Summary of Hydro Power Development in Jammu and Kashmir

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		32	12264.5
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	10	3360
B	Projects under construction	7	3551.5
C	Projects concurred by CEA and yet to be taken up for construction	3	2769
D	Projects returned to project authorities	1	390
E	Projects under S&I	2	850
F	Balance Capacity*	9	1088

*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.

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	I.C. (MW)
1	Uri-I (Uri)	Jhelum	R	480
2	Uri-II (Uri)	Jhelum	R	240
3	Lower Jhelum	Jhelum	R(P)	105
4	Upper Sindh II & Ext.	Sindh nallah	R(P)	105
5	Kishanganga (Karalpur)	Kishanganga	R(P)	330
6	Dulhasti	Chenab	R(P)	390
7	Salal I & II (Salal)	Chenab	R	690
8	Baghlihar-I (Baglihar)	Chenab	R(P)	450
9	Baghlihar-II (Baglihar)	Chenab	R(P)	450
10	Sewa-II (Sewa)	Sewa	R(P)	120
11	Parnai	Suran	R	37.5
12	Ratle	Chenab	R (P)	850
13	Lower Kalnai	Kalnai	R	48
14	Pakaldul	Marusudar	S	1000
15	Kiru	Chenab	R(P)	624
16	Kwar	Chenab	R (P)	540
17	Kirthai-II (Naunut)	Chenab	R (P)	930
18	Sawalkot	Chenab	R (P)	1856
19	New Ganderbal	Sindh Nallah	R (P)	93
20	Uri-I Stage-II (Uri)	Jhelum	R	240
21	Kishanganga-II (Wangam)	Kishanganga	R	42
22	Chandanwari-Laripura	Chandanwari	R	81
23	Gangbal	Kanknang	S	48
24	Kirthai-I (Sho)	Chenab	R (P)	390
25	Bursar MPP	Marusudar	S	800
26	Ujh	Ujh	S	196
27	Dulhasti-Stage-II (Dulhasti)	Chenab	R	260
28	Shamnot	Chenab	R	330
29	Barinium	Chenab	R	180
30	Bichlari	Bichlari	R	64
31	Warddwan Bursar	Wardwan	S	255
32	Ans I	Ans	R	40
32	**TOTAL**			**12264.5**

A. H.E. Projects in Operation:

Sl.No.	UTILITY/ STATIONS	NO. OF STATIONS	NO. OF UNITS X CAPACITY (MW)	RIVER/BASIN*	DISTRICT	I.C. (MW)	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
	JKSPDC								
1	BAGLIHAR-I	1	(3X150)	CHENAB	RAMBAN	450	R(P)	State	2008
2	BAGLIHAR II	1	(3X150)	CHENAB	RAMBAN	450	R(P)	State	2015
3	LOWER JHELUM	1	(3X35)	JHELUM	BARAMULLAH	105	R(P)	State	1978-1979
4	UPPER SINDH-II	1	(3X35)	SINDH	GANDERBAL	105	R(P)	State	2000 -2002
	TOTAL JKSPDC	**4**				**1110**			
	NHPC								
1	DULHASTI	1	(3X130)	CHENAB	KISTWAR	390	R(P)	Central	2007
2	SALAL - I&II	1	(6X115)	CHENAB	REASI & UDAMPUR	690	R	Central	1987-95
3	URI-I	1	(4X120)	JHELUM	BARAMULA	480	R	Central	1996-1997
4	URI-II	1	(4X60)	JHELUM	BARAMULA	240	R	Central	2013-14
5	SEWA-II	1	(3X40)	SEWA	KATHUA	120	R(P)	Central	2010
6	KISHENGANGA	1	(3X110)	KISHENGANGA	BANDIPORA	330	R(P)	Central	2018
	SUB-TOTAL NHPC	**6**				**2250**			
10	**TOTAL J&K**	**10**				**3360**			

***** ALL PROJECTS ARE IN INDUS BASIN.

B. H.E. Projects Under Construction:

Sl.No.	Name of Project	Agency	Basin	District	I.C. (MW)	Type (R/S/R(P))	Sector	Likely Commissioning
1	Pakal Dul	CVPPL	Indus	Kishtwar	1000	S	Joint venture between NHPC and JKPDC	2026-27 (Mar'27)
2	Parnai	JKSPDC	Indus	Poonch	37.5	R	State	2027-28 (Dec'27)
3	Kiru	CVPPL	Indus	Kishtwar	624	R(P)	Joint venture between NHPC and JKPDC	2026-27 (Mar'27)
4	Ratle	RHEPPL / NHPC	Indus	Kishtwar	850.00	R(P)	Central	2029-30 (Aug'29)
5	Kwar	CVPPL	Indus	Kishtwar	540.00	R(P)	Joint venture between NHPC and JKPDC	2027-28 (March 28)
6	Uri-I Stage-II HE Project	NHPC	Indus	Baramulla	240.00	R	Center	2029-30 (Nov'29)
7	Dulhasti St-II	NHPC	Indus	Kishtwar	260.00	R	Center	2029-30 (Nov'29)
7	**Total**				**3551.5**			

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage, MPP=Multipurpose project

C. H.E. Projects concurred by CEA and yet to be taken up for construction:

Sl No.	Name of Project	Agency	River	District	I.C. (MW)	Date of CEA Concurrence	Type (R/S/R(P))	Sector	Status
1	New Ganderwal	JKSPC	Sindh Nallah	Ganderwal	93	10.06.14	R(P)	State	EC accorded on 27.9.13 & FC accorded on 02.04.2012.. #
2	Kirthai-II	CVPPL	Chenab	Kishtwar	820	14.06.2019	R(P)	Joint Venture between NHPC and JKPDC	EC recommended by MoEF&CC on 15.04.2021. FC-I accorded on 29.06.2026. FC-II yet to be obtained. ##
3	Sawalkote	NHPC	Chenab	Ramban & Udhampur	1856	18.04.18	R(P)	Central	EC obtained on 17.11.2025. FC-I accorded on 10.07.2025. FC-II yet to be obtained. NOC under Wildlife Conservation Act, 1972 accorded by State Forest Dept. vide letter dated 03.01.2024. ###
3	**Total**				**2769**				

Award of contract packages is under progress. PPA signed with State Government. Loan agreement to be signed with finances.

##
The project was handed over to NHPC vide MoU signed on 03.01.21. The project will be executed by CVPPL (A JV of NHPC, JSKPDCL). CEA vide OM dated 29.12.2021 transferred the appraisal of Kirthai-II HEP in the name of M/s. CVPPL.

###The project was handed over to NHPC vide MoU signed on 03.01.21. The project will be executed by NHPC on BOOT basis. Transfer of Appraisal of Sawalkote HE Project from M/s JKSPDC to M/s NHPC Ltd. and Extension of validity of Appraisal for further 3 years (i.e. beyond 18.04.2021 to 17.04.2024) on same terms & conditions as contained in OM 18.04.2018 was granted vide HPA letter dated 25.03.2022. CEA vide letter dated 14.07.2025 accorded 3rd extension of validity of Appraisal upto 17.04.2026.

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

D. H.E. Projects Returned to Project Authorities for re-submission after compliance of observations:

Sl. No.	Name of Project	Agency	I.C. (MW)	Type (R/S/R(P))	Sector	Month of Return
1	Kirthai -I	JKSPDC	390	R(P)	State	Jul'21
1	**Total**		**390**			

E. H.E. Projects Under Survey & Investigation:

Sl. No.	Name of Project	River	Agency for DPR	District	I.C. (MW)	Type (R/S/R(P))	Sector
1	Bursar	Marusudar	NHPC	Kishtwar	800	S	Central
2	Ujh	Ujh	JKSPDC	Kathua	50	MPP	State
2	**Total**				**850**		

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

F. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C. (MW)	District	Remarks
1	Bichlari	Bichlari	R	64	Doda	
2	Kishenganga-II (Wangam)	Kishanganga	R	42	Bandipora	
3	Barinium (Shaus)	Chenab	R	180	Doda	
4	Chandanwari Laripora	Chandanwari	R	81	Anantnang	
5	Gangbal	Kanknang	S	48	Ganderbal	
6	Wardwan Bursar	Wardwan	S	255	Kisthwar	
7	Ans-I	Ans	R	40	Reasi	
8	Shamnot	Chenab	R	330	Doda	•Initially alloted to NHPC •Projectheld up as the project will submerge National Highway.
9	Lower kalnai	Chenab	R	48	Kishtwar	•Initially alloted to JKSPDC •Works on all fronts at Dam and Power House site are stalled since the contract has been terminated by JK Govt. order no. 115-PDD of 2019 dated 08.06.2019. The Balance Work stands tendered out by JKSPDC in EPC mode vide E-NIT on 24.03.2022. Technical evaluation of the bids is completed and financial bids are slated to be opened .Project is likely to be commissioned 4 years after restart of works.
9	**Total**			**1088**		

Note: R –Run of the River & S - Storage

Summary of Hydro Power Development in Ladakh

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		10	707
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	2	89
B	Projects under S&I	1	95
C	Balance Capacity*	8	618

*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.

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S. No	Name	River	Type	I.C. (MW)
1	Nimu Bazgo (Nimu)	Indus	R(P)	45
2	Chutak	Suru	R	44
3	Leh	Indus	R	67
4	Dumkhar	Indus	R	28
5	Khalsti	Indus	R	60
6	Achinthang-Sanjak (Achingthang + Kanyunche)	Indus	R	108
7	Parfila	Zaskar	S	102
8	Tahanus	Shingo	R	49
9	Ulitopo (Nurla)	Indus	R	48
10	Sunit (Batalik)	Indus	R	156
10	**TOTAL**			**707**

A. H.E. Projects in Operation:

Sl.No.	UTILITY/ STATIONS	NO. OF STATIONS	NO. OF UNITS X CAPACITY (MW)	RIVER	DISTRICT	Type (R/S/R(P))	I.C.(MW)	Sector	YEAR OF COMMISSIONING
	NHPC								
1	CHUTAK	1	(4X11)	SURU	KARGIL	R	44	Central	2012-13
2	NIMOO BAZGO	1	(3X15)	INDUS	LEH	R(P)	45	Central	2013
2	**SUB-TOTAL NHPC**	**2**					**89**		
	TOTAL LADAKH						**89**		

B. H.E. Projects Under Survey & Investigation:

Sl. No.	Name of Project	Agency for DPR	Basin/River	District	Type (R/S/R(P))	I.C. (MW)	Sector
1	Drass Suru Link Project	JKPDCL	Indus/Drass Suru	Kargil		95	State
1	**Total**					**95**	

C. Balance Capacity

Sl.No.	Name of Project	River	District	Type	I.C. (MW)
1	Parfila	Zaskar	Leh	S	102
2	Ulitopo (Nurla)	Indus	Leh	R	48
3	Khalsti (Khalsi)	Indus	Leh	R	60
4	Dumkhar	Indus	Leh	R	28
5	Achinthang-sanjak (Achingthang + Kanyunche)	Indus	Leh	R	108
6	Sunit (Batalik)	Indus	Kargil	R	156
7	Tahanus	Shingo	Kargil	R	49
8	Leh	Indus	Leh	R	67
8	**Total**				**618**

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

Summary of Hydro Power Development in Himachal Pradesh

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		72	18305
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	33	11571.02
B	Projects under construction	5	1156
C	Projects Under S&I	2	862
D	Projects concurred by CEA and yet to be taken up for construction	4	937
E	Projects returned to project authorities	1	400
F	Balance Capacity*	29	4259

*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.

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		13	18358
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Balance Capacity	13	18358

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	I.C. (MW)
1	Budhil	Budhil	R (P)	70
2	Bairasiul	Siul	R (P)	180
3	Chamera-I (Chamera)	Ravi	S	540
4	Chamera-II (Gwar)	Ravi	R(P)	300
5	Chamera-III (Hibra)	Ravi	R (P)	231
6	Chanju-I	Chanju nallah	R (P)	36
7	Bajoli Holi	Ravi	R	180
8	Allain Duhangan (Allain Nallah +Duhangan)	Allain	R (P)	192
9	Malana	Mallana Nallah	R (P)	86
10	Dehar (Pandoh Diversion Dam)	Beas	R (P)	990
11	Pong (Pong Dam)	Beas	S	396
12	Malana-II	Malana	R (P)	100
13	Parbati-III (Sainj-IV)	Sainj	R (P)	520
14	Sainj (Sainj Kartha-II+Sainj)	Sainj	R (P)	100
15	Larji	Beas	R (P)	126
16	Bassi & Extn.	Uhl	R (P)	66
17	Shanan Ext. (Uhl at Joginder Nagar)	Uhl	R(P)	110
18	Baspa(Baspa-II)	Baspa	R (P)	300
19	Karcham Wangtoo	Satluj	R (P)	1045
20	Sanjay (Bhabha (Sanjay))	Bhabha Khad	R(P)	120
21	Integrated Kashang	Kashang/Kirankhar	R (P)	195
22	Nathpa Jhakri	Satluj	R (P)	1500
23	Rampur (Rampur Nanjah)	Satluj	R	412
24	Kol Dam	Satluj	S	800
25	Bhakra Left (Bhakra Nangal)	Satluj	S	612

26	Bahkra right (Bhakra Nangal)	Satluj	S	785
27	Sorang	Sorang khar	R	100
28	Giri& Bata	Giri	R(P)	60
29	Sawara kudu	Pabar	R	111
30	Kutehr (Machhetri)	Ravi	R	240
31	Uhl III (Rana Khad)	Rana & Nerikhar	R	100
32	Parbati-II	Parbati	R	800
33	Dhaulasidh	Beas	R(P)	66
34	Tindong-I	Tidong	R (P)	150
35	Shongtong Kharcham	Satluj	R	450
36	Luhri St-I (Luhri)	satluj	R (P)	210
37	Chhatru	Chandra	R (P)	126
38	Miyar (Udaipur)	Miyar Nallah	R (P)	120
39	Dugar	Chenab	R (P)	500
40	Thana Plaun	Beas	R cum S	191
41	Baggi	Beas	R	42
42	Chango Yangthang	Spiti	R	180
43	Sunni (Sunni Chaba Dam)	Satluj	R(P)	382
44	Reoli Dugli (Raoli)	Chenab	R	456
45	Seli	Chenab	R (P)	400
46	Purthi	Chenab	R	232
47	Bardang	Chenab	R	175
48	Sach Khas	Sarchu	R	288
49	Gyspa	Bhaga	S	350
50	Kulu	Beas	R	52
51	Sainj-I	Sainj	R	68
52	Triveni Mahadev	Beas	R	50
53	Jangi thopan Powari (Jangi Thopan+Thopan Powari)	Satluj	R	804
54	Luhri St.-II (Luhri-II)	Satluj	R	172
55	Sumte Kothang (Thibda)	Spiti	R	50

