

## STATUS OF LARGE HYDRO ELECTRIC POTENTIAL DEVELOPMENT

( In terms of Installed capacity - Above 25 MW)

As on 31.05.2024

Region/ State	Identified Capacity as per Reassessment Study (1978-87)	Exploitable Identified Capacity as per Reassessment Study (2017-23)	Capacity In Operation		Capacity Under Active Construction \$		Capacity on which Construction is held up	
	(MW)	(MW)	(MW)	%	(MW)	(%)	(MW)	(%)
<b>NORTHERN</b>								
Jammu & Kashmir	11567	12264.5	3360.0	27.40	3051.5	24.88	48	0.39
Ladakh	2046	707.0	89.0	12.59	0.0	0.00	0	0.00
Himachal Pradesh	18470	18305.0	10281.0	56.16	2446.0	13.36	44	0.24
Punjab	971	1300.73	1096.30	84.28	206.0	15.84	0	0.00
Haryana	64	0.0	0.0	0	0.0	0.00	0	0.00
Rajasthan	483	411.0	411.0	100.00	0.0	0.00	0	0.00
Uttarakhand	17998	13481.35	4035.35	29.93	1264.0	9.38	247	1.83
Uttar Pradesh	664	501.6	501.60	100.00	0.0	0.00	0	0.00
<b>Sub Total (NR)</b>	<b>52263</b>	<b>46971.18</b>	<b>19774.25</b>	<b>42.10</b>	<b>6968</b>	<b>14.83</b>	<b>339.0</b>	<b>0.72</b>
<b>WESTERN</b>								
Madhya Pradesh	1970	2819.0	2235.0	79.28	0.0	0.00	400	14.19
Chhattisgarh	2202	1311.0	120.0	9.15	0.0	0.00	0	0.00
Gujarat	590	550.0	550.0	100.00	0.0	0.00	0	0.00
Maharashtra	3314	3144.0	2647.0	84.19	0.0	0.00	0	0.00
Goa	55	0.0	0.0	0.00	0.0	0.00	0	0.00
<b>Sub total (WR)</b>	<b>8131</b>	<b>7824.0</b>	<b>5552.0</b>	<b>70.96</b>	<b>0.0</b>	<b>0.00</b>	<b>400.0</b>	<b>5.11</b>
<b>SOUTHERN</b>								
Andhra Pradesh	3261	2596.0	1610.0	62.02	1190.0	45.84	0	0.00
Telangana	1099	1302.0	800.0	61.44	0.0	0.00	0	0.00
Karnataka	6459	4414.4	3689.20	83.57	0.0	0.00	0	0.00
Kerala	3378	2472.75	1864.15	75.39	140.0	5.66	0	0.00
Tamil Nadu	1693	1785.2	1778.20	99.61	0.0	0.00	0	0.00
<b>Sub Total (SR)</b>	<b>15890</b>	<b>12570.4</b>	<b>9741.55</b>	<b>77.50</b>	<b>1330.0</b>	<b>10.58</b>	<b>0.0</b>	<b>0.00</b>
<b>EASTERN</b>								
Jharkhand	582	300.0	210.0	70.00	0.0	0.00	0	0.00
Bihar	40	130.1	0.0	0.00	0.0	0.00	0	0.00
Odisha	2981	2824.50	2154.55	76.28	0.0	0.00	0	0.00
West Bengal	2829	809.2	441.20	54.52	120.0	14.83	0	0.00
Sikkim	4248	6051.0	2282.0	37.71	620.0	10.25	417	6.89
<b>Sub Total (ER)</b>	<b>10680</b>	<b>10114.8</b>	<b>5087.75</b>	<b>50.30</b>	<b>740.0</b>	<b>7.32</b>	<b>417.0</b>	<b>4.12</b>
<b>NORTH EASTERN</b>								
Meghalaya	2298	2026.0	322.0	15.89	0.0	0.00	0	0.00
Tripura	0	0.0	0.0	0.00	0.0	0.00	0	0.00
Manipur	1761	615.0	105.0	17.07	0.0	0.00	0	0.00
Assam	650	643.0	350.0	54.43	120.0	18.66	0	0.00
Nagaland	1452	325.0	75.0	23.08	0.0	0.00	0	0.00
Arunachal Pradesh	50064	50394.0	1115.0	2.21	4880.0	9.68	0	0.00
Mizoram	2131	1926.7	60.0	3.11	0.0	0.00	0	0.00
<b>Sub Total (NER)</b>	<b>58356</b>	<b>55929.7</b>	<b>2027.0</b>	<b>3.62</b>	<b>5000.0</b>	<b>8.94</b>	<b>0.0</b>	<b>0.00</b>
<b>ALL INDIA</b>	<b>145320</b>	<b>133410</b>	<b>42182.55</b>	<b>31.62</b>	<b>14037.5</b>	<b>10.52</b>	<b>1156.0</b>	<b>0.87</b>

