

STATUS OF LARGE HYDRO ELECTRIC POTENTIAL DEVELOPMENT

(In terms of Installed capacity - Above 25 MW)

As on 01.01.2025

Region/ State	Identified Capacity as per Reassessment Study (1978-87)	Exploitable Identified Capacity as per Reassessment Study (2017-23)	Capacity In Operation		Capacity Under Construction \$	
	(MW)	(MW)	(MW)	%	(MW)	(%)
NORTHERN						
Jammu & Kashmir	11567	12264.5	3360.0	27.40	3051.5	24.88
Ladakh	2046	707.0	89.0	12.59	0.0	0.00
Himachal Pradesh	18470	18305.0	10281.02	56.17	2446.0	13.36
Punjab	971	1300.73	1096.30	84.28	206.0	15.84
Haryana	64	0.0	0.0	0	0.0	0.00
Rajasthan	483	411.0	411.0	100.00	0.0	0.00
Uttarakhand	17998	13481.35	4035.35	29.93	1264.0	9.38
Uttar Pradesh	664	501.6	501.60	100.00	0.0	0.00
Sub Total (NR)	52263	46971.18	19774.27	42.10	6968	14.83
WESTERN						
Madhya Pradesh	1970	2819.0	2235.0	79.28	0.0	0.00
Chhattisgarh	2202	1311.0	120.0	9.15	0.0	0.00
Gujarat	590	550.0	550.0	100.00	0.0	0.00
Maharashtra	3314	3144.0	2647.0	84.19	0.0	0.00
Goa	55	0.0	0.0	0.00	0.0	0.00
Sub total (WR)	8131	7824.0	5552.0	70.96	0.0	0.00
SOUTHERN						
Andhra Pradesh	3261	2596.0	1610.0	62.02	1190.0	45.84
Telangana	1099	1302.0	800.0	61.44	0.0	0.00
Karnataka	6459	4414.4	3689.20	83.57	0.0	0.00
Kerala	3378	2472.75	1904.15	77.01	100.0	4.04
Tamil Nadu	1693	1785.2	1778.20	99.61	0.0	0.00
Sub Total (SR)	15890	12570.4	9781.55	77.81	1290.0	10.26
EASTERN						
Jharkhand	582	300.0	210.0	70.00	0.0	0.00
Bihar	40	130.1	0.0	0.00	0.0	0.00
Odisha	2981	2824.50	2154.55	76.28	0.0	0.00
West Bengal	2829	809.2	441.20	54.52	120.0	14.83
Sikkim	4248	6051.0	2282.0	37.71	620.0	10.25
Sub Total (ER)	10680	10114.8	5087.75	50.30	740.0	7.32
NORTH EASTERN						
Meghalaya	2298	2026.0	322.0	15.89	0.0	0.00
Tripura	0	0.0	0.0	0.00	0.0	0.00
Manipur	1761	615.0	105.0	17.07	0.0	0.00
Assam	650	643.0	350.0	54.43	120.0	18.66
Nagaland	1452	325.0	75.0	23.08	0.0	0.00
Arunachal Pradesh	50064	50394.0	1115.0	2.21	4880.0	9.68
Mizoram	2131	1926.7	60.0	3.11	0.0	0.00
Sub Total (NER)	58356	55929.7	2027.0	3.62	5000.0	8.94
ALL INDIA	145320	133410	42222.57	31.65	13997.5	10.49

Note:- 1. Does not include pumped storage Projects

2. In addition to above 8 PSS (4745.6 MW) are under operation, 6 PSS (7970 MW) are under construction, 4 PSS (4100 MW) are Concurred by CEA & 47 PSS (62510 MW) are under S&I

\$The above list includes 1 Multipurpose Project (MPP) namely Lakhwar MPP (300 MW) in Uttarakhand

Note -2 Multi purpose projects (International Projects) are under examination (India and Nepal) namely, Pancheshwar MPP (2400 MW) whose DPR is being revised & Rupali Garh Regulating Dam (120 MW) which is Under S&I

STATUS OF LARGE HYDRO ELECTRIC POTENTIAL UNDER DEVELOPMENT

(In terms of Installed capacity - Above 25 MW)