56	Lara Sumte (kyurik)	Spiti	R	40
57	Yangthang khab	Spiti	R	158
58	Khab-I	Satluj	R	310
59	Khab-II	Satluj	R	150
60	Kashang Stage IV (Taiti-I)	Kashang & kerang	R	48
61	Shangling (Khoskar)	Chandra	R	35
62	Telling (Railing)	Chandra	S	65
63	Tandi Rashil (Jhalma)	Chenab	R	166
64	Chota Dara	Chandra	R	52
65	Lujai	Lujai Nallah	R	49
66	Tandi Rashil (Rashil)	Chenab	R	75
67	Chanju-III	Chanju nallah	R	48
68	Deothal Chanju	Chanju nallah	R	30
69	Surgani Sundla	Suil	R	48
70	Tangnu Romai-I	Pabar	R	44
71	Renukaji Dam	Giri	S	40
72	Baroti	Suil	S	30
72	**TOTAL**			**18305**

A. H.E. Projects in Operation:

S. NO.	UTILITY/STATIONS	NO. OF UNITS X CAPACITY (MW)	RIVER/ /BASIN*	DISTRICT	I.C. (MW)	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
	CENTRAL SECTOR							
	BBMB							
1	BHAKRA LEFT	(5x126)	SUTLEJ	BILASPUR	630	S	Central	1960-1961
2	BHAKRA RIGHT	(5X157)	SUTLEJ	BILASPUR	785	S	Central	1966-1968
3	DEHAR	(6X165)	BEAS	MANDI	990	R(P)	Central	1977-1983
4	PONG	(6X66)	BEAS	KANGRA	396	S	Central	1978-1983
	SUB-TOTAL BBMB				**2801**			
	NHPC							
5	BAIRA SIUL	(3X60)	SIUL	CHAMBA	180	R(P)	Central	1980-1981
6	CHAMERA- I	(3X180)	RAVI	CHAMBA	540	S	Central	1994
7	CHAMERA- II	(3X100)	RAVI	CHAMBA	300	R(P)	Central	2003-2004
8	CHAMERA- III	(3X77)	RAVI	CHAMBA	231	R(P)	Central	2012
9	PARBATI-III	(4X130)	SAINJ	KULLU	520	R(P)	Central	2014
10	PARBATI-II	(4X200)	Parbati	KULLU	800	R	Central	2025 (600 MW)
	SUB-TOTAL NHPC				**2571**			
	SJVNL							
11	NATHPA JHAKRI	(6X250)	SATLUJ	SHIMLA	1500	R(P)	Central	2003-2004
12	RAMPUR	(6X68.67)	SATLUJ	SHIMLA	412.02	R	Central	2014
	SUB-TOTAL SJVNL				**1912.02**			
	NTPC LTD.							
13	KOLDAM	(4X200)	SATLUJ	BILASPUR	800	S	Central	2015
	SUB-TOTAL NTPC LTD.				**800**			
	TOTAL CENTRAL SECTOR				**8084.02**			
	STATE SECTOR							
	HPSEBL							
14	BASSI	(4X16.5)	UHL	MANDI	66	R(P)	State	1970-1981
15	GIRI BATA *	(2X30)	GIRI	SIRMAUR	60	R(P)	State	1978
16	LARJI	(3X42)	BEAS	KULLU	126	R(P)	State	2006
17	SANJAY	(3X40)	Bhabha Khad	KINNAUR	120	R(P)	State	1989
	TOTAL HPSEBL				**372**			
	HPPCL							
18	INTEGRATED KASHANG	(3X65)	Kashang/Kirankhar	KINNAUR	195	R (P)	State	2016-17
19	SAINJ	(2X50)	SAINJ	KULLU	100	R(P)	State	2017

20	SWARA KUDDU	(3X37)	Pabbar/Tons/ Yamuna	SHIMLA	111	R	State	2020
	TOTAL HPPCL				**406**			
	PSPCL							
21	SHANAN (Uhl at Joginder Nagar)	(1X50)+ (4X15)	UHL & Lamba Dug River	MANDI	110	R(P)	State	1932-1982
	TOTAL PSPCL				**110**			
	Beas Valley Power. Corp. Ltd. (BVPC)							
22	Uhl-III	(3x33.3)	Uhl	Mandi	100	R	State	2025 (100 MW)
	TOTAL BVPC				**100**			
	TOTAL STATE				**988**			
	PRIVATE SECTOR							
	MPCL							
23	MALANA	(2X43)	MALANA	KULLU	86	R(P)	Private	2001
	TOTAL MPCL				**86**			
	GBHPPL							
24	BUDHIL	(2X35)	BUDHIL	CHAMBA	70	R(P)	Private	2012
	TOTAL GBHPPL				**70**			
	EPPL							
25	MALANA-II	(2X50)	MALANA	KULLU	100	R(P)	Private	2011-12
	TOTAL EPPL				**100**			
	IA ENERGY							
26	CHANJU-I	(3X12)	Chanju nallah	CHAMBA	36	R(P)	Private	2017
	TOTAL IA ENERGY				**36**			
27	ALLAIN DUHANGAN	(2X96)	ALLAIN NALLAH	MANALI	192	R(P)	Private	2010
	TOTAL ADHPL				**192**			
	HBPCL							
28	BASPA	(3X100)	BASPA	KINNAUR	300	R(P)	Private	2003
	TOTAL HBPCL				**300**			
	JSWHEL							
29	KARCHAM WANGTOO	(4X261.25)	SATLUJ	KINNAUR	1045	R(P)	Private	2011 (1000 MW)
30	KUTEHR	3 x 80	Ravi	Chamba	240	R	Private	2025
31	TIDONG-I	3 x 50	Tidong	Kinnaur	150	R(P)	Private	2026
	TOTAL JSWHEL				**1435**			
	HSPPL							
32	Sorang	2x50	Sorang	Kinnaur	100	R	Private	2021 (100 MW)
	GMR BAJOLI HOLI HYDRO POWER PVT. LTD.							
33	Bajoli Holi	3x60	Ravi	CHAMBA	180	R	Private	2022
	TOTAL PVT				**2499**			
33	**TOTAL HP**				**11571.02**			

***** ALL PROJECTS EXCEPT GIRI BATA & SWARA KUDDU (GANGA BASIN) ARE IN INDUS BASIN

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B H.E. Projects Under Construction:

Sl. No.	Name of Project	Agency	District	River	Basin	I.C. (MW)	Type (R/S/R(P))	Sector
1	Shontong Karcham	HPPCL	Kinnaur	Satluj	Indus	450	R	State
2	Luhri St.I	SJVNL	Shimla/Kullu	Satluj	Indus	210	R(P)	Central
3	Dhaulasidh	SJVNL	Hamirpur/ Kangra	Beas	Indus	66	R(P)	Central
4	Sunni Dam	SJVNL	Shimla/Mandi	Satluj	Indus	382	R(P)	Central
5	Chanju-III	HPPCL	Chamba	Chanju Nallah	Indus	48.00	R	Central
5	**Total**					**1156**		

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

C. H.E. Projects Under Survey & Investigation:

Sl. No.	Name of Project	River	Agency for DPR	District	I.C. (MW)	Type (R/S/R(P)/MPP)	Secto
1	Chenab Ravi Link Tunnel Project	Chenab- Ravi	DPR preparation by CWC	Lahaul-Spiti	430	MPP	Centı
2	Chenab Beas Link Tunnel Project	Chenab -Beas	DPR preparation by CWC	Lahaul-Spiti	432	MPP	Centı
2	**Total**				**862**		

Likely Commissioning
2028-29 (Sep'28)
2029-30 (Feb'30)
2026-27 (March'27)
2029-30 (Dec'29)
2027-28 (Dec'27)

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D. H.E. Projects concurred by CEA and yet to be taken up for construction:

Sl. No.	Name of Project	Agency	River	District	I.C. (MW)	Date of CEA Concurrence	Type (R/S/R(P))	Sector	Status
1	Miyar	NTPC	Miyar Nallah	Lahul & Spiti	120	07.02.2013	R(P)	Central	EC accorded on 30.07.12. FC-I accorded on 27.07.12. FC-II yet to be obtained. FRA compliance under process #
2	Chhatru	DSIL	Chandra	Lahaul-Spiti	126	15.01.15	R(P)	Private	EC recommended by EAC on 24.02.15, Letter will be issued after FC-I. FC-I & FC-II yet to be obtained. . ###
3	Thana Plaun	HPPCL	Beas	Mandi	191	07.09.2021	R cum S	State	EC letter issued on 01.08.2025 FC Stage-I accorded by MoEF&CC on 11.01.2024 . FC-II yet to be obtained. CAT Plan has been approved by Government of Himachal Pradesh on 03.01.2019. Social Impact Assessment (SIA) study for acquisition of Private land has been completed and approved from GoHP vide notification dated 16.12.2020.
4	Dugar	NHPC	Chenab	Chamba	500	26.04.22	R(P)	central	EC recommended by EAC on 06.09.2022. Application for diversion of 211.84 ha of forest land was submitted by NHPC in the Parivesh Portal of MoEF&CC on 20.02.2021. State Govt. had forwarded the proposal to MoEF&CC, New Delhi on 04.07.2022. The proposal was discussed in the FAC meeting held on 29.11.2023 wherein committee advised for geological study from Wadia Institute. Project is with State Forest dept. FC yet to be obtained. CAT Plan has been approved by State Forest Deptt on 7.5.2024 ####
4	**Total**				**937**				

Note: All projects are in Indus basin

#MoU was signed between Government of Himachal Pradesh and NTPC Ltd. on 25.10.2019 to set-up the hydro project. Validity of Concurrence to the project expired on 07.02.2016. GoHP vide letter dated 25.07.2022 cancelled allotment of the project to NTPC.

###Govt of Himachal Pradesh vide its letter dated 3.10.2019 has since cancelled allotment of Chhatru HEP which was allotted on 28.7.2007 to M/S DCM Shriram Infrastructure limited, and terminated the Pre- ImplementationAgreement (PIA) signed on 15.2.2008. Further, validity of Concurrence to project expired on 15.01.2020

####Presently, a case (CWP-913/2024 NHPC Vs Director of Energy & others in Hon'ble High Court Shimla) against seeking enhanced royalty from Project by GoHP is under progress, wherein Court's order dated 26.2.2024 directed that Petitioner shall not claim any equity qua any expenditure incurred during the interregnum period.Since, proposal for awarding work to Wadia Institute has financial implication so it is kept on hold by Project till the direction from Hon'ble high Court is conveyed.

E. Projects returned to project authorities

Sl. No.	Name of Project	Agency	I.C. (MW)		Type (R/S/R(P))	District	Month of Return
1	Seli	SHPCL	400		R(P)	Lahaul & Spiti	May-19
1	**Total**		400				

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

E. Balance Capacity

Sl.No.	Name of Project	River	District	Type	I.C. (MW)	Reamrks
1	Kashang Stage-IV (Taiti-I)	Chenab	Kinnaur	R	48	
2	Baroti	Siul	Chamba	S	30	
3	Chhota Dara	Chandra	Lahaul & Spiti	R	52	
4	Shangling (Khoskar)	Chandra	Lahaul & Spiti	R	35	
5	Telling (Railing)	Chandra	Lahaul & Spiti	S	65	
6	Kulu	Beas	Kullu	R	52	
7	Sainj-I	Sainj	Kullu	R	68	
8	Yangthang Khab	Spiti	Kinnaur	R	158	
9	Lujai	Lujai Nallah	Chamba	R	49	
10	Renukaji Dam	Giri	Sirmaur	S	40	AS per Minutes of 9th meeting of Upper Yamuna Review Committee held on 27.11.2025 , Secretary, UYRC informed that the project is being implemented by HPPCL and is scheduled to be completed by December 2032
11	Triveni Mahadev	Beas	Kangra	R	50	
12	Baggi	Beas	Mandi	R	42	
13	Deothal Chanju	Chanju Nallah	Chamba	R	30	
14	Surgani Sundla	Suil	Chamba	R	48	
15	Chango Yangthang	Spiti	Kinnaur	R	180	
16	Sumte Khotang	Spiti	Lahaul & Spiti	R	50	•Intially alloted to Reliance Power Ltd. (M/s Sumte Kothang HPPL) •Project was in S&I held up due to opposition from locals and NGOs. •Project stands terminated on 28.07.2017.
17	Lara Sumte	Spiti	Lahaul & Spiti	R	40	•Intially alloted to Reliance Power Ltd. (M/s Sumte Kothang HPPL) •Project was in S&I held up due to opposition from locals and NGOs. •Project stands terminated on 28.07.2017.
18	Purthi	Chenab	Chamba	R	232	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
19	Bardang	Chenab	Lahaul & Spiti	R	175	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
20	Sach khas	Sarchu	Chamba	R	288	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
21	Reoli Dugli HEP	Chenab	Lahaul & Spiti	R	456	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer

22	Khab-I	Satluj	Kinnaur	R	310	Govt. of HP has confirmed the TWL of Upstream project i.e. Yangthang Khab and FRL of Downstream project Jhangi Thopan vide letter dated 15.06.2017. Accordingly a revised PFR for Khab HEP is being prepared considering the scheme to be single stage RoR and considering the virgin stretch of river as per MoEF&CC guidelines.
23	Khab-II	Satluj	Kinnaur	R	150	
24	Jangi Thopan Powari	Satluj	Kinnaur	R	804	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
25	Luhri St.-II	Satluj	Shimla	R	172	SJVN vide letter dt. 01.09.23 informed that domain allotment is pending with GoHP and layout of the project could not be finalized.
26	Gyspa Dam	Bhaga	Lahaul & Spiti	S	350	Project held up due to sustained opposition from local people.
27	Jhalma	Chenab	Lahaul & Spiti	R	166	Developer vide letter dt. 01.09.23 has informed that no significant progress has been made in S&I work as locals have been resisting entry into project area since March,2022
28	Rashil	Chenab	Lahaul & Spiti	R	75	
29	Tangu Romai	Pabar	Shimla	R	44	Works on hold since Aug 2016. Funds constraints with the developer. Project is likely to be commissioned 4 years after restart of works.
29	**Total**				**4259**	

Note: R –Run of the River & S- Storage

II. Pumped Storage Projects

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Majra	Kangra	662
2	Renukaji (Renuka)	Sirmaur	1630
3	DSHEP	Hamirpur	180
4	Koldam PSP-I &II		2400
5	Lehri	Bilaspur	841
6	Raipur/Dobar Uparla	Una	1500
7	Dhurmu	Mandi	400
8	Chhakmoh	Hamirpur	1400
9	Garial	Kangra	2800
10	Balwal	Kangra	2500
11	Chaprah	Kangra	900
12	Dodrah	Kangra	2500
13	Sunni	Mandi	645
13	**TOTAL**		**18358**

a. Balance Capacity

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Remarks
				Upper Reservoir	Lower Reservoir		
1	Majra	• Indicated by MoP to BBMB	Kangra	Sarhyali Khad	Govind Sagar	662	As per BBMB email and letter dated 13.07.2026 : The pre-feasibility studies was conducted by WAPCOS, Majra PSP site has been assessed to have a power potential of 662 MW. Moreover, the site is facing R&R issues due to the increase in habitation in the Majra area in recent years As per BBMB email and letter dated 25.07.2026 : The project is to be taken up for detailed pre feasibility studies
2	Renukaji (Renuka)	•HPPCL (Himachal Pradesh Power Corporation Ltd.)	Sirmaur	Jogar ka Khala	Dadahu Storage	1630	Preliminary Report Prepared

3	DSHEP	Indicated by MoP to SJVNL (Taal Khad(135 MW) + Sadda (220 MW))	Hamirpur	Upper Reservoir on Sadda stream near to Sadda village on the right bank of River Beas	Under construction Dhaulasidh dam reservoir on the River Beas	180	"As per SJVNL email dated 27.07.2026 •As per the list of PSPs indicated by the Ministry of Power (MoP), two projects, namely TaalKhad PSP (135 MW) and Sadda PSP (220 MW), were indicated to SJVN. Subsequent to that, PFR level studies and alterative studies was carried out by the SJVN , based on which the two projects were merged and are now being developed as the DSHEP PSP •Also Pre-Feasibility Study report (PFR) completed. The project been taken for allotment from GoHP. Halted due to unfavourable PSP policy of the state."

