

STATUS OF HYDRO ELECTRIC POTENTIAL DEVELOPMENT

(In terms of Installed capacity - Above 25 MW)

As on 31.12.2016

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	3119.0	23.03	1180.0	8.71	4299.0	31.74	9244.0	68.26
Himachal Pradesh	18820	18540	9444.0	50.94	2086.0	11.25	11530.0	62.19	7010.0	37.81
Punjab	971	971	1206.3	100	206.0	21.22	1412.3	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	1430.0	7.95	5186.4	28.82	12811.7	71.18
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	18438.3	35.28	4902.0	9.38	23340.3	44.66	28922.8	55.34
WESTERN										
Madhya Pradesh.	2243	1970	2395.0	100	400.0	20.30	2795.0	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	2487.0	75.05	0.0	0.00	2487.0	75.05	827.0	24.95
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	1746.8	74.62	1010.0	43.14	2756.8	117.76	0.0	0.00
Telangana	2058	2019	701.0	34.72	90.0	4.46	791.0	39.18	1228.0	60.82
Karnataka	6602	6459	3585.4	55.51	0.0	0.00	3585.4	55.51	2873.6	44.49
Kerala	3514	3378	1881.5	55.70	100.0	2.96	1981.5	58.66	1396.5	41.34
Tamilnadu	1918	1693	1782.2	100	0.0	0.00	1782.2	100.00	0.0	0.00
Sub Total (SR)	16458	15890	9696.9	61.02	1200.0	7.55	10896.9	68.58	4993.2	31.42
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	2027.5	68.01	0.0	0.00	2027.5	68.01	953.5	31.99
West Bengal	2841	2829	441.2	15.60	120.0	4.24	561.2	19.84	2267.8	80.16
Sikkim	4286	4248	765.0	18.01	2526.0	59.46	3291.0	77.47	957.0	22.53
Sub Total (ER)	10949	10680	3403.7	31.87	2646.0	24.78	6049.7	56.65	4630.3	43.35
NORTH EASTERN										
Meghalaya	2394	2298	282.0	12.27	40.0	1.74	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	0.0	0.00	60.0	2.82	60.0	2.82	2071.0	97.18
Sub Total (NER)	58971	58356	1242.0	2.13	2954.0	5.06	4196.0	7.19	54160.0	92.81
ALL INDIA	148701	145320	38332.8	26.38	12102.0	8.33	50434.8	34.71	94885.2	65.29

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, 2 PSS (1080 MW) are under construction, DPR of 1 PSS (500 MW) returned to project developer and 1 PSS (1000 MW) is Concurred by CEA

STATUS OF HYDRO ELECTRIC POTENTIAL UNDER DEVELOPMENT

(In terms of Installed capacity - Above 25 MW)

As on 31.12.2016

Region/ State	H.E. Schemes concluded 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	5043	37.24	0	0.00	390	2.88	1284	9.48	370	2.73	7087	52.3%	2157	15.93%
Himachal Pradesh	1782	9.612	0	0.00	200	1.08	1420	7.66	1170	6.31	4572	24.7%	2438.0	13.15%
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	1858	10.32	408	2.27	762	4.23	663	3.68	2537	14.10	6228	34.6%	6583.7	36.58%
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)	8683	16.61	408	0.78	1352	2.59	3367	6.44	4077	7.80	17887	34.2%	11035.75	21.12%
WESTERN														
Madhya Pradesh.	0	0	0	0.00	100	5.08	0	0.00	0	0.00	100	5.1%	0	0%
Chhattisgarh	60	2.725	0	0.00	0	0.00	0	0.00	0	0.00	60	2.7%	2022	91.83%
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%	827	24.95%
Goa	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	55	100%
Sub total (WR)	60	0.738	0	0.00	100	1.23	0	0.00	0	0.00	160	2.0%	2019	24.83%
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%	908	44.97%
Karnataka	0	0	0	0.00	665	10.30	0	0.00	0	0.00	665	10.3%	2208.6	34.19%
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%	3845.15	24.20%
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	130	100.00	0	0.00	0	0.00	0	0.00	130	100%	0	0%
Orissa	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	953.5	31.99%
West Bengal	0	0	0	0.00	0	0.00	81	2.86	0	0.00	81	2.9%	2186.8	77.30%
Sikkim	520	12.24	0	0.00	576	13.56	0	0.00	112	2.64	1208	28.4%	0	0%
Sub Total (ER)	520	4.869	130	1.22	576	5.39	81	0.76	112	1.05	1419	13.3%	3211.3	30.07%
NORTH EASTERN														
Meghalaya	270	11.75	210	9.14	0	0.00	384	16.71	620	26.98	1484	64.6%	492	21%
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	15092	30.15	5456	10.90	4433	8.85	6058	12.10	7180	14.34	38219	76.3%	8586	17.15%
Mizoram	0	0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.0%	2071	97.18%
Sub Total (NER)	15734	26.96	5666	9.71	4493	7.70	6442	11.04	7800	13.37	40135	68.8%	14025	24.03%
ALL INDIA	25160	17.31	6204	4.27	7506	5.17	9890.0	6.81	11989.0	8.25	60749	41.8%	34136.2	23.49%

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, 2 PSS (1080 MW) are under construction, DPR of 1 PSS (500 MW) returned to project developer and 1 PSS (1000 MW) is Concurred by CEA

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 S&I and Luhri st-II is yet to be taken up in S&I and Luhri st-III is allotted to HPPCL as Jaisi Dam HEP.