

STATUS OF HYDRO ELECTRIC POTENTIAL DEVELOPMENT

(In terms of Installed capacity - Above 25 MW)

As on 31.03.2018

Region/ State	Identified Capacity as per reassessment study		Capacity Under Operation		Capacity Under Construction		Capacity Under Operation + Under Construction		Capacity yet to be taken up under construction	
	Total	Above 25 MW								
	(MW)	(MW)	(MW)	%	(MW)	(%)	(MW)	(%)	(MW)	%
NORTHERN										
Jammu & Kashmir	14146	13543	3449.0	25.47	1935.5	14.29	5384.5	39.76	8158.5	60.24
Himachal Pradesh	18820	18540	9755.0	52.62	1885.0	10.17	11640.0	62.78	6900.0	37.22
Punjab	971	971	1096.3	100	206.0	21.22	1302.3	100.00	0.0	0.00
Haryana#	64	64	0.0	0	0.0	0.00	0.0	0.00	0.0	0.00
Rajasthan##	496	483	411.0	85.09	0.0	0.00	411.0	100.00	0.0	0.00
Uttarakhand	18175	17998	3756.4	20.87	1490.0	8.28	5246.4	29.15	12751.7	70.85
Uttar Pradesh*	723	664	501.6	75.54	0.0	0.00	501.6	75.54	39.0	5.87
Sub Total (NR)	53395	52263	18969.3	36.30	5516.5	10.56	24485.8	46.85	27777.3	53.15
WESTERN										
Madhya Pradesh.	2243	1970	2235.0	100	400.0	20.30	2635.0	100.00	0.0	0.00
Chhattisgarh	2242	2202	120.0	5.45	0.0	0.00	120.0	5.45	2082.0	94.55
Gujarat###	619	590	550.0	100	0.0	0.00	550.0	100.00	0.0	0.00
Maharashtra	3769	3314	2647.0	79.87	0.0	0.00	2647.0	79.87	667.0	20.13
Goa	55	55	0.0	0.00	0.0	0.00	0.0	0.00	55.0	100.00
Sub total (WR)	8928	8131	5552.0	68.28	400.0	4.92	5952.0	73.20	2179.0	26.80
SOUTHERN										
Andhra Pradesh	2366	2341	1610.0	68.77	960.0	41.01	2570.0	109.78	0.0	0.00
Telangana	2058	2019	770.0	38.14	30.0	1.49	800.0	39.62	1219.0	60.38
Karnataka	6602	6459	3657.4	56.62	0.0	0.00	3657.4	56.62	2801.6	43.38
Kerala	3514	3378	1881.5	55.70	100.0	2.96	1981.5	58.66	1396.5	41.34
Tamilnadu	1918	1693	1803.2	100	0.0	0.00	1803.2	100.00	0.0	0.00
Sub Total (SR)	16458	15890	9722.1	61.18	1090.0	6.86	10812.1	68.04	5077.9	31.96
EASTERN										
Jharkhand	753	582	170.0	29.21	0.0	0.00	170.0	29.21	412.0	70.79
Bihar####	70	40	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
Odisha	2999	2981	2142.3	71.86	0.0	0.00	2142.3	71.86	838.8	28.14
West Bengal	2841	2829	441.2	15.60	120.0	4.24	561.2	19.84	2267.8	80.16
Sikkim	4286	4248	2169.0	51.06	1133.0	26.67	3302.0	77.73	946.0	22.27
Sub Total (ER)	10949	10680	4922.5	46.09	1253.0	11.73	6175.5	57.82	4504.6	42.18
NORTH EASTERN										
Meghalaya	2394	2298	322.0	14.01	0.0	0.00	322.0	14.01	1976.0	85.99
Tripura	15	0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
Manipur	1784	1761	105.0	5.96	0.0	0.00	105.0	5.96	1656.0	94.04
Assam	680	650	375.0	57.69	0.0	0.00	375.0	57.69	275.0	42.31
Nagaland	1574	1452	75.0	5.17	0.0	0.00	75.0	5.17	1377.0	94.83
Arunachal Pd	50328	50064	405.0	0.81	2854.0	5.70	3259.0	6.51	46805.0	93.49
Mizoram	2196	2131	60.0	2.82	0.0	0.00	60.0	2.82	2071.0	97.18
Sub Total (NER)	58971	58356	1342.0	2.30	2854.0	4.89	4196.0	7.19	54160.0	92.81
ALL INDIA	148701	145320	40507.8	27.87	11113.5	7.65	51621.3	35.52	93698.7	64.48

Note:- 1. Does not include pumped storage schemes

2. In some states the total of the capacity developed and balance capacity is different from the potential assessed . This is due to change in capacity of the schemes, addition/ deletion of the schemes and merger of two schemes into one etc.

*Eastern Yamuna Canal project (35 MW) has been developed in 2 stages each having Installed Capacity below 25 MW

#Western Yamuna Canal project (64 MW) has been developed in 4 stages each having Installed Capacity below 25 MW

Two schemes namely Mahi Bajaj Sagar I & II were identified for I.C. of 97 MW has been developed with I.C of 140 MW. Gandhi Sagar (115 MW) scheme was identified in Rajasthan but has been developed in Madhya Pradesh with same capacity.

###Two schemes namely Ukai Dam and Sardar Sarovar were identified for an I.C. of 590 MW. However as per actual, the I.C. is 550 MW.