4	Koldam PSP-I &II	•Indicated by MoP to NTPC(self identified)	Bilaspur	to be constructed (off Stream)	Koldam reservoir	2400	•Yet to be allotted by the State for development •PFR Prepared
5	Lehri	Indicated by MoP to BBMB(self identified)	Bilaspur		Bhakra reservoir	841	As per BBMB email dated 25.07.2026, the project is to be taken up for detailed pre feasibility studies
6	Raipur/Dobar Uparla	•Indicated by MoP to BBMB(self identified)	Una	To be constructed	Bhakra reservoir	1500	As per BBMB email and letter dated 13.07.2026, presently the site at Raipur/ Dober Uparla in the vicinty of Bhakra Dam has been selected for preparation of DPR
7	Dhurmu	Indicated by MoP to SJVNL	Mandi	Dhurmu nallah near Galech village	Downstream of the confluence of Ropri and Dhurmu nallah to form Kotlu nallah.	400	As per SJVNL email dated 27.07.2026: Pre-Feasibility Study report (PFR) completed. The project been taken for allotment from GoHP. Halted due to unfavourable PSP policy of the state.
8	Chhakmoh	BBMB	Hamirpur	To be constructed	existing Gobind Sagar reservoir	1400	As per BBMB email dated 25.07.2026, the project is to be taken up for detailed pre feasibility studies
9	Garial	BBMB	Kangra	To be constructed	existing Maharana Pratap Reservoir	2800	As per BBMB email dated 25.07.2026, the project is pending allotment from GoHP
10	Balwal	BBMB	Kangra	To be constructed	existing Maharana Pratap Reservoir	2500	As per BBMB email dated 25.07.2026, the project is to be taken up for detailed pre feasibility studies
11	Chaprah	BBMB	Kangra	To be constructed	existing Maharana Pratap Reservoir	900	As per BBMB email dated 25.07.2026, the project is to be taken up for detailed pre feasibility studies
12	Dodrah	BBMB	Kangra	To be constructed	existing Maharana Pratap Reservoir	2500	As per BBMB email dated 25.07.2026, the project is to be taken up for detailed pre feasibility studies
13	Sunni	Indicated by MoP to SJVNL (Chera Khad 500 MW)	Mandi	Near Shalag village on Chintla Nallah	Under construction Sunni dam reservoir on the River Satluj	645	As per SJVNL email dated 27.07.2026 •The project was indicatedas Chera Khad (500 MW) as per MoP indicated list , however subsequent to that PFR level studies and alterative studies was carried out by the SJVN and the project have undergone changes in respect of name and Installed Capacity •Also Pre-Feasibility Study report (PFR) completed. The project been taken for allotment from GoHP. Halted due to unfavourable PSP policy of the state.
13	**Total**					**18358**	

Summary of Hydro Power Development in Punjab

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		10	1300.73
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	9	1096.3
B	Projects under construction	1	206

I. Conventional Projects

Details of Exploitable Hydro Power Projects				
S.no	**Name**	**River**	**Type**	**I.C. (MW)**
1	Ranjit Sagar Dam (Thein)	Ravi	S	600
2	Shahpurkhandi (Shahpur)	Ravi	S	206
3	Mukerian Phase I	Tail water of pong dam	R	45
4	Mukerian Phase II	Tail water of pong dam	R	45
5	Mukerian Phase III	Tail water of pong dam	R	58.5
6	Mukerian Phase IV	Tail water of pong dam	R	58.5
7	Anandpur Sahib-I	AHC (Canala)	R	67
8	Anandpur Sahib-II	AHC (Canala)	R	67
9	Kotla	Satluj	R	77.34
10	Ganguwal	Satluj	R	76.39
10	**TOTAL**			**1300.73**

A. H.E. Projects in Operation:

S.No	UTILITY/ STATIONS	NO. OF STATIONS	NO. OF UNITS X CAPACITY (MW)	RIVER/ BASIN*	DISTRICT	I.C. (MW)	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
	PSPCL								
1	ANANDPUR SAHIB-I	1	(2X33.5)	AHC (CANAL)	RUPNAGAR	67	R	State	1985
2	ANANDPUR SAHIB-II	1	(2X33.5)	AHC (CANAL)	RUPNAGAR	67	R	State	1985
3	MUKERIAN-I	1	(3X15)	TAIL WATER OF PONG DAM	HOSHIARPUR	45	R	State	1983
4	MUKERIAN-II	1	(3X15)	TAIL WATER OF PONG DAM	HOSHIARPUR	45	R	State	1988-89
5	MUKERIAN-III	1	(3X19.5)	TAIL WATER OF PONG DAM	HOSHIARPUR	58.5	R	State	1989
6	MUKERIAN-IV	1	(3X19.5)	TAIL WATER OF PONG DAM	HOSHIARPUR	58.5	R	State	1989
7	RANJIT SAGAR	1	(4X150)	Reservoir on River Ravi	PATHANKOT	600	S	State	2000
	TOTAL PSPCL	**7**				**941**			
	BBMB								
8	GANGUWAL	1	(2X24.2)+ (1X29.25)	SATLUJ	RUPNAGAR	77.65	R	Central	1955-1962
9	KOTLA	1	(2X24.2)+ (1X29.25)	SATLUJ	RUPNAGAR	77.65	R	Central	1956-1961
	SUB-TOTAL BBMB (PUNJAB)	**2**				**155.3**			
9	**TOTAL PUNJAB**	**9**				**1096.3**			

*** ALL PROJECTS ARE IN INDUS BASIN**

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. H.E. Projects under Construction:

Sl. No.	Name of Project	Implementing Agency	River /Basin	District	I. C. (MW)	Type (R/S/R(P))	Sector	Likely Commissioning
1	Shahpurkandi	Irr. Deptt. & PSPCL	Ravi /Indus	Pathankot	206	S	State	2028-29 (June 28)
1	**Total**				**206**			

Summary of Hydro Power Development in Haryana

I. Conventional Projects

	Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)	-	-

Summary of Hydro Power Development in Rajasthan

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		4	411
Breakup of Hydro Power Potential (2017-23 study)			
A	Projects in operation	4	412.5

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		8	10800
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Projects Under Survey & Investigation	4	6160
b	Balance capacity	4	4640

I. Conventional Projects				
Details of Exploitable Hydro Power Projects				
S.No.	**Name**	**River**	**Type**	**I.C. (MW)**
1	Rana Pratap Sagar	Chambal	S	172
2	Jawahar Sagar	Chambal	R(P)	99
3	Mahi Bajaj-I	Mahi	S	50
4	Mahi Bajaj-II	Mahi	R (P)	90
4	**Total**			**411**

A. H.E. Projects in Operation:

SL. NO.	UTILITY/ STATIONS	NO. OF STATIONS	NO. OF UNITS X CAPACITY (MW)	RIVER	BASIN	DISTRICT	I.C. (MW)	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
RRVUNL										
1	JAWAHAR SAGAR	1	(3X33)	CHAMBAL	GANGA	BUNDI	99	R(P)	State	1972-1973
2	R P SAGAR	1	(3 x 43 +1 x 44.5)	CHAMBAL	GANGA	CHITTORGARH	173.5	S	State	1968-69
3	Mahi Bajaj-I	1	2 x 25	Mahi	CIR	BANSWARA	50	S	State	1986
4	Mahi Bajaj-II	1	2 x 45	Mahi	CIR	BANSWARA	90	R(P)	State	1989
4							**412.5**			

Note-Gandhi Sagar (115 MW) is In Operation in the state of Madhya Pradesh

II. Pumped Storage Projects

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Sukhpura Off-Stream	Chittorgarh	2560
2	Shahpur	Baran	1800
3	Sirohi	Sirohi	1200
4	Semaliya-II	chittorgarh	1200
5	Brahmani	Chittorgarh	600
6	Sirohi	Kolhapur	640
7	Singli	Banswara	1000
8	Balotra	Barmer	1800
8	**TOTAL**		**10800**

a. PSP under Survey & Investigation

S.No.	SCHEMES	Agency	Sector	District	River	INSTALLED CAPACITY		Remarks
						No. of units x Unit size(MW)	I.C. (MW)	
1	Sukhpura Off-Stream	Greenco	Private	Chittorgarh	Upper Reservoir &Lower Reservoir -off stream	7x320 + 2x160	2560	•Under S&I not in CEA •Date of MOA/MOU-24.01.2023
2	Shahpur	Greenco	Private	Baran	Upper Reservoir &Lower Reservoir -off stream	5x300 +2x150	1800	•Under S&I in CEA •Target date of preparation of DPR- 04/26 •Date of MOA/MOU-18.12.2021
3	Sirohi	JSW Energy	Private	Sirohi	Upper Reservoir &Lower Reservoir -off stream	3x400	1200	•Under S&I in CEA •Target date of preparation of DPR- 04/26 •Date of MOA-24.01.2022 (acknowledgment letter to LOI)
4	Brahmani	ACME Urja Two Pvt Ltd	Private	Chittorgarh	Upper reservoir & Lower Reservoir - Off Stream		600	•Under S&I not in CEA •Date of MOA/MOU-23.01.2023
4	**Total**						**6160**	

b. Balance Capacity

S.No.	SCHEMES	Agency	River		District	I.C. (MW)	Remarks
			Upper Reservoir	Lower Reservoir			
1	Semaliya-II	Semaliya Energy Private Limited			chittorgarh	1200	•Proposal not yet received in CEA • Agency- Semaliya Energy Private Limited •Date of grant of TOR-07.06.2023
2	Sirohi	Sasa Stone Private Limited			Kolhapur	640	•Proposal not yet received in CEA • Agency- Sasa Stone Private limited •Date of grant of TOR-13.06.2023
3	Singli	NHPC	Off Stream	Off Stream	Banswara	1000	"•Date of MOU-06.12.2024. • Date of registration with Govt. of Rajasthan: 07.02.202 • PFR Submitted to RRECL on 29.06.25 • Water allocation for initial filling received on 04.11.25 • NOC from DFO for conducting survey obtained on 05.03.26. • As per PFR, the project cost is Rs.6902.59 Cr. at price level of June, 2025 with a generation tariff of Rs. 5.86/unit. • In order to achieve commercial viability threshold, NHPC, on 12.05.26 requested for concessions / waiver of SGST and other incentives from state and Confirmation regarding off take of powe"
4	Balotra	Adani Green	Off Stream	Off Stream	Barmer	1800	•TOR Granted •Proposal not yet received in CEA •Date of grant of TOR-28.01.2025
4	**Total**					**4640**	

Summary of Hydro Power Development in Uttarakhand

I. Conventional Projects

		Nos.	I.C.(MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		55	13481.35
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	19	4035.35
B	Projects under construction	3	1264
C	Projects concurred by CEA/State Govt.	3	815
D	Projects returned to project authorities	7	939
E	Projects under S&I	1	422
F	Balance Capacity*	23	4123

*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.

