

Power Sector of Madhya Pradesh at a Glance

Total Generation Capacity allocated to Madhya Pradesh as on 30.06.2023		
Source	Capacity in MW	% Share
Thermal	16245	62.54%
Nuclear	382.50	1.47%
Large Hydro	3223.66	12.41%
Renewable	6124.51	23.58%
Total Capacity	25975.67	

PLF of Thermal Power Stations	
Financial Year	MPPGCL
FY 2021-22	44.40%
FY 2022-23	57.80%

RPO Trajectory: (%)				
[RPO is calculated in energy terms as a percentage of total consumption of electricity]				
Financial Year	Wind RPO MP	HPO MP	Other RPO MP	Total MP
2022-23	0.81	0.35	23.44	24.60
2023-24	1.60	0.66	25.13	26.89
2024-25	2.46	1.08	25.63	29.17
2025-26	3.36	1.48	26.13	30.97
2026-27	4.29	1.80	26.63	32.72
2027-28	5.23	2.15	27.13	34.51
2028-29	6.16	2.51	27.63	36.30
2029-30	6.94	2.82	28.13	37.89

Renewable Share (in total installed capacity) including large hydro	
Madhya Pradesh (As on 30.06.2023)	36.00%

Renewable Energy Sources		
[Present status of Grid Connected Renewable Energy As on 30.06.2023: (Capacity in MW)]		
Renewable Sources	Madhya Pradesh	
	MW	% Share
Large Hydro (Including PSP)	3224	34.49
Solar	3022	32.33
Wind	2844	30.42
Small Hydro	124	1.32
Bio Power	133	1.43
Total Renewable	9347	
<p>Note : Hydro power plants of 25 MW or below capacity are classified as small hydro, which have further been classified into micro (100 kW or below), mini (101 kW - 2 MW) and small hydro (2-25 MW) segments.</p>		

Transmission system Infrastructure				
Sl No	Voltage	EHV Lines (Ckt. Kms)	Net MVA Capacity	Net No. of Sub-stations
1	400 KV	4089.24	11200	14
2	220 KV	14934.26	31715	88
3	132 KV	22541.36	33855	312
Total		41564.86	76770	414
<p>Note : Status as on 31/03/2023</p>				