

STATUS OF HYDRO ELECTRIC POTENTIAL DEVELOPMENT
(In terms of Installed capacity - Above 25 MW)

As on 31.07.2019

Region/ State	Identified Capacity as per reassessment study		Capacity In Operation		Capacity Under Construction		Capacity In 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	9809.0	52.91	1885.0	10.17	11694.0	63.07	6846.0	36.93
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	162.4	24.46
Sub Total (NR)	53395	52263	19023.3	36.40	5516.5	10.56	24539.8	46.95	27723.2	53.05
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	100.00	0.0	0.00
Telangana	2058	2019	800.0	39.62	0.0	0.00	800.0	39.62	1219.0	60.38
Karnataka	6602	6459	3644.2	56.42	0.0	0.00	3644.2	56.42	2814.8	43.58
Kerala	3514	3378	1856.5	54.96	100.0	2.96	1956.5	57.92	1421.5	42.08
Tamilnadu	1918	1693	1778.2	100	0.0	0.00	1778.2	100.00	0.0	0.00
Sub Total (SR)	16458	15890	9688.9	60.97	1060.0	6.67	10748.9	67.65	5141.1	32.35
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	350.0	53.85	0.0	0.00	350.0	53.85	300.0	46.15
Nagaland	1574	1452	75.0	5.17	0.0	0.00	75.0	5.17	1377.0	94.83
Arunachal Pd	50328	50064	515.0	1.03	2600.0	5.19	3115.0	6.22	46949.0	93.78
Mizoram	2196	2131	60.0	2.82	0.0	0.00	60.0	2.82	2071.0	97.18
Sub Total (NER)	58971	58356	1427.0	2.45	2600.0	4.46	4027.0	6.90	54329.0	93.10
ALL INDIA	148701	145320	40613.6	27.95	10829.5	7.45	51443.1	35.40	93876.9	64.60

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 and 1 PSS (1000 MW) is Concurred by CEA , 7 PSS (6020MW) 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 31.07.2019

Region/ State	H.E. Schemes concurred 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	29.853	390	2.88	0	0.00	0	0.00	370	2.73	4803	35.46	3355.5	24.78
Himachal Pradesh	696	3.754	191	1.03	1746	9.42	614	3.31	1630	8.79	4877	26.31	1969.0	10.62
Punjab	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Haryana	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Rajasthan	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Uttarakhand	1328	7.3786	558	3.10	762	4.23	320	1.78	2402	13.35	5370	29.84	7381.7	41.01
Uttar Pradesh	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	162.4	24.46
Sub Total (NR)	6067	11.609	1139	2.18	2508	4.80	934	1.79	4402	8.42	15050	28.80	12673.23	24.25
WESTERN														
Madhya Pradesh.	0	0	0	0.00	100	5.08	0	0.00	0	0.00	100	5.08	0	0.00
Chhattisgarh	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2082	94.55
Gujarat	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Maharashtra	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	667	20.13
Goa	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	55	100.00
Sub total (WR)	0	0	0	0.00	100	1.23	0	0.00	0	0.00	100	1.23	2079	25.57
SOUTHERN														
Andhra Pradesh	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.0	0.00
Telangana	0	0	0	0.00	320	15.85	0	0.00	0	0.00	320	15.85	899	44.53
Karnataka	0	0	0	0.00	665	10.30	0	0.00	0	0.00	665	10.30	2149.8	33.28
Kerala	163	4.8253	0	0.00	0	0.00	0	0.00	0	0.00	163	4.83	1258.5	37.26
Tamilnadu	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sub Total (SR)	163	1.0258	0	0.00	985	6.20	0	0.00	0	0.00	1148	7.22	3993.1	25.13
EASTERN														
Jharkhand	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	412	70.79
Bihar	0	0	0	0.00	130	100.00	0	0.00	0	0.00	130	325.00	0	0.00
Orissa	0	0	0	0.00	0	0.00	128	4.29	0	0.00	128	4.29	710.75	23.84
West Bengal	0	0	0	0.00	0	0.00	0	0.00	81	2.86	81	2.86	2186.8	77.30
Sikkim	520	12.241	0	0.00	576	13.56	0	0.00	92	2.17	1188	27.97	0	0.00
Sub Total (ER)	520	4.8689	0	0.00	706	6.61	128	1.20	173	1.62	1527	14.30	2977.55	27.88
NORTH EASTERN														
Meghalaya	270	11.749	85	3.70	210	9.14	210	9.14	620	26.98	1395	60.70	581	25.28
Tripura	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Manipur	66	3.7479	0	0.00	0	0.00	0	0.00	0	0.00	66	3.75	1590	90.29
Assam	120	18.462	0	0.00	60	9.23	0	0.00	0	0.00	180	27.69	120	18.46
Nagaland	186	12.81	0	0.00	0	0.00	0	0.00	0	0.00	186	12.81	1191	82.02
Arunachal Pradesh	16878	33.713	0	0.00	6403	12.79	3519	7.03	9172	18.32	35972	71.85	10977	21.93
Mizoram	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2071	97.18
Sub Total (NER)	17520	30.023	85	0.15	6673	11.43	3729	6.39	9792	16.78	37799	64.77	16530	28.33
ALL INDIA	24270	16.701	1224	0.84	10972	7.55	4791.0	3.30	14367.0	9.89	55624	38.28	38252.88	26.32

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 and 1 PSS (1000 MW) is Concurred by CEA , 7 PSS (6020MW) are under S&I and 1 PSS of I.C. 660 MW is under Heldup list.