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		3	2000
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	In operation	1	1000
b	Balance Capacity	2	1000

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S No.	Name of the Project	River	Type	I.C. (MW)
1	Chibro	Tons	R (P)	240
2	Khodri	Tons	R (P)	120
3	Vyasi (Lakhwar Vyasi-II)	Yamuna	R (P)	120
4	Dhakrani	Yamuna	R	33.75
5	Dhalipur	Yamuna	R	51
6	Kulhal	Tons	R	30
7	Maneri Bhalli-I	Bagirathi	R (P)	90
8	Maneri Bhalli-II	Bagirathi	R (P)	304
9	Tehri	Bagirathi	S	1000
10	Koteswar	Bagirathi	R(P)	400
11	Chilla (Rishikesh Hardwar)	Ganga	R	144
12	Vishnu Prayag	Alaknanda	R	400
13	Singoli Bhatwari (Mandakini)	Mandakini	R	99
14	Srinagar	Alaknanda	R (P)	330
15	Ramganga	Ramganga	S	198
16	Tanakpur	Sarda	R	94.2
17	Khatima	Sarda	R	41.4
18	Dhauliganga (Khet Tawaghat)	Dhauliganga	R (P)	280
19	Naitwar Mori	Tons	R (P)	60
20	Lata Tapovan	Dhauliganga	R	171
21	Tapovan Vishnugad (Tapoban Chunar)	Dhauliganga	R(P)	520
22	Vishnu Gad Pipalkoti	Alaknanda	R(P)	444
23	Phata Byung	Mandakini	R	76
24	Jakhol Sankari	Supin	R	44
25	Goriganga IIIA (Devibagar Khartoli)	Goriganga	R	150
26	Bowala Nand Prayag	Alaknanda	R	300
27	Pancheswar MPP (Pancheshwar-I)	Sarda	S	2400
28	Rupaligad Regulating Dam (Pancheshwar-II)	Sarda	S	120
29	Kishau Dam	Tons	S	660
30	Lakhwar MPP (Lakhwar Vyasi-I)	Yamuna	S	300

31	Kuwa ford	Yamuna	R	106
32	Arakot Tiuni (Nakot Patlasu)	Pabar	R	100
33	Tiuni Plasu (Tuini)	Tons	R	62
34	Mori Hanol (Ugmir)	Tons	R	26
35	Hanol Tiuni	Tons	R	62
36	Nand Prayag Langasu	Alaknanda	R	106
37	Uttyasu Dam	Alaknanda	S	720
38	Bampa Kurkuti	Dhauli Ganga	R	31
39	Jhelum Tamak	Dhauliganga	R (P)	135
40	Tamak Lata	Dhauliganga	R	130
41	Tikh Kunwargarh (Tikh Gurupha)	Pindar	R	82
42	Bagoli Dam	Pindar	R	126
43	Devasari Dam	Pindar	R	164
44	Garba Tawaghat	Sarda	R	398
45	Tawaghat Dharchula	Sarda	R	470
46	Kalika Dantu	Sarda	R	190
47	Bokang Bailing	Dhauliganga	R	192
48	Chunger Chal	Dhauliganga	R	130
49	Sela Urthing	Dhauliganga	R	126
50	Urthing Sobla	Dhauli Ganga	R	228
51	Sobala Jhimirigaon	Dhauli Ganga	R	118
52	Mapang Bogidiyar	Goriganga	R	280
53	Bogidiyar Sirkaribhyol	Goriganga	R	100
54	Sirkari Bhyol Rupsiyabagar	Goriganga	R	135
55	Ramganga Dam	Ram Ganga	S	44
55	**TOTAL**			**13481.35**

A. H.E. Projects in Operation:

S. NO.	UTILITY/ STATIONS	I.C. (MW)	River	District	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
	CENTRAL SECTOR						
	NHPC						
1	DHAULI GANGA	280	DHAULIGANGA	PITHORAGARH	R(P)	Central	2005
2	TANAKPUR	94.2	SARDA	CHAMPAVAT	R	Central	1992 (94.2 MW)
	SUB-TOTAL NHPC	**374.2**					
	THDC						
3	TEHRI ST-I	1000	BHAGIRATHI	TEHRI GARHWAL	S	Central	2006-2007
4	KOTESHWAR	400	BHAGIRATHI	TEHRI GARHWAL	R(P)	Central	2010-12
	TOTAL THDC	**1400**					
	SJVNL						
5	Naitwar Mori	60	Tons/ Yamuna	Uttarkashi	R	Central	2023
	SUB-TOTAL	**60**					
	SUB TOTAL CENTRAL	**1834.2**					
	STATE SECTOR						
	UJVNL						
6	CHIBRO (YAMUNA)	240	Tons River at Ichari Dam	DEHRADUN	R(P)	State	1975-1976
7	CHILLA	144	GANGA	HARIDWAR	R	State	1980-1981
8	DHAKRANI	33.75	Tons & Yamuna Rivers at Dakpathar Barrage	DEHRADUN	R	State	1965-1970
9	DHALIPUR	51	Tons & Yamuna Rivers at Dakpathar Barrage	DEHRADUN	R	State	1965-1970
10	KHATIMA	41.4	SHARDA	UDHAM SINGH NAGAR	R	State	1955-1956
11	KHODRI	120	TONS	DAK PATHAR	R(P)	State	1984
12	KULHAL	30	TONS	DEHRADUN	R	State	1975
13	MANERI BHALI- I	90	BHAGIRATHI	UTTARKASHI	R(P)	State	1984
14	MANERI BHALI- II	304	BHAGIRATHI	UTTARKASHI	R(P)	State	2008
15	RAMGANGA [RAMGANGA DAM (KALAGARH)]	198	RAMGANGA	PAURI GARHWAL	S	State	1975-1977
16	VYASI	120	YAMUNA/GANGA	DEHRADUN	R(P)	State	22.04.2022 (U#2) 24.05.2022 (U#1)
	TOTAL UJVNL	**1372.15**					
	PRIVATE						
	AHPC						
17	SHRINAGAR	330	ALAKNANDA	PAURI GARHWAL	R(P)	Private	2015
	JPPVL						
18	VISHNU PRAYAG	400	ALAKNANDA	CHAMOLI	R	Private	2006
	ReNew Power						
19	SINGOLI BHATWARI	99	Mandakini	RUDRAPRAYAG	R	Private	2020
	SUB TOTAL	**829**					
19	**TOTAL UTTARAKHAND**	**4035.35**					

Note: ALL PROJECTS ARE IN GANGA BASIN

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. H.E. Projects under Construction:

Sl. No.	Name of Project	Agency	District	I.C. (MW)	River	Basin	Type (R/S/R(P))	Sector	Likely Commissioning
1	Vishnugad Pipalkoti	THDC	Chamoli	444	Alaknanada	Ganga	R(P)	Central	2027-28 (Sept'27)
2	Tapovan Vishnugad	NTPC	Chamoli	520	Dhauliganga	Ganga	R(P)	Central	2028-29 (Mar'29)
3	Lakhwar MPP	UJVNL	Tehri Garhwal	300	Yamuna	Ganga	S	Central	2034-35 (Dec'34)
3	**Total**			**1264**					

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

C. H.E. Projects concurred by CEA and yet to be taken up for construction:

Sl. No.	Name of Project	River	Agency	District	I.C. (MW)	Type (R/S/R(P))	Sector	Status
1	Kotlibhel St-IA	Bhagirathi	NHPC	Tehri Garhwal	195	R	Central	EC accorded on 9.05.07. However, NHPC vide email dated 02.04.2021 furnished that EC expired in May'2012 FC-I accorded on 13.10.11 & for FC-II, Compliance Report is awaited from State Govt. However, NHPC vide email dated 02.04.2021 furnished that FC-I expired in Oct'2016. .#
2	Kotlibhel St-IB	Alaknanda	NHPC	Pauri & Tehri Garhwal	320	R	Central	EC accorded earlier by MoEF&CC on 14.08.07 was quashed by NEEA on 15.09.2010. Thereupon MoEF&CC withdrew the EC on 22.11 2010. MoEF&CC declined FC-I on 7.07.11..##
3	Alaknanda (Badri Nath)	Alaknanda	GMR	Chamoli	300	R	Private	EC accorded on 12.3.08. FC-I accorded on 8.11.11. FC-II accorded on 09.11.2012. The project is included in the list of 24 projects under review by Hon'ble Supreme Court. Validity of Concurrence expried on 07.08.2019.
3	**Total**				**815**			

The project is included in the list of 24 projects under review by Hon'ble Supreme Court. Hon'ble Supreme Court vide order dated 13.08.2013 directed the MoEF&CC as well as State of Uttrakhand not to grant any further Environmental Clearance for any hydropower projects in the State of Uttrakhand until further orders. In compliance to the above order, MoEF & CC constituted an Expert Body vide order dated 12.05.2015. Expert Body has recommended, in its report to MoEF&CC issued in Sept, 2017, that the project should operate to run one turbine continuously during lean season to minimize peaking impact at Devprayag. Hon'ble Supreme Court vide order dated 24.11.2015 directed MoP, MoEF&CC and MoWR to arrive at a common policy framework amongst three ministries which is yet to be formulated.

M/s. NHPC vide letter dated 22.10.2021 informed that the project has been closed w.e.f. 01.04.2021 vide NHPC office order dated 12.04.2021. Further, MoEF&CC has filed the affidavit dated 17.08.2021 before Hon'ble Supreme Court of India incorporating the responses of MoP and MoJS. It has been mentioned in the affidavit that there is consensus on only 7 projects, where substantial progress and sizeable investment have already been made, for implementation amongst the three Ministries and the Govt. of Uttarakhand. Kotlibhel- 1A HE Project of NHPC does not figure in this list.

##The project is included in the list of 24 projects under review by Hon'ble Supreme Court. Hon'ble Supreme Court vide order dated 13.08.2013 directed the MoEF&CC as well as State of Uttrakhand not to grant any further Environmental Clearance for any hydropower projects in the State of Uttrakhand until further orders. Further, MoEF&CC has filed the affidavit dated 17.08.2021 before Hon'ble Supreme Court of India incorporating the responses of MoP and MoJS. It has been mentioned in the affidavit that there is consensus on only 7 projects, where substantial progress and sizeable investment have already been made, for implementation amongst the three Ministries and the Govt. of Uttarakhand. Kotlibhel- 1B HE Project of NHPC does not figure in this list.

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

D. Hydro Projects Returned to Project Authorities for re-submission after compliance of observations:

Sl. No.	Name of Project	River	Agency	Sector	Type (R/S/R(P))	I.C. (MW)	Month of Return
1	Nand Prayag Langasu	Alaknanda	UJVNL	State	R	100	Apr-11
2	Mori Hanol	Tons	KKHPL	Private		63	Feb-10
3	Bogudiyar Sirkari Bhyol	Gori Ganga	GGHPL	Private	R	146	Sep-10
4	Tiuni Plasu	Tons	UID	State	R	72	Oct-10
5	Jhelum Tamak	Dhauliganga	THDCIL	Central	R(P)	108	Aug-19
6	Bowala Nand Prayag	Alaknanda	UJVNL	State	R	300	Sep-22
7	Goriganga-IIIA	Goriganga	NHPC	Central	R(P)	150	Jan-21
7	**Total**					**939**	

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

E. H.E. Projects under Survey & Investigation:

Sl. No.	Name of Project	River	I.C. (MW)	Agency	District	Type (R/S/R(P))	Date of MOA	Remarks
1	Kishau MPP	Tone	422	UJVNL	Dehradun	S	State	As per Minutes of 9th meeting of Upper Yamuna Review Committee held on 27.11.2025 , MD UJVNL/KCL informed that the DPR of the project will be finalised by December 2025
1	**Total**		**422**					

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

F. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C.(MW)	District	Remarks
1	Ram Ganga Dam	Ram Ganga	S	44	Pithoragarh	
2	Kuwa ford	Yamuna	R	106	Uttarkashi	
3	Bampa Kurkuti	Dhauli Ganga	R	31	Chamoli	
4	Tikh Kunwargarh (Tikh Gurupha)	Pindar	R	82	Bageshwar	
5	Uttyasu Dam	Alaknanda	S	720	Rudraprayag	
6	Sobla Jhimirigaon	Dhauli Ganga	R	118	Pithoragarh	
7	Tawaghat Dharchula	Sarda	R	470	Pithoragarh	
8	Kalika Dantu	Sarda	R	190	Pithoragarh	
9	Hanol tiuni	tons	R	62	Uttarkashi	
10	Bagoli Dam	Pindar	R	126	chamoli	
11	Jakhol sankari	Supin	R	44	Uttarkashi	
12	Urthing Sobla	Dhauliganga	R	228	Pithoragarh	
13	Mapang Bogidiyar	Goriganga	R	280	Pithoragarh	
14	Garba Tawaghat	MahaKali	R	398	Pithoragarh	• Intially alloted to NHPC •MoEF&CC has issued draft notification on 29.01.2019 regarding proposed ESZ of Askot Wildlife Sancutary. Publication of final notification of boundaries is still awaited. Being located on Mahakali River, the project would need to be developed jointly with Nepal under the provision of Mahakali Treaty.
15	Tamak Lata	Dhauliganga	R	130	Chamoli	•Initially alloted to UJVNL •Project included in the list of 24 HE project named in PIL under consideration by Hon'ble Supreme Court.
16	Chhunger - Chal	Dhauliganga	R	130	Pithoragarh	• Initially alloted to NHPC •Project was held up due to MoEF Clearance. Project in Askot wild life Sanctuary. PCCF (Wildlife) and Chief Warden Wildlife, Dehradun has since granted permission for S&I on 17.05.2016. NHPC vide letter dated 09.04.2018 intimated GoUK that it is not presently prudent to proceed further with implementation of Chungar Chal HE Project. State Govt. has requested NHPC to inform about their final decision on the project.
17	Devsari	Pindar	R	126	Chamoli	• • Initially alloted to SJVN •Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
18	Sela Urthing	Dhauliganga	R	192	Pithoragarh	•Initially alloted to UJVNL •Project held up due to MOJS is not in favour of consutruction of any other HEP in Ganga Basin
19	Bokang Bailing	Dhauliganga	R	164	Pithoragarh	•Initially alloted to THDC •Project held up due to MOJS is not in favour of consutruction of any other HEP in Ganga Basin
20	Arakot -Tiuni HEP	Pabar	R	100	Uttarkashi	•Initially alloted to UJVNL •Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
21	Lata Tapovan	Dhauliganga	R	171	Chamoli	•Initially alloted to NTPC •Matter is sub-judice. Infrastructure works almost completed. Hon'ble SC stayed construction of 24 HE projects in Uttarakhand including Lata Tapovan. Project is likely to be commissioned 4 years after restart of works. Work stalled since May, 2014.
22	Phata Byung	Mandakini	R	76	Rudraprayag	••Initially alloted to MJUPL (Starkraft) •Works stalled since July, 2017 due to Financial crunch.The project stands alloted to M/s Statkraft IH through NCLT on 23.03.2023. The revival of Environmental clearance is under process. Project is likely to be commissioned 2 years after restart of works.

