.92	-	-	-

	2013-14	2023-24	2024-25 (till 31.01.2025)	2025-26	2029-30
Debt outstanding 31 Mar (₹ lakh Cr)	3.65	7.53	-	-	-
Transmission Network (≥ 220 kV) on 31 Mar (lakh ckm)	2.91	4.85	4.92	5.13	6.48*
Transformation capacity (GVA)	530	1251	1344	1444	2345*
Inter-regional Transfer Capacity (GW)	36	119	119	125	168*
InSTS Network (lakh ckm)	1.72	2.74	2.81	2.90	3.53*
InSTS Transformation capacity (GVA)	336	734	761	810	1130*
Distribution Network					
Distribution Substations (nos)	26,928	44,385	46,826	49,427	55,353
Distribution network (lakh ckm)	87.97	140.12	145.37	151.22	169.29
DTRs (crores)	0.70	1.67	1.74	1.82	2.14
DTRs (GVA)	408	827	881	944	1,184
Final Energy Consumption – Annual (Mn TOE)					
BAU	456	650	-	-	997
Achieved	450	597	-	-	908
Savings	6	53	-	-	89
Energy Intensity (KJ/Rs)					
CO₂ Emissions - Annual (Mn Tons)					
BAU	2653	3453	-	-	3936
Achieved	2607	3132	-	-	3250
Savings	46	321	-	-	686
Emission Intensity (gm CO ₂ /Rs)	27.8 (2005 levels)	17.79 (2020 levels)	-	-	15.28

*Anticipated figures for 2032