####Identified project namely East Gandak Canal has been developed with installed capacity below 25 MW

3. In addition to above 9 PSS (4785.6 MW) are under operation, 3 PSS (1205 MW) are under construction, DPR of 1 PSS (500 MW) returned to project developer and 1 PSS (1000 MW) is Concurred by CEA , 3 PSS (2920MW) are under S&I AND 1 PSS of I.C. 660 MW is under Heldup list.

STATUS OF HYDRO ELECTRIC POTENTIAL UNDER DEVELOPMENT

(In terms of Installed capacity - Above 25 MW)

As on 31.03.18

Region/ State	H.E. Schemes concurrent by CEA and yet to be taken up for construction		H.E. Schemes under Examination in CEA		H.E. Schemes returned to project authorities		H.E.Schemes under Survey & Investigation		H.E. Schemes allotted for dev on which S&I is held up/ yet to be taken up		H.E. Schemes allotted by states for development		Capacity yet to be allotted for development	
	(MW)	%	(MW)	%	(MW)	%	(MW)	%	(MW)	%	(MW)	(%)	(MW)	(%)
NORTHERN														
Jammu & Kashmir	4043	29.85	390	2.88	0	0.00	0	0.00	370	2.73	4803	35.5%	3355.5	24.78%
Himachal Pradesh	1812	9.773	621	3.35	788	4.25	875	4.72	1313	7.08	5409	29.2%	1491.0	8.04%
Punjab	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	0	0%
Haryana	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	0	0%
Rajasthan	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	0	0.00%
Uttarakhand	1328	7.379	408	2.27	762	4.23	450	2.50	2537	14.10	5485	30.5%	7266.7	40.37%
Uttar Pradesh	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	39	5.87%
Sub Total (NR)	7183	13.74	1419	2.72	1550	2.97	1325	2.54	4220	8.07	15697	30.0%	12080.25	23.11%
WESTERN														
Madhya Pradesh.	0	0	0	0.00	100	5.08	0	0.00	0	0.00	100	5.1%	0	0%
Chhattisgarh	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	2082	94.55%
Gujarat	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	0	0.00%
Maharashtra	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	667	20.13%
Goa	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	55	100%
Sub total (WR)	0	0	0	0.00	100	1.23	0	0.00	0	0.00	100	1.2%	2079	25.57%
SOUTHERN														
Andhra Pradesh	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	0.0	0.00%
Telangana	0	0	0	0.00	320	15.85	0	0.00	0	0.00	320	15.8%	899	44.53%
Karnataka	0	0	0	0.00	665	10.30	0	0.00	0	0.00	665	10.3%	2136.6	33.08%
Kerala	163	4.825	0	0.00	0	0.00	0	0.00	0	0.00	163	4.8%	1233.5	36.52%
Tamilnadu	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	0	0%
Sub Total (SR)	163	1.026	0	0.00	985	6.20	0	0.00	0	0.00	1148	7.2%	3929.9	24.73%
EASTERN														
Jharkhand	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	412	70.79%
Bihar	0	0	0	0.00	130	100.00	0	0.00	0	0.00	130	100%	0	0%
Orissa	0	0	0	0.00	0	0.00	276	9.26	0	0.00	276	9.3%	562.75	18.88%
West Bengal	0	0	0	0.00	0	0.00	0	0.00	81	2.86	81	2.9%	2186.8	77.30%
Sikkim	520	12.24	0	0.00	576	13.56	0	0.00	92	2.17	1188	28.0%	0	0%
Sub Total (ER)	520	4.869	0	0.00	706	6.61	276	2.58	173	1.62	1675	15.7%	2829.55	26.49%
NORTH EASTERN														
Meghalaya	270	11.75	85	3.70	210	9.14	210	9.14	620	26.98	1395	60.7%	581	25%
Tripura	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	0	0%
Manipur	66	3.748	0	0.00	0	0.00	0	0.00	0	0.00	66	3.7%	1590	90%
Assam	120	18.46	0	0.00	60	9.23	0	0.00	0	0.00	180	27.7%	95	15%
Nagaland	186	12.81	0	0.00	0	0.00	0	0.00	0	0.00	186	12.8%	1191	82.02%
Arunachal Pd	16952	33.86	0	0.00	6329	12.64	3707	7.40	9462	18.90	36450	72.8%	10355	20.68%
Mizoram	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	2071	97.18%
Sub Total (NER)	17594	30.15	85	0.15	6599	11.31	3917	6.71	10082	17.28	38277	65.6%	15883	27.22%
ALL INDIA	25460	17.52	1504	1.03	9940	6.84	5518.0	3.80	14475.0	9.96	56897	39.2%	36801.7	25.32%

Note:- 1. Does not include pumped storage schemes

2. In some states the total of the capacity developed and balance capacity is different from the potential assessed . This is due to change in capacity of the schemes, addition/ deletion of the schemes and merger of two schemes into one etc.

3.In addition to above 9 PSS (4785.6 MW) are under operation, 3 PSS (1205 MW) are under construction, DPR of 1 PSS (500 MW) returned to project developer and 1 PSS (1000 MW) is Concurred by CEA , 3 PSS (2920MW) are under S&I AND 1 PSS of I.C. 660 MW is under Heldup list.

4. Luhri H.E. Project (588 MW) is treated as returned since the same was withdrawn by the Developer due to conceiving the scheme in three stages instead of single stage. Luhri st-I is Under Examination and S&I of Luhri st-II & Sunni Dam (Luhri St-III) is Heldup.Shirwata PSS of I.C. 660 MW is under Heldup list.