23	Sirkari Bhyol Rupsiabaga	Goriganga	R	135	Pithoragarh	One project namely Sirkari Bhyol Rupsiabagar,it has been initmated by UJVNL that total cost has been estimated at Rs. 964.12crore 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
23	**Total**			**4123**		

Note: R –Run of the River & S- Storage

II. Pumped Storage Projects

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	River	I.C. (MW)
1	Tehri	Bhagirathi river	1000
2	Ichari	Tons	600
3	Maneri Bhali	Off Stream reservoirs	400
3	**Total**		**2000**

a. PSP In Operation

S.No.	Name	Agency	District	River	No. of units x Unit size(MW)	I.C. (MW)	Sector	Remarks
1	Tehri	THDC	Tehri Garhwal	Bhagirathi river	3x250	1000	Private	
1	**Total**					**1000**		

b. Balance Capacity

S.No.	SCHEMES	Agency	River		District	I.C. (MW)	Remarks
			Upper Reservoir	Lower Reservoir			
1	Ichari	UJVN	newly proposed upper reservoir on the eastern side of Ichari reservoir	existing Ichari Dam	Dehradun	600	CEA via letter dated 28.07.2025 requested CWC to confirm whether the proposal for Ichari can be taken up by UJVN
2	Maneri Bhali	UJVN	Off Stream	Off Stream	Dehradun	400	CEA via letter dated 28.07.2025 requested CWC to confirm whether the proposal for Ichari can be taken up by UJVN
2	**TOTAL**					**1000**	

Summary of Hydro Power Development in Uttar Pradesh

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		4	501.6
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	4	501.6

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		13	19160
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Under Survey & Investigation	6	9700
b	Concurred and yet to be taken up for construction	2	4860
c	Balance capacity	4	4600

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.No	Name	River	Type	I.C. (MW)
1	Khara	Yamuna	R (P)	72
2	Matatila	Betwa	S	30.6
3	Obra	Rihand	S	99
4	Rihand	Rihand	S	300
4	**Total**			**501.6**

A. Projects in operation

SL. NO.	STATIONS	NO. OF STATIONS	NO. OF UNITS X CAPACITY (MW)	RIVER/ BASIN*	DISTRICT	I. C. (MW)	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
UPJVNL									
1	KHARA	1	(3X24)	YAMUNA LINK CHANNEL	SUNEBHADRA	72	R(P)	State	1992
2	MATATILLA	1	(3X10.2)	BETWA	LALITPUR	30.6	S	State	1965
3	OBRA	1	(3X33)	RIHAND	SUNEBHADRA	99	S	State	1970-1971
4	RIHAND	1	(6X50)	Rihand	SINGRAULI	300	S	State	1961-1965
4	**TOTAL UPJVNL**	**4**				**501.6**			

II. Pumped Storage Projects

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Kandhaura	Sonbhadra	1680
2	Musakhand	Chandauli	600
3	UP01	Sonbhadra	3000
4	Shoma	Sonbhadra	2400
5	Sonbhadra	Sonbhadra	1200
6	Sashnai	Sonbhadra	1760
7	Astha UP	Mirzapur and Prayagraj	640
8	Panaura	Sonbhadra	1500
9	Jhariya	Sonbhadra	1620
10	Chichlik	Sonbhadra	1560
11	Kalu patti	Mirzapur	1000
12	Cherue	Sonbhadra	1200
13	Sukhnai	Mirzapur	1000
13	**Total**		**19160**

a. PSP under Survey & Investigation

S.No.	SCHEMES	Agency	Sector	District	River	INSTALLED CAPACITY		Remarks
						No. of units x Unit size(MW)	I.C. (MW)	
1	Musakhand	ACME Urja Two Private Limited	Private	Chandauli	Off Stream	(2x 200 MW + 2 x 100 MW)	600	•Under S&I not in CEA •Date of MoA/MoU-03.04.2023
2	UP01	Greenko	Private	Sonbhadra	Off Stream	10 x 300	3000	•Under S&I in CEA •Date of MoA/MoU--01.02.2023
3	Shoma	Torrent Power	Private	Sonbhadra	Off Stream	7x300+2x150	2400	•Under S&I in CEA •Date of MoA/MoU-20.01.2023
4	Panaura	Adani green	Private	Sonbhadra	Off Stream	4x300 +2x150	1500	•Under S&I in CEA •Date of MoA/MoU-- 16.05.2024
5	Kalu Patti	Renew Hydro	Private	Mirzapur	Off Stream	5 x 200	1000	•Under S&I in CEA •Date of MoA/MoU-25.06.2024
6	Cherue	Adani Hydro Energy six Limited	Private	Sonbhadra	Off Stream	3 × 300 + 2 × 150	1200	•Under S&I not in CEA •Date of MoA/MoU-01.07.2025
6	**Total**						**9700**	

b. PSP Concurred and yet to be taken up for construction

S.No.	SCHEME	Agency	Sector	District	River	INSTALLED CAPACITY		Remarks
						No. of units x Unit size(MW)	I.C. (MW)	
1	Kandhaura	JSW Energy	Private	Sonbhadra	Off Stream	5x280+2x140	1680	Date of concurrence - 13.06.2025
2	Chichlik	Avaada	Private	Sonbhadra	Off Stream	5x260 + 2x130	1560	Date of concurrence - 08.07.2026
3	Jhariya	Jhariya Anant Urja	Private	Sonbhadra	Off stream	5x270 + 2x135	1620	Date of concurrence - 13.08.2026
2	**Total**						**4860**	

c. Balance Capacity

S.No.	SCHEMES	Agency	River		District	I.C. (MW)	Remarks
			Upper Reservoir	Lower Reservoir			
1	Sonbhadra	Sri Siddharth Infratech & Services (I) Private Limited			Sonbhadra	1200	•Proposal not yet received in CEA • Agency-Sri Siddharth Infratech & Services (I) Privated Limited •Date of grant of TOR-07.06.2023
2	Sashnai	Torrent Power Limited			Sonbhadra	1760	•Proposal not yet received in CEA • Agency-Torrent Power limited •Date of grant of TOR-14.12.2023

3	Astha UP	Astha Green Energy Ventures India Private Limited			Mirzapur and Prayagraj	640	•Proposal not yet received in CEA • Agency-Astha Green Energy Ventures India Private Limited •Date of grant of TOR-13.06.2023
4	Sukhnai	Hinduja Renewables Energy Private Limited			Mirzapur	1000	•Proposal not yet received in CEA •Date of grant of TOR-27.04.2026
4	**Total**					**4600**	

Summary of Hydro Power Development in Madhya Pradesh

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Large Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		14	2819
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	9	2235
B	Balance Capacity	5	584

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		15	16910
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Concurred and yet to be taken up for construction	1	640
b	Under Construction	1	1920
c	Under S&I	2	3150
d	Balance Capacity	11	11200

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.No.	Name of Project	River	Type	I.C.(MW)
1	Bargi	Narmada	S	90
2	Indira Sagar (Narmada Sagar)	Narmada	S	1000
3	Omkareshwar	Narmada	S	520
4	Maheshwar	Narmada	R	400
5	Basania	Narmada	S	56
6	Hoshangabad (Jahanpur)	Narmada	R	58
7	Bauras	Narmada	R	44
8	Burhner	Burhner	S	26
9	Gandhi Sagar	Chambal	S	115
10	Rajghat	Betwa	S	45
11	Madhikheda	Sindh	S	60
12	Bansagar-III (Bansagar)	Sone	R	60
13	Bansagar-II (Beehar)	Sone	S	30
14	Bansagar-I (Tons)	Tons	R(P)	315
14	**Total**			**2819**

A. H.E. Projects in Operation:

S. No.	Utility/ Stations	No. of Stns.	No. Of units x Capacity (MW)	River	Basin	District	I.C. (MW)	Type (R/S/R(P))	Sector	Year of commissioning
	NHDC									
1	INDIRA SAGAR	1	(8X125)	NARMADA	CIR	KHANDWA	1000	S	Central	2004-2005
2	OMKARESHWAR	1	(8X65)	NARMADA	CIR	KHANDWA	520	S	Central	2007
	SUB-TOTAL NHDC	**2**					**1520**			
	TOTAL CENTRAL	**2**					**1520**			
	MPPGCL									
3	BANSAGAR TONS-I	1	(3X105)	TONS	GANGA	SATNA	315	R(P)	State	1991-1992
4	BANSAGAR TONS-III	1	(3X20)	SONE	GANGA	DEOLOND	60	R	State	2001-2002
5	BANSAGAR TONS-II	1	(2X15)	SONE	GANGA	SILPARA	30	S	State	2002
6	BARGI	1	(2X45)	NARMADA	CIR	JABALPUR	90	S	State	1988
7	GANDHI SAGAR	1	(5X23)	CHAMBAL	GANGA	MANDSAUR	115	S	State	1960-1966
8	MADHIKHERA	1	(3X20)	KALI SINDH	GANGA	SHIVPURI	60	S	State	2006-2007
9	RAJGHAT	1	(3X15)	BETWA	GANGA	ASHOK NAGAR	45	S	State	1999
	SUB-TOTAL MPPGCL	**7**					**715**			
9	**TOTAL MP**	**9**					**2235**			

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. Balance Capacity

S.No.	Name of Project	I.C. (MW)	District	River	Type	Remarks
1	Burhner	26	Mandla	Burhner	S	
2	Basania	56	Mandla	Narmada	S	
3	Hoshangabad (Jahanpur)	58	Hoshangabad	Narmada	R	
4	Bauras	44	Raisen	Narmada	R	
5	Maheshwar (Pvt.)	400	Khargone & Khandwa	Narmada	R	•Initally alloted to SMHPCL •Matter is sub-judice. Works suspended since Nov-11 due to cash flow problem with developer. M.P. Power Management Company Ltd. has terminated the Power Purchase Agreement with SMHPCL on 18.04.2020. The application of PFC has been admitted in NCLT on 27.09.2022 under IBC. CIRP has been put on hold by NCLT vide order dated 17.03.2023 in an application filed by Entegra Ltd. PFC has filed an Appeal before the NCLAT against the NCLT Order dated 17.03.2023 for recommencement of CIRP.Project is likely to be commissioned 2 years after restart of works.
5	**Total**	**584**				

Note: R –Run of the River & S- Storage

II. Pumped Storage Projects

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Indira Sagar-Omkareshwar PSP	Khandwa	640
2	MP30 Gandhi Sagar	Neemach	1920
3	Tekwa-2	Khargone	800
4	Satpura-2	Chhindwara	1000
5	Panari	Panna	1800
6	Astha MP	Khargone	1200
7	MP Pumped Storage Project	Panna	600
8	Rewa	Rewa	600
9	Jankhai	Rewa	1500
10	Bargi	Mandla	1000
11	Hiran	Jabalpur	1000
12	Ambapani	Dewas	1000
13	Badagaon	Rewa	1000
14	Shivni	Barwani	1350
15	Patalkot	Chhindwara	1500
15	**Total**		**16910**

a. PSP Concurred and yet to be taken up for construction

S.No.	SCHEMES	Agency	Sector	District	River		I.C. (MW)		Remarks
					Upper Reservoir	Lower Reservoir	No. of units x Unit size(MW)	MW	
1	Indira Sagar-Omkareshwar PSP	NHDC	Central	Khandwa	ISP Reservoirr	Omkareshwar reservior	8x80	640	Date of Concurrence - 17.08.2026
1	**Total**							**640**	

b. PSPs Under Construction

S.No.	SCHEMES	Agency	Sector	District	River		I.C. (MW)		Remarks
					Upper Reservoir	Lower Reservoir	No. of units x Unit size(MW)	MW	
1	MP30 Gandhi Sagar	Greenko MP01 IREP Private Limited	Private	Neemach	Off Stream	Chambal	7x240+2x120	1920	•Likely Commissioning-2026-27(Dec'26)
1	**Total**							**1920**	

c.PSPs Under S&I

S.No.	SCHEMES	Agency	Sector	District	River		I.C. (MW)		Remarks
					Upper Reservoir	Lower Reservoir	No. of units x Unit size(MW)	MW	
1	Panari	Sri Siddharth Infratech & Services (I) Private Limited	Private	Panna	Off Stream	on a stream/nallah	5 x 300 + 2 x 150	1800	•Under S&I in CEA • Date of MoA/MoU-24.02.2025 •Target date of preparation of DPR-03/27
2	Shivni	Adani Hydro Energy Fifty-Two Limited	Private	Barwani	Off Stream	Off Stream	4 × 300 + 1 × 150	1350	•Under S&I not in CEA •As per info received from adani via email dated 23.07.2026 : The PSP is alloted to Adani Hydro Energy Fifty-Two Ltd on 08.08.2025 by New and Renewable Energy Department, Government of Madhya Pradesh.
2	**Total**							**3150**	

d. Balance Capacity

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Reamrks
				Upper Reservoir	Lower Reservoir		
1	Satpura-2	NHPC	Chhindwara	Latitude - 22.4043° Longitude - 78.8169°	Latitude - 22.4283° Longitude - 78.7933°	1000	•Yet to be allotted by the State for development •PFR Prepared
2	Astha MP	Astha Green Energy Ventures India Private Limited	Khargone			1200	•Proposal not yet received in CEA • Agency- Astha Green Energy Ventures India Private Limited •Date of grant of TOR-17.04.2023
3	MP Pumped Storage Project	Rithwik Projects Private Limited	Panna			600	•Proposal not yet received in CEA • Agency- Rithwik Projects Private Limited •Date of grant of TOR-13.06.2023
4	Rewa	Dhakara Energy	Rewa			600	•Proposal not yet received in CEA • Agency- Sasa Stone Private Limited •Date of grant of TOR-13.06.2023, transffered from SASA Stone on 20.07.2026
5	Tekwa-2	NHDC	Khargone	Off Stream	Off Stream	800	•Initially alloted to NHDC •Project held up as allotment was pending
6	Jankhai	GSC PSP Madhya Pvt Ltd	Rewa			1500	•Proposal not yet received in CEA •Date of grant of TOR-22.09.2025
7	Bargi	Serentica Renewables India 21 Pvt. Ltd.	Mandla			1000	•Proposal not yet received in CEA •Date of grant of TOR-24.11.2025
8	Hiran	Renew Green (TNJ Two)	Jabalpur			1000	•Proposal not yet received in CEA •Date of grant of TOR-22.12.2025
9	Ambapani	Adani Hydro energy two limited	Dewas	Off Stream	Off Stream	1000	MoU signed on 08.08.2025 with New & renewable Energy Department, Madhya Pradesh As per email received on 28.07.2026 from MOEF ToR has been granted
10	Badagaon	Renew Green (Tnj Two) Private Limited	Rewa	Off Stream	Off Stream	1000	•TOR Granted •Proposal not yet received in CEA •Date of grant of TOR-08.06.2026"
11	Patalkot	Torrent Energy Storage Solutions Private Limited	Chhindwara	Off Stream	Off Stream	1500	•TOR Granted •Proposal not yet received in CEA •Date of grant of TOR-14.09.2026
11	**Total**					**11200**	

Summary of Hydro Power Development in Chhattisgarh

I. Conventional Projects

		Nos.	I.C.(MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		11	1311
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	1	120
B	Balance Capacity	10	1191

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		13	13600
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Under S&I	7	9300
b	Balance Capacity	6	4300