As on 01.01.2025

Region/ State	H.E. Projects concurred by CEA and yet to be taken up for construction #		H.E. Projects under Examination in CEA		H.E. Projects returned to project authorities		H.E. Projects under Survey & Investigation \$		Balance Capacity*	
	(MW)	%	(MW)	%	(MW)	%	(MW)	%	(MW)	(%)
NORTHERN										
Jammu & Kashmir	3119	25.43	0	0.00	390	3.18	1060	8.64	1088	8.87
Ladakh	0	0.00	0	0.00	0	0.00	95	13.44	618	87.41
Himachal Pradesh	937	5.12	0	0.00	400	2.19	0	0.00	4259	23.27
Punjab	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Haryana	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Rajasthan	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Uttarakhand	815	6.05	0	0.00	939	6.97	660	4.90	3988	29.58
Uttar Pradesh	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sub Total (NR)	4871	10.37	0	0.00	1729	3.68	1815	3.86	9953	21.19
WESTERN										
Madhya Pradesh	0	0.00	0	0.00	0	0.00	0	0.00	584	20.72
Chhattisgarh	0	0.00	0	0.00	0	0.00	0	0.00	1191	90.85
Gujarat	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Maharashtra	0	0.00	0	0.00	0	0.00	0	0.00	497	15.81
Goa	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sub total (WR)	0	0.00	0	0.00	0	0.00	0	0.00	2272	29.04
SOUTHERN										
Andhra Pradesh	0	0.00	0	0.00	0	0.00	0	0.00	26	1.00
Telangana	0	0.00	0	0.00	320	24.58	0	0.00	240	18.43
Karnataka	0	0.00	0	0.00	665	15.06	0	0.00	747	16.92
Kerala	0	0.00	0	0.00	0	0.00	800	32.35	419	16.94
Tamil Nadu	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sub Total (SR)	0	0.00	0	0.00	985	7.84	800	6.36	1432	11.39
EASTERN										
Jharkhand	0	0.00	0	0.00	0	0.00	0	100.00	90	30.00
Bihar	0	0.00	0	0.00	130.1	100.00	0	0.00	0	0.00
Odisha	0	0.00	0	0.00	0	0.00	0	0.00	677	23.97
West Bengal	0	0.00	0	0.00	0	0.00	90	11.12	196	24.22
Sikkim	520	8.59	0	0.00	0	0.00	0	0.00	2629	43.45
Sub Total (ER)	520	5.14	0	0.00	130.1	1.29	90	0.89	3592	35.51
NORTH EASTERN				0.00						
Meghalaya	85	4.20	0	0.00	0	0.00	270	13.33	1488	73.45
Tripura	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Manipur	0	0.00	0	0.00	0	0.00	0	0.00	510	82.93
Assam	0	0.00	0	0.00	60	9.33	0	0.00	143	22.24
Nagaland	186	57.23	0	0.00	0	0.00	0	0.00	64	19.69
Arunachal Pradesh	13798	27.38	1990	3.95	3523	6.99	17606	34.94	9694	19.24
Mizoram	0	0.00	0	0.00	0	0.00	0	0.00	1866.70	96.89
Sub Total (NER)	14069	25.15	1990	3.56	3583	6.41	17876	31.96	13765.70	24.61
ALL INDIA	19460	14.59	1990	1.49	6427.1	4.82	20581	15.43	31014.70	23.25

Note:- 1. Does not include pumped storage Projects

2. In addition to above 8 PSS (4745.6 MW) are under operation, 6 PSS (7970 MW) are under construction ,4 PSS (4100 MW) are Concurred by CEA & 47 PSS (62510 MW) are under S&I

\$ The above list includes 5 Multipurpose Projects (MPP) namely Upper Siang project (11200 MW) in Arunachal Pradesh, Bursar (800 MW) in J&K, Simsang Dam project (60 MW) in Meghalaya, Kishau MPP(660MW) in Uttarakhand & Drass Suru link project (95 MW) in Ladakh

In addition to above , DPR of one project namely Ujh Multipurpose Project (196 MW) is accepted by 148th meeting of Advisory Committee of DOWR, RD&GR on Irrigation, Flood Control & Multipurpose on 17.01.2022 but the PIB doesn't support proposal of Department of Water Resources, River Department and Ganga Rejuvenation in respect of Ujh Multipurpose project.

Note -2 Multi purpose projects (International Projects) are under examination(India and Nepal) namely, Pancheshwar MPP (2400 MW) whose DPR is being revised & Rupali Garh Regulating Dam (120 MW) which is Under S&I

* Balance Capacity is different from arithmetic calculation from the potential accessed due to change in capacity of the Projects, addition/deletion of the Projects and merger of two Projects into one etc.