Note:- 1. Does not include pumped storage Projects

2.2.In addition to above 8 PSS ( 4745.6 MW) are under operation, 4 PSS (4050 MW) are under active construction, 1 PSS (80 MW) on which construction is held up ,1 PSS (1000 MW) is Concluded by CEA, 39 PSS (55930 MW) are under S&I & 13 PSS (13620 MW) are under S&I Held Up

\$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 31.05.2024

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 \$		H.E. Projects allotted for dev on which S&I is held up/ yet to be taken up		Balance Capacity*	
	(MW)	%	(MW)	%	(MW)	%	(MW)	%	(MW)	%	(MW)	(%)
<b>NORTHERN</b>												
Jammu & Kashmir	3119	25.43	0	0.00	390	3.18	1060	8.64	370	3.02	710	5.79
Ladakh	0	0.00	0	0.00	0	0.00	95	13.44	0	0.00	618	87.41
Himachal Pradesh	937	5.12	0	0.00	400	2.19	1144	6.25	2700	14.75	1037	5.67
Punjab	0	0.00	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	250	100.00	0	0.00	0	0.00
Rajasthan	0	0.00	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	741	5.50	628	4.66	2979	22.10
Uttar Pradesh	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<b>Sub Total (NR)</b>	<b>4871</b>	<b>10.37</b>	<b>0</b>	<b>0.00</b>	<b>1729</b>	<b>3.68</b>	<b>3290</b>	<b>7.00</b>	<b>3698</b>	<b>7.87</b>	<b>5344</b>	<b>11.38</b>
<b>WESTERN</b>												
Madhya Pradesh	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	184	6.53
Chhattisgarh	0	0.00	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	0	0.00
Maharashtra	0	0.00	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	0	0.00
<b>Sub total (WR)</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>1872</b>	<b>23.93</b>
<b>SOUTHERN</b>												
Andhra Pradesh	0	0.00	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	0	0.00	240	18.43
Karnataka	0	0.00	0	0.00	665	15.06	0	0.00	0	0.00	747	16.92
Kerala	0	0.00	0	0.00	0	0.00	800	32.35	0	0.00	419	16.94
Tamil Nadu	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<b>Sub Total (SR)</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>985</b>	<b>7.84</b>	<b>800</b>	<b>6.36</b>	<b>0</b>	<b>0.00</b>	<b>1432</b>	<b>11.39</b>
<b>EASTERN</b>												
Jharkhand	0	0.00	0	0.00	0	0.00	0	100.00	0	0.00	90	30.00
Bihar	0	0.00	0	0.00	130.1	100.00	0	0.00	0	0.00	0	0.00
Odisha	0	0.00	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	0	0.00	196	24.22
Sikkim	520	8.59	0	0.00	0	0.00	0	0.00	0	0.00	2212	36.56
<b>Sub Total (ER)</b>	<b>520</b>	<b>5.14</b>	<b>0</b>	<b>0.00</b>	<b>130.1</b>	<b>1.29</b>	<b>90</b>	<b>0.89</b>	<b>0</b>	<b>0.00</b>	<b>3175</b>	<b>31.39</b>
<b>NORTH EASTERN</b>				0.00								
Meghalaya	85	4.20	0	0.00	0	0.00	270	13.33	170	8.39	1434	70.78
Tripura	0	0.00	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	0	0.00	510	82.93
Assam	0	0.00	0	0.00	60	9.33	0	0.00	0	0.00	143	22.24
Nagaland	186	57.23	0	0.00	0	0.00	0	0.00	0	0.00	64	19.69
Arunachal Pradesh	13798	27.38	0	0.00	3523	6.99	19991	39.67	145	0.29	9566	18.98
Mizoram	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1866.70	96.89
<b>Sub Total (NER)</b>	<b>14069</b>	<b>25.15</b>	<b>0</b>	<b>0.00</b>	<b>3583</b>	<b>6.41</b>	<b>20261</b>	<b>36.23</b>	<b>315</b>	<b>0.56</b>	<b>13583.70</b>	<b>24.29</b>
<b>ALL INDIA</b>	<b>19460</b>	<b>14.59</b>	<b>0</b>	<b>0.00</b>	<b>6427.1</b>	<b>4.82</b>	<b>24441</b>	<b>18.32</b>	<b>4013</b>	<b>3.01</b>	<b>25406.70</b>	<b>19.04</b>

Note:- 1. Does not include pumped storage Projects

2..2. In addition to above 8 PSS ( 4745.6 MW) are under operation, 4 PSS (4050 MW) are under active construction, 1 PSS (80 MW) on which construction is held up , 1 PSS (1000 MW) is Concurred by CEA, 39 PSS (55930 MW) are under S&I & 13 PSS (13620 MW) are under S&I Held Up

\$ The above list includes 6 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 & Hathnikund Dam project (250 MW) in Haryana.

# 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.

And also for one project namely Sirkari Bhyol Rupsiabagar, it has been initiated by UJVNL that total cost has been estimated at Rs. 964.12 crore at price level of March 2023 and as per Section 8(1) of Electricity Act, M/S UJVNL is required to submit the DPR to State Government

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.