I. Conventional Projects

Details of Exploitable Hydro Power Projects

Sl.No.	Name of Project	River	Type	I. C. (MW)
1	Hasdeo Bango	Hasdeo	S	120
2	Bodhghat	Indravati	S	252
3	Kutru-I	Indravati	S	96
4	Kutru-II	Indravati	S	275
5	Nugur-I	Indravati	S	272
6	Kotri	Kotri	S	44
7	Konta	Sabari	R	68
8	Joka	Kanhar	S	30
9	Pasal	Rihand	S	82
10	Duniadhih (Duniahin)	Rehar	S	46
11	Rehar-II (Karri)	Rehar	S	26
11	**Total**			**1311**

A. H.E. Projects in Operation:

S. No.	Utility/ Stations	No. of Station	No. of units x Capacity (MW)	I.C. (MW)	River/ Basin	District	Type (R/S/R(P))	Sector	Year of commissioning
	CSPGCL								
1	HASDEO BANGO	1	(3X40)	120	HASDEO/ CIR	KORBA	S	State	1994-1995
1	**TOTAL CSPGCL**	**1**		**120**					

B. Balance Capacity

Sl. No.	Name of Project	River	I.C. (MW)	District	Type
1	Bodhghat	Indravati	252	Dantewada	S
2	Kutru-I	Indravati	96	Bastar	S
3	Kutru-II	Indravati	275	Bastar	S
4	Nugur-I	Indravati	272	Dantewada	S
5	Kotri	Kotri	44	Bastar	S
6	Konta	Sabari	68	Dantewada	R
7	Joka	Kanhar	30	Surguja	S
8	Pasal	Rihand	82	Surguja	S
9	Duniadhih	Rehar	46	Surguja	S
10	Rehar-II (Karri)	Rehar	26	Surguja	S
10	**Total**		**1191**		

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

II. Pumped Storage Projects
Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Dangari	Jashpur	1400
2	Rouni	Raigarh	2100
3	Chikni	Surajpur	325
4	Kharauli	Surajpur	500
5	Hasdeo Bango	Korba	800
6	CHH-09	Surguja	1200
7	Gandhwani	Surguja	1200
8	Bilaspur	Bilaspur	1000
9	Sikaser	Gariaband	1200
10	Chirec	Surajpur	75
11	Kotpali	Balrampur	1800
12	Parsapani	Bilaspur	1000
13	Mudghusri	Kabeerdham	1000
13	**Total**		**13600**

a. PSP under S&I

S. No.	Name of project	IC	Agency	Sector	River		District	Remarks
					Upper Reservoir	Lower Reservoir		
1	Hasdeo Bango	800	CSPGCL	State	Offstream	Exisiting Hasdeo bango reservoir on hasdeo river	Korba	•Under S&I in CEA •Target date of DPR Preparation-03/26 •Date of MoA/ MoU-06.10.2023
2	Bilaspur	1000	Jindal renewables	Private	Offstream	Offstream	Bilaspur	•Under S&I not in CEA •Date of MoA/ MoU-08.09.2023
3	Rouni	2100	CSPGCL	State	Off Stream	on river IB , tributori of Mahanadi	Jashpur	•Under S&I in CEA •Target date of DPR Preparation-12/26 •Date of MoA/ MoU-06.10.2023
4	Sikaser	1200	CSPGCL	State	Off Stream	Sikaser Dam	Gariyaband	•Under S&I in CEA •Target date of DPR Preparation-08/26 •Date of MoA/ MoU- 06.10.2023
5	Dangari	1400	CSPGCL	State	Off Stream	on Geor Nadi	Jashpur	•Under S&I in CEA •Target date of DPR Preparation-12/27 •Date of MoA/ MoU- 06.10.2023
6	Kotpali	1800	CSPGCL	State	Off Stream	Off Stream	Balrampur	•Under S&I in CEA •Date of MoA/ MoU- 06.10.2023
7	Mudghusri	1000	Renew Vidyut Tez Pvt. Ltd.	Private	Off Stream	Off Stream	Kabeerdham	•Under S&I in CEA •Date of MoA/ MoU- 10.03.2025
7	**Total**	**9300**						

b. Balance Capacity

S.No.	SCHEMES	Agency	River		District	I.C. (MW)	Remarks
			Upper Reservoir	Lower			
1	Chikni	Chikini Energy Private Limited			Surajpur	325	•Proposal not yet received in CEA • Agency- Chikni Energy Private Limited •Date of grant of TOR-07.08.2023
2	Kharauli	Kharauli Energy Private Limited			Surajpur	500	•Proposal not yet received in CEA • Agency- Kharauli Energy Private Limited •Date of grant of TOR-10.09.2023
3	CHH-09	Sterlite Grid 36 Limited			Surguja	1200	•Proposal not yet received in CEA • Agency- Sterlite Grid 36 Limited •Date of grant of TOR-22.01.2024
4	Gandhwani	Gandhwani Energy Private Limited			Surguja	1200	•Proposal not yet received in CEA • Agency- Gandhwani Energy Private Limited •Date of grant of TOR-05.02.2024
5	Chirec	Venika Green				75	•Proposal not yet received in CEA •Agency- Venika Green Power Private Limited •Submitted to MOEF
6	Parsapani	Hinduja Renewables Energy Pvt Ltd			Bilaspur	1000	•Proposal not yet received in CEA • Agency- Hinduja Renewables Energy Pvt Ltd •Date of grant of TOR-30.04.2025
6	**TOTAL**					**4300**	

Summary of Hydro Power Development in Gujarat

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		2	550
Breakup of Hydro Power Potential (2017-23 Study)			
A	Capacity in operation	2	550

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		45	33359
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	In Operation	2	1440
b	Under S&I	8	6190
c	Balance Capacity	35	25729

Two pumped storage projects, namely Kadana (4x60 = 240 MW) and Sardar Sarovar (6x200 = 1200 MW) are constructed but not working in pumping mode. Kadana is not operating in pumping mode due to vibration problem. Sardar Sarovar Project is an interstate project of Gujarat, MP & Maharashtra and the operation of this project in pumping mode is under discussion with Narmada Control Authority (NCA) and concerned State Govts.

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	I.C. (MW)	Type
1	Ukai	Tapti	300	S
2	Sardar Sarovar CHPH	Narmada	250	R(P)
2	**TOTAL**		**550**	

A. H.E. Projects in Operation:

S. No.	Utility/ Stations	No. of Stns.	No. of units x Capacity (MW)	River / Basin*	District	I.C. (MW)	Type (R/S/R(P))	Sector	Year of commissioning
	GSECL								
1	UKAI	1	(4X75)	TAPI	TAPI	300	S	State	1974-1976
	SUB-TOTAL GSECL	**1**				**300**			
	SSNNL								
2	SARDAR SAROVAR CHPH	1	(5X50)	NARMADA	NARMADA	250	R(P)	State	2004
	SUB-TOTAL SSNNL	**1**				**250**			
2	**TOTAL GUJARAT**	**2**				**550**			

*** All projects are in CIR Basin**

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

II. Pumped Storage Projects

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Kadana	Mahisagar	240
2	Sardar Sarover	Narmada	1200
3	Ukai	Tapi	1600
4	Pindval	Vaisad	1000
5	Tokarpada	Vaisad	1300
6	Serula	Tapi	960
7	Juni kayaliwel	Tapi	300
8	Amalpada	Tapi	300
9	Juni Bavli	Tapi	450
10	Satkashi	Tapi	330
11	Dharoi	Banaskantha and Mahesana	1250
12	Sukhi		500
13	Motaraypura	Narmada	1000
14	Kaprada	Valsad	1300
15	Wilson Ghat	Valsad	1000
16	Ulaspedhi/Bhanaval	Valsad	836
17	Piramal/Titu Khadak	Valsad	816
18	Ukhatiya	Dang	800
19	Pindval/Bhanaval	Valsad	800
20	Karchond Village	Dang	760
21	Fali/Narwad	Valsad	680
22	Wasurna Village	Dang	660
23	Ghotan	Valsad	620
24	Rahor/Piproti	Valsad	572
25	Itavadi Village	Sabarkantha	400
26	Moti Palsan	Valsad	720
27	Anjankund	Dang	405
28	Ganiyabar	Chhota udepur	700
29	Dharsimel	Chhota udepur	700
30	Turkheda	Chhota udepur	760
31	Sagbara	Narmada	720
32	Khajuri	Dahod	360
33	Dobachapura	Chhota udepur	500
34	Abhapur/ Khervada	Sabarkantha	200
35	Limkhetar	Narmada (NWDT)	1500
36	Makhaniyo hill	Chhota udepur	500
37	Dhanpur	Chhota udepur	510
38	Kewada	Chhota udepur	560
39	Satun	Chhota udepur	200
40	Gata	Chhota udepur	150
41	Kamodiya	Narmada	700
42	Upla Junaraj	Narmada	1500
43	Kanjal	Narmada	600
44	Panchkhadi	Narmada	1500
45	Kuppa	Chhota udepur	900
45	**Total**		**33359**

a. PSP In Operation

S.No.	SCHEMES	Agency	River		District	I.C. (MW)	Sector	Remarks
			Upper Reservoir	Lower Reservoir				
1	Kadana	GSECL	Mahi	Mahi	Mahisagar	240	State	Not Working in Pumping Mode
2	Sardar Sarover	SSNNL	Narmada	Narmada	Narmada	1200	State	Not Working in Pumping Mode
2	**TOTAL**					**1440**		

b. PSP Under S&i

S.No.	SCHEMES	Agency	River		District	LC. (MW)	Secur	Remarks
			Upper Reservoir	Lower Reservoir				
1	Sevak	GSECL	Off Stream	Off Stream	Tapi	960	State	•Under S&I not in CEA •Date of MoA/MoU- 17.08.2024
2	JaniKyabari	GSECL	Off Stream	Off Stream	Tapi	300	State	•Under S&I not in CEA •Date of MoA/MoU- 17.08.2024
3	Amalpada	GSECL	Off Stream	Off Stream	Tapi	300	State	•Under S&I not in CEA •Date of MoA/MoU- 17.08.2024
4	JaniKesk	GSECL	Off Stream	existing Ukai Reservoir	Tapi	450	State	•Under S&I not in CEA •Date of MoA/MoU- 17.08.2024
5	Sankashi	GSECL	Off Stream	Off Stream	Tapi	330	State	•Under S&I not in CEA •Date of MoA/MoU- 17.08.2024
6	Ukai	Gawalin	Off Stream	Off Stream	Tapi	1600	Private	•Under S&I not in CEA
7	Dhanoi	GSECL	Off Stream	Dhanoi Reservoir	Banaskhanta	1250	State	•Under S&I in CEA •Date of MoA/MoU- 17.08.2024
8	Mesmajogpura	GSECL	Off Stream	existing Kadpai Reservoi	Narmada	1000	State	•Under S&I in CEA •Date of MoA/MoU- 17.08.2024
8			**TOTAL**			**6150**		

c. Balance Capacity

S.No.	SCHEMES	Agency	River		District	LC. (MW)	Remarks
			Upper Reservoir	Lower Reservoir			
1	Pindwal	Torrent Power Limited			Valsad	1000	•Proposal not yet received in CEA • Agency- Torrent Power •Date of grant of TOR-23.09.2023 •Date of MoU - 09.10.2025
2	Tokarpada	Torrent Power Limited			Valsad	1300	•Proposal not yet received in CEA • Agency- Torrent Power •Date of grant of TOR-23.09.2024 •Date of MoU - 09.10.2025
3	Sukhi	GSECL			Chhota udepur	500	•Proposal not yet received in CEA •Agency - GSECL •Proposal Accepted and Referred to EAC
4	Kaprada	Gujarat Industries Power Company Ltd.,			Valsad	1300	GIPCL is in the process of appointing the consultant to prepare Feasibility Report and DPR
5	Wilson Ghat	Gujarat Industries Power Company Ltd.,			Valsad	1000	GIPCL is in the process of appointing the consultant to prepare Feasibility Report and DPR
6	UlaspedhiBhanavad	GSECL	Off Stream	Off Stream	Valsad	836	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- forest area Lower Reservoir- forest area
7	PiramalTilaKhadak	GSECL	Off Stream	Off Stream	Valsad	816	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir-Forest area Lower Reservoir- Forest Area
8	Ubhatiya	GSECL	Off Stream	Off Stream	Dang	800	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir-Forest area Lower Reservoir- Non Forest area
9	PimbaliBhanavad	GSECL	Off Stream	Off Stream	Valsad	800	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir-Forest area Lower Reservoir- Forest area
10	Kanchaud Village	GSECL	Off Stream	Off Stream	Dang	760	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir-Forest area Lower Reservoir- Non forest area
11	FokiNarsvad	GSECL			Valsad	680	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
12	Wawana Village	GSECL	Off Stream	Off Stream	Dang	660	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir-Forest area Lower Reservoir- Forest area
13	Ghoran	GSECL	Off Stream	Off Stream	Valsad	620	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir-Forest area Lower Reservoir- Forest Area
14	RahenPipvoi	GSECL	Off Stream	Off Stream	Valsad	572	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir-Near Forest area Lower Reservoir- Forest area
15	Itavali Village	GSECL	Off Stream	Off Stream	Sabarkantha	400	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir-Forest area Lower Reservoir- Forest area
16	Moti Pakan	GSECL			Valsad	720	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
17	Anjankund	GSECL	Off Stream	Off Stream	Dang	405	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
18	Ganjuhar	GSECL			Chhota udepur	700	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
19	Dharsimal	GSECL			Chhota udepur	700	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
20	Tadkheda	GSECL			Chhota udepur	760	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
21	Saghara	GSECL			Narmada	720	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. The Project area falls in Shoolpaneshwar Wildlife Sanctuary
22	Khajuri	GSECL	Off Stream	Off Stream	Dahod	360	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
23	Dolsachipura	GSECL	Off Stream	Off Stream	Chhota udepur	500	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
24	Akhepar/Kherwada	GSECL	Off Stream	Off Stream	Sabarkantha	200	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
25	Limkheta	GSECL			Narmada (NWDT)	1500	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. Upper Reservoir- Forest area Lower Reservoir- Forest area
26	Mukhatejee hill	GSECL			Chhota udepur	500	All the PSPs are falling in Eco-Sensitive Zone (ESZ) of Jabugshoda & Ratanmahal Wildlife Sanctuary
27	Dhanpur	GSECL			Chhota udepur	510	
28	Kowala	GSECL			Chhota udepur	560	
29	Sanas	GSECL			Chhota udepur	200	
30	Gata	GSECL			Chhota udepur	150	
31	Kamodiya	GSECL			Narmada	700	As per email dated 20.06.2026 (Letter No. GSECL/PP/PSP/DPR/160 dated 19.06.2026) from GSECL. All the PSPs are falling in Core area of Shoolpaneshwar Wildlife Sanctuary
32	Upla Juneraj	GSECL			Narmada	1500	
33	Kanjal	GSECL			Narmada	600	
34	PanchMahali	GSECL			Narmada	1500	
35	Kuppa	NHPC	Off Stream	Off Stream	Chhota udepur	900	• MoU signed on 03.01.2024, project allotment is awaited. • As per PFR, the project cost is Rs 3979.36 Cr. at price level of Aug, 2024 with a generation tariff of Rs. 6.64/unit. • In order to achieve commercial viability threshold, NHPC, on 21.05.2026 requested Govt. of Gujarat for suitable concessions/ waivers/ incentives applicable to the project. Confirmation of State Government in this regard is awaited.
35	**TOTAL**					**25729**	

