

STATUS OF LARGE HYDRO ELECTRIC POTENTIAL DEVELOPMENT

(In terms of Installed capacity - Above 25 MW)

As on 31.10.2024

| Region/ State | Identified Capacity as per Reassessment Study (1978-87) | Exploitable Identified Capacity as per Reassessment Study (2017-23) | Capacity In Operation | | Capacity Under 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 | 10281.0 | 56.16 | 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 | 19774.25 | 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 | 42222.55 | 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, 5 PSS (6050 MW) are under construction, 4 PSS (4100 MW) are Concurred by CEA & 44 PSS (60050 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 31.10.2024

| 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 \$ | | 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 | 1720 | 3.41 | 3523 | 6.99 | 17876 | 35.47 | 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 | 1720 | 3.08 | 3583 | 6.41 | 18146 | 32.44 | 13765.70 | 24.61 |
| ALL INDIA | 19460 | 14.59 | 1720 | 1.29 | 6427.1 | 4.82 | 20851 | 15.63 | 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, 5 PSS (6050 MW) are under construction ,4 PSS (4100 MW) are Concurred by CEA & 44 PSS (60050 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.