Summary of Hydro Power Development in Maharashtra

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		16	3144.0
Breakup of Hydro Power Potential (2017-23)			
A	Projects in operation	12	2647
B	Balance Capacity	4	497

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		49	67595
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	In Operation	2	400
b	Under S&I	18	34400
c	Under Construction	4	7000
d	Concurred and yet to be taken up for construction	2	3300
e	Balance Capacity	23	22495

I. Conventional Projects

Details of Exploitable Hydro Power Projects				
S.no	**Name**	**River**	**Type**	**I.C. (MW)**
1	Vaitarna (Vaitarna I)	Vaitarna	S	60
2	Bhira Tail Race	Kundalika	R (P)	80
3	Tillari	Tillari	R (P)	60
4	Bhandardara St-II	Pravara	R (P)	34
5	Pench	Pench	S	160
6	Wainganga	Wainganga	S	138
7	Samda	Wainganga	R	45
8	Kunghara	Wainganga	R	100
9	Pranhita	Pranhita	S	214
10	Bhivpuri	Andhra	S	75
11	Khopoli	Indrayani	S	72
12	Bhira	Neela& Mula	S	150
13	Koyna Dam P/H	Koyna	S	36
14	Koyna St. I & II	Koyna	S	600
15	Koyna St. III	water discharge d from units(St-I, II & IV	R (P)	320
16	Koyna St. IV	Koyna	S	1000
16	**TOTAL**			**3144**

A. H.E. Projects in Operation:

S. No.	Utility/	No. Of stns.	No. Of units x Capacity (MW)	River	Basin	District	I.C. (MW)	Type (R/S/R(P))	Sector	Year of commissioning
	MAHAGENCO									
1	BHIRA TAIL RACE	1	(2X40)	KUNDALIKA	WFR	RAIGAD	80	R(P)	State	1987-1988
2	KOYNA DPH	1	(2X18)	KOYNA	EFR	SATARA	36	S	State	1980-1981
3	KOYNA-I&II	1	(4X70)+ (4X80)	KOYNA	EFR	PATAN	600	S	State	1962-1967
4	KOYNA-III	1	(4X80)	Water let out through ulestward units (St-I,II & IV)	EFR	RATNAGIRI	320	R(P)	State	1975-1978
5	KOYNA-IV	1	(4X250)	KOYNA	EFR	SATARA	1000	S	State	1999-2000
6	TILLARI	1	(1X60)	TILLARI	WFR	KOLHAPUR	60	R(P)	State	1986
7	VAITARNA	1	(1X60)	VAITARNA	WFR	NASIK	60	S	State	1976
	SUB-TOTAL MAHAGENCO	**7**					**2156**			
	MPPGCL									
8	PENCH	1	(2X80)	PENCH	EFR	CHINDWARA	160	S	State	1986-1987
	SUB-TOTAL MPPGCL	**1**					**160**			
	TOTAL STATE SECTOR	**8**					**2316**			
	PRIVATE									
	DODSON-LINDBLOM HYDRO POWER PVT. LTD. (DLHP)									
9	BHANDARDHARA ST-II	1	(1X34)	PRAVARA	EFR	Admednagar	34	R(P)	Private	1996
	SUB-TOTAL DLHP	**1**					**34**			
	TATA POWER COMPANY (PVT.)									
10	BHIRA	1	(6X25)	NEELA & MULA	EFR	RAIGAD	150	S	Private	1927-1949
11	BHIVPURI	1	(3X24) + (2X1.5)	ANDHRA	EFR	RAIGAD	75	S	Private	1997-1999
12	KHOPOLI	1	(3X24)	INDRAYANI	EFR	RAIGAD	72	S	Private	2001-2003
	SUB-TOTAL TPCL	**3**					**297**			
	TOTAL PVT (MAHARASHTRA)	**4**					**331**			
12	**TOTAL MAHARASHTRA**	**12**					**2647**			

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. Balance Capacity

Sl .No.	Name of Project	River	Type	I.C.(MW)	District
1	Wainganga	Wainganga	S	138	Border of Gadchiroli and Chandrapur district
2	Samda	Wainganga	R	45	Border of Gadchiroli and Chandrapur district
3	Kunghara	Wainganga	R	100	Border of Gadchiroli and Chandrapur district
4	Pranhita	Pranhita	S	214	Gadchiroli
4	**Total**			**497**	

Note: R –Run of the River & S- Storage

II. Pumped Storage Projects

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Ghatghar Stage-II	Ahmednagar	125
2	Malshej Ghat	Ahmednagar/ Thane	1200
3	Mutkhel	Ahmednagar	110
4	Warasgaon	Pune/Raigad	1200
5	Bhira	Raigad	150
6	Ghatgar	Thana	250
7	Kengadi	Thane	900
8	Amba	Pune	1500
9	Jalvara	Ratnagiri/Belgaum	2220
10	Koyna Left Bank	Satara	80
11	Varandhghat	Pune	800
12	Panshet	Satara	1600
13	Nive	Pune	1200
14	Kodali	Kolhapur	220
15	Bhavali	Nashik/ Thane	1500
16	Atvan	Pune/raigad	500
17	Koyna St-VI	Satara	400
18	Patgaon	Sindhudurg and Kolhapur	2100
19	Pane	Raigad	1500
20	Tarali	Satara	1500
21	Bhorande	Pune & Thane	1500
22	Aruna	Kolhapur	1500
23	Humbarli Birmani	Satara/ Ratnagiri	1500
24	Shirwata	Pune	1800

25	Bhivpuri	Raigad	1000
26	Warasgaon Warangi	Pune-Raigad	1500
27	Savitri	Raigad and Satara	2400
28	Koyna Nivakane	Satara	2700
29	Nayagaon	Chhatrapati Sambhajinagar	2000
30	Mhaismal	Aurangabad	800
31	Kolhapur	Kolhapur	1200
32	Maval (Saidongar-2)	Pune and Raigarh	1200
33	Saidongar-1	Pune and Raigarh	3000
34	Kamod	Nandurbar	2000
35	Pawana Falyan	Pune & Raigad	2400
36	Ghosla	Aurangabad	2000
37	Kalamb Thakurwadi	Raigad	1000
38	Ambegaon	Ambegaon	500
39	Kalu	Pune & Thane	1800
40	Kumbhe	Raigad	1100
41	Adnadi	Amravati	1500
42	Pen	Raigad	1400
43	Aruna Kolamb	Kolhapur/Ratnagiri	1800
44	Paschim Ghat	Pune-Raigad	5400
45	Pimpalpada-Savale	Raigad & Pune	2100
46	Ranavadi	Pune and Raigad	1200
47	Nanemachi	Pune & Raigarh	1000
48	Shilatne	Nashik	1000
49	Tilari	Kolhapur	240
49	**Total**		**67595**

a. PSP in Operation

S.No.	SCHEMES	Agency	District	River		Sector	I.C. (MW)	Remarks
				Upper Reservoir	Lower Reservoir			
1	Bhira	TATA power	Raigad	Mulla & Neela		Private	150	Year of commissioning- 1927 (125 MW) 1949 (25 MW)
2	Ghatgar	MAHAGENCO	Thane	Pravara		State	250	Year of commissioning-2008
2	**Total**						**400**	

b. PSP Cocnurred and yet to be taken up for construction

S. No.	Scheme	Agency	Sector	River		IC (MW)	Remarks
				Upper Reservoir	Lower Reservoir		
1	Shirwata	TATA power	Private	offstream	existing Shirawata reservoir	1800	Date of Concurrence-07.09.2025
2	Pane	JSW Neo Energy Limited	Private	offstream	connected to a small stream which joins the downstream Kal river	1500	Date of Concurrence-18.09.2025
2	**Total**					**3300**	

c. PSP under S&I

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Sector	Remarks
				Upper Reservoir	Lower Reservoir			
1	Bhorande #	Adani Green Energy Ltd.	Pune & Thane	on Minor nallah draining into Kukadi river	on Minor nallah draining Into Kalu rive	1500	Private	•Under S&I in CEA •Date of MoA/ MoU-28.06.2022
2	Warangi#	Adani Green	Pune-Raigad	on minor nallah draining into Ambi river	on minor nallah draining into Kal river	1500	Private	•Under S&I in CEA •Date of MoA/ MoU- 28.06.2022
3	Nivakane#	Adani Green	Satara	minor rivulet draining into Kera River/ Koyna river	minor rivulet draining into Kera River/ Koyna river	2700	Private	•Under S&I in CEA •Date of MoA/ MoU 28.06.2022
4	Nayagaon	Greenko	Chhatrapati Sambhajinagar	offstream	minor nallah draining into Hivra River	2000	Private	•Under S&I not in CEA •Date of MoA/ MoU 16.01.2023
5	Maval (Saidongar -2)	Torrent Power	Pune & Raigad	offstream	Initial filling by rainfall yield of self-catchment of the lower reservoir only	1200	Private	•Under S&I in CEA •Date of MoA/ MoU 06.06.2023
6	Ghosla	Megha engineering	Aurangabad	offstream	offstream	2000	Private	•Under S&I not in CEA •Date of MoA/ MoU 26.09.2024
7	Savitri	NHPC	Satara-Raigad	upper dam proposed across Koyna River	lower dam proposed across Savitri River	2400	Center	•Under S&I in CEA • Target date ofDPR preparation-09/26 •Date of MOA- 06.06.2023(revised MoU on 03.09.2024)
8	Pawana Falyan	Avaada	Pune-Raigad	offstream	offstream	2400	Private	•Under S&I in CEA •Date of MoA/ MoU-31.07.2024

9	Kalu	NHPC	Pune & Thane	offstream	offstream	1800	Center	•Under S&I in CEA • Target date ofDPR preparation-11/26 •Date of MoA/ MoU 03.09.2024
10	Kumbhe	NTPC	Raigad	across the Nirabai River, a tributary of the Savitri River	across a season nala	1100	Center	•Under S&I in CEA •Date of MoA/ MoU 03.09.2025
11	Malshej Ghat	THDC	Pune & Thane	Off Stream	Off Stream	1200	Center	•Under S&I in CEA •Date of MoA/ MoU 03.09.2024
12	Adnadi	Adani Hydro Energy Ten Limited	Amravati	Off Stream	Off Stream	1500	Private	•Under S&I not in CEA •Date of MoA/ MoU- 15.07.2025
13	Humbarli Birmani	THDC	Satara-Ratnagiri	on small nallah	on small nallah	1500	Center	•Under S&I in CEA •Date of MoA/ MoU- 03.09.2024
14	Aruna Kolamb	THDC	Kolhapur/Ratnagiri	on Minor nallah	on Minor nallah	1800	Center	•Under S&I in CEA •Date of MoA/ MoU- 03.09.2025
15	Paschim Ghat	JSW Energy	Pune-Raigad	Off Stream	on minor nallah	5400	Private	•Under S&I in CEA
16	Aruna	THDC	Kolhapur/Sindhudurg	on Minor nallah	on Minor nallah	1500	Center	•Under S&I in CEA
17	Amba	NTPC	Pune-Raigad	on small nallah	on small nallah	1500	Center	•Under S&I in CEA
18	Pen	Torrent Power Limited	Raigad	offstream	offstream	1400	Private	•Under S&I in CEA
18	**Total**					**34400**		

project name changed from Malshej Ghat Bhorande to Bhorande, koyna nivakane to nivakane, warasgaon warangi to warangi

d. PSP Under Construction

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Sector	Remarks
				Upper Reservoir	Lower Reservoir			
1	Bhivpuri	Tata Power Corporation Ltd	Raigad	Exisiting Thokerwadi reservoir	Off Stream	1000	Private	Likely commissioning by 2028-29 (Feb'29)
2	Bhavali	JSW Energy	Nashik & Thane	Downstream of Bhavali dam	Ulhas river	1500	Private	Likely commissioning by 2028-29(Dec'28)
3	Tarali	Adani Green Energy Ltd.	Satara	Off Stream	existing Tarali reservoir	1500	Private	Likely commissioning by 2029-30(June'29)
4	Karjat(Saidongar-I)	Torrent power	Raigad	Off Stream	Initially filling by rainfalll yield of self catchment of lower reservoir only	3000	Private	Likely commissioning by 2029-30(Dec'29)
4	Total					**7000**		

e. Balance Capacity

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Remarks
				Upper Reservoir	Lower Reservoir		
1	Ghatghar Stage-II	Alloted to JV/SPV of MSPGCL & SJVNL by WRD, Maharashtra	Ahmednagar	Pravara river	Shahi Nalla	125	•PFR Prepared in March-21. •Use of both reservoirs of Ghatghar PSP St.I •Date of MoU between MSPGCL and WRD- 29.04.2025
2	Mutkhel	WRD, Maharashtra	Ahmednagar	Pravara		110	PFR Prepared in May-15
3	Kengadi	Indicated by MoP to NHPC	Thane	Thane	Kengadi river	900	As per email from NHPC dated 13.07.2026 • Revised PFR (900 MW) submitted to Govt. of Maharashtra on 25.02.26. • Addendum to MoU is signed on 22.04.26 in respect of revised coordinates and installed capacity. • Permission for Topographical survey and Geological surface mapping obtained on 08.05.26. • Commercial viability assessment under process. • Concessions (Capital subsidy, SGST wavier or reimbursement of SGST, exemption of Stamp duty on land, exemption of royalty on quarry material etc.) sought from state.
4	Jalvara	Indicated by MoP to SJVNL	Ratnagiri/ Belgaum	Ratnagiri/ Belgaum	Hajatar river	2220	As per SJVN email dated 17.07.2026 : i.SJVN has signed a Memorandum of Understanding (MoU) with Government of Maharashtra on 26.09.2024 for implementation of Project. ii Consent for the signing of the MoU with the Government of Karnataka (GoK) was given by GoK on 11/07/2025, and the draft MoU was shared with GoK on 18/08/2025. iii . Tripartite Agreement /MoU between Govt of Karnataka, the Government of Maharashtra and SJVN shall also be required as it is an interstate project.
5	Varandhghat	WRD, Maharashtra	Pune	Welvandi River	Kharak River	800	Preliminary Investigation Report prepared in Dec 16
6	Panshet	Alloted to JV/SPV of MSPGCL & SJVNL by WRD, Maharashtra	Satara	Mose River	Kal River	1600	•Preliminary Investigation Report Prepared in March-17 •Date of MoU between MSPGCL and WRD- 29.04.2025
7	Nive	WRD, Maharashtra	Pune	Kundalika River	Kundalika River	1200	PFR Prepared in August-2015
8	Kodali	Alloted to JV/SPV of MSPGCL & SJVNL by WRD, Maharashtra	Kolhapur	Kodali River	Kharal River	220	•PFR Prepared in April-2014 •Date of MoU between MSPGCL and WRD- 29.04.2025
9	Atvan	WRD, Maharashtra	Pune/raigad	pawana	uttara	500	PFR prepared
10	Koyna St-VI	WRD, Maharashtra	Satara	Koyna	Koyna	400	Yet to be allotted by the State for development
11	Mhaismal	Greenko Energies Private Limited	Aurangabad			800	•Proposal not yet received in CEA • Agency- Greenko Energy Private Limited •Date of grant of TOR-28.02.2020

12	Kolhapur	Rithwik Projects Private Limited	Kolhapur			1200	•Proposal not yet received in CEA • Agency- Rithwik Projects Privated Limited •Date of grant of TOR-13.06.2023
13	Koyna Left Bank	Alloted to JV/SPV of MSPGCL & Maharashtra Krishna Valley Development Corporation (MKVDC) by WRD, Maharashtra	Satara	Koyna		80	•Project stalled since July, 2015. The current expenditure on the project has already reached to almost original administrative approved cost level. The proposal for execution with various options (By WRD/ Through BOT/ By MSPGCL in collaboration with WRD) is under process.Project is likely to be commissioned 4 years after restart of works •Date of MoU between MSPGCL and WRD- 12.08.2024
14	Warasgaon	Alloted to JV/SPV of MSPGCL & SJVNL by WRD, Maharashtra	Pune/Raigad	Mose river	Kal river	1200	•Date of MoU between MSPGCL and WRD- 29.04.2025
15	Patgaon	Adani Green Energy Ltd.	Sindhudurg and Kolhapur	existing Patgaon reservoir	to be constructed on tributary of Karli river	2100	Adani letter dated 19.01.2024 vide which it was informed that the project elements such as powerhouse and lower reservoir are located in the area marked as Tiger Corridor by National Tiger Corridor Authority. Developer is identifying a new PSP site out side the National Tiger Corridor.
16	Kalamb Thakurwadi	Renew Solar Power Pvt limited	Raigad			1000	Proposal not yet received in CEA Agency-Renew Solar Power Pvt limited Proposal returned in present form
17	Ambegaon	Renew Hydro Power Pvt Ltd.	Ambegaon			500	•Proposal not yet received in CEA •Date of grant of TOR-23.06.2025
18	Pimpalpada-Savale	EDF Power Solutions	Raigad & Pune			2100	•Proposal not yet received in CEA •Date of grant of TOR-31.07.2026
19	Kamod	Megha engineering	nandurbar	Off Stream	Off Stream	2000	Geotechincal investigations could not be commenced at the project site due to significant local resistance . Further, NOC from the state forest department for carrying out geo-technical investigations consumed considerable time.
20	Ranavadi	Novarion Energy Private Limited	Pune and Raigad	Off Stream	Off Stream	1200	•Proposal not yet received in CEA •Date of grant of TOR-16.08.2026
21	Nanemachi	Renew Pvt Ltd	Pune & Raigarh	Off Stream	Off Stream	1000	•Proposal not yet received in CEA
22	Shilatne	Renew Pvt Ltd	Nashik	Off Stream	Off Stream	1000	•Proposal not yet received in CEA
23	Tilari	Shree Tatyasaheb Kore Warana sahakari navshkti nirman sanstha limited	Kolhapur	Off Stream	Off Stream	240	•Proposal not yet received in CEA •Date of grant of TOR-14.09.2026
23	**Total**					**22495**	

Summary of Hydro Power Development in Goa

I. Conventional Projects

	No.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)	*	*

Summary of Hydro Power Development in Andhra Pradesh

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		7	2596
Breakup of Hydro Power Potential (2017-23)			
A	Projects in operation	5	1610
B	Projects under construction	2	1190
C	Balance Capacity	1	26

II. Pumped Storage Projects

		Nos.	Capacity (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		28	35600
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	In operation	1	1680
b	Under Construction	3	2850
c	Under S&I	9	14450
d	Balance Capacity	15	16620

I. Conventional Projects

Details of Exploitable Hydro Power Projects

Sl.No.	Name of Project	River	Type	I.C. (MW)
1	Upper Sileru-I&II (Upper Sileru)	Sileru	S	240
2	Lower Sileru	Sileru	S	460
3	Polavaram	Godavari	S	960
4	Balimela Dam Toe	Sileru	S	26
5	Srisailam	Krishna	S	770
6	Nagarjunasagar RBC & Ext (Nagarjunasagar RBC)	Krishna	S	90
7	Nagarjunasagar TPD	Krishna	R (P)	50
7	**Total**			**2596**

A. H.E. Projects in Operation:

S. No.	Utility/ Stations	No. Of stns.	No. of units x Capacity (MW)	River / Basin*	District	I.C. (MW)	Type (R/S/R(P))	Sector	Year of commissioning
APGENCO									
1	LOWER SILERU	1	(4X115)	SILERU	KHAMMAM	460	S	State	1976-1978
2	NAGARJUNA SGR RBC & EXT.	1	(3X30)	KRISHNA	SATRASALA	90	S	State	1983-90
3	SRISAILAM	1	(7X110)	KRISHNA	MAHABUBNAGAR	770	S	State	1982-1987
4	UPPER SILERU-I&II	1	(4X60)	SILERU	VISHAKAPATNAM	240	S	State	1967-1995
5	NJ SAGAR TPD	1	(2X25)	KRISHNA	GUNTUR	50	R(P)	State	2017
5	**TOTAL**	**5**				**1610**			

* All projects are in EFR Basin

B. H.E. Projects under construction:

Sl. No.	Name of Project	Agency	River/ Basin	District	I. C. (MW)	Type (R/S/R(P))	Sector	Likely Commissioning
1	Polavaram	APGENCO/ Irrigation Dept., A.P	Godavari/ EFR	East & West Godavari	960	S	State	2027-28 (Jan'28)
2	Lower sileru extension	APGENCO	Sileru/EFR	Alluri Sitharamaraju	230	S	State	2026-27 (Oct'26)
2	**Total**				**1190**			

Note :R= Run of River, S=Storage & R(P)= Run of River with Pondage

C. Balance Capacity

Sl.No.	Name of Project	River	Type	I. C. (MW)	District	Remarks
1	Balimela Dam Toe	Sileru	S	26	Malkangri	• The Government of Orissa and Government of Andhra Pradesh agreed in year 1962 that AP will construct a 60 MW Power House at Balimela toe for its own use at its cost, using AP's 50% share of water. Though the Dam is situated in orissa, 100% cost and benefits go to State of A.P. as per the agreement •. This project could not be taken up due to non-issue of NOC by Govt of Odisha for blasting material for power House excavation in spite of lot of correspondence from Govt of AP. • The Govt. of Odisha had informed the Govt. of AP on 08-09-2010 to take up the construction of this project jointly by both APGENCO & OHPC on 50:50 basis. • The correspondence has been done with Govt. of Odisha from year 2013 to till date on the finalization of the clauses of draft modified agreement to be entered by both Govt. of AP & Govt. of Odisha as the implementation of Balimela Dam Toe HE Project would be taken up jointly by both APGENCO & OHPC duly sharing the costs and benefits in 50:50 ratio as per the decisions of Project Administrative committee (PAC) and after signing of modified agreement. • At present, the draft modified agreement is submitted to the Govt. of AP vide dt:07-07-18 for approval. After receiving approval from Govt. of AP, the draft modified agreement will be sent to M/s OHPC for arranging consent of Govt. of Odisha.
1	**Total**			**26**		

Note: R –Run of the River & S- Storage

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Upper Sileru	Alluri Sitharamaraju	1350
2	Kurukutti	Vizianagaram	1200
3	Karrivalasa	Vizianagaram	1000
4	Yerravaram PSP	Vishakhapatnam	1200
5	Pinnapuram	Kurnool	1680
6	Gandikota	Kadapa	1000
7	Chitravathi	Ananthapuramu	500
8	Somasila	Kadapa	900
9	Owk	Kurnool	800
10	Paidipalem East	YSR	1200
11	Singanamala	Ananthapuramu	800
12	Paidipalem North	YSR	1000
13	Veeraballi Off-Stream	Annamayya	1800
14	Vempalli	YSR Kadapa	1500
15	Gujjili	Alluri Sitharama Raju	2400
16	Raiwada	Anakapalle	900
17	Chittamvalasa	Alluri Sitarama Raju	1800
18	Yaganti	Nandyal	1000
19	Kamalapadu	Ananthapuramu	950
20	Aravetipalli	YSR	1320
21	Rayavaram	Annamayya	1500
22	Gadikota	Annamayya	1200
23	Pedakota	Alluri Seetharama Raju	1800
24	Rajupalem	YSR Kadapa	350
25	Yadaballi	Annamayya	1200
26	Koppolu	YSR Kadapa	2400
27	Seshachalam	Tirupati	600

28	Gandikota-2	YSR Kadapa	2250
28	**Total**		**35600**

a. PSP In Operation

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Sector	Commissioning Date
				Upper Reservoir	Lower Reservoir			
1	Pinnapuram	Greenko	Kurnool	Near Gorakallu reservoir in Pannapuram Village Lat 15°36'26" N Long 78°15'13" E	In Pannapuram Village Lat 15°37'26" N Long 78°15'30" E	1680	Private	June 2025 (5 x 240 MW) August 2025(2 x 120 MW) October (1 x 240 MW)
1	**Total**					**1680**		

b. PSP Under Construction

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Sector	Remarks
				Upper Reservoir	Lower Reservoir			
1	Upper Sileru	APGENCO	Alluri Sitharamraju	Guntawada reservoir	Donkarayi reservoir	1350	State	Likely Commissioning by 2028-2029(Feb'29)
2	Chitravathi	Adani green	Ananthapuramu	offstream	offstream	500	Private	Likely Commissioning by 2026-27(Feb'27)
3	Gandikota	Adani Green Energy Ltd.	Kadapa	Off Stream	Gandikota reservoir on Penna River	1000	Private	Likely Commissioning by2028-29 (March 29)
3	**Total**					**2850**		

c. PSP Under S&I

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Sector	Remarks
				Upper Reservoir	Lower Reservoir			
1	Vempalli	JSW Energy	YSR Kadapa	Off Stream	Off Stream	1500	Private	•Under S&I not in CEA •Date of MoA/MoU-25.01.2022
2	Raiwada	Adani Green Energy Ltd.	Anakapalle	on a tabletop hill across a minor rivulet draining into a nallah	across Sarada river	900	Private	•Under S&I not in CEA •Date of MoA/MoU-23.05.2022
3	Kamalapadu	APGENCO	Ananthapuramu	Off Stream	Off Stream	950	State	•Under S&I not in CEA •Date of MoA/MoU- 23.08.2023
4	Rayavaram	APGENCO & ONGC	Annamayya	On minor Stream	On minor Stream	1500		•Under S&I not in CEA •Date of MoA/MoU- 20.11.2024
5	Gadikota	APGENCO	Annamayya	Off Stream	Off Stream	1200	State	•Under S&I not in CEA •Date of MoA/MoU-29.06.2022
6	Pedakota	Adani Green	Alluri Seetharama Raju	on minor stream draining into the Sarada River	on minor stream draining into the Sarada River	1800	Private	•Under S&I not in CEA •Date of MoA/MoU--23.05.2022
7	Gujjili	NECL	Alluri Sitharama Raju	Off Stream	Off Stream	2400	State	•Under S&I not in CEA •Date of MoA/MoU- 07.02.2025
8	Chittamvalasa	NECL	Alluri Sitarama Raju	Off Stream	Off Stream	1800	State	•Under S&I not in CEA •Date of MoA/MoU-07.02.2025

9	Koppolu	Chinta Green Energy	YSR Kadapa	New Reservoir to be developed	Gandikota	2400	Private	•Under S&I in CEA •Target date of DPR preparation-02/27
9	**Total**					**14450**		

d. Balance Capacity

S.No.	SCHEMES	Agency	District	River		I.C. (MW)	Remarks
				Upper Reservoir	Lower Reservoir		
1	Kurukutti	NREDCAP & AGEL	Vizianagaram	Minor nallah draining into Boduru Gedda river	Boduru Gedda river	1200	Cancelled vide G.O. Ms. No. 55 dated 28.07.2025
2	Karrivalasa	NREDCAP & AGEL	Vizianagaram	Minor nallah draining into Boduru Gedda river	Boduru Gedda river	1000	Cancelled vide G.O. Ms. No. 55 dated 28.07.2026
3	Yerravaram PSP	Shirdi Sai Electricals Ltd.	Vishakhapatnam	Nallah/Stream flowing into the Thandava reservoir,	Nallah/Stream flowing into the Thandava reservoir,	1200	Drilling activity will be commenced upon resolving local issues
4	Yaganti	APGENCO	Nandyal	Minor rivulet	Minor rivulet	1000	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
5	Aravetipalli	APSPCL	YSR	Off Stream	Off Stream	1320	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
6	Rajupalem	NREDCAP	YSR Kadapa	offstream	existing Racheruvu dam/reservoir	350	•Proposal not yet received in CEA •Agency-NREDCAP •Under Examination in MOEF
7	Yadaballi	NREDCAP	Annamayya	offstream	offstream	1200	•Proposal not yet received in CEA •Agency-NREDCAP •Proposal returned in present form
8	Owk	Aurobindo Realty & Infrastructure Pvt. Ltd.	Kurnool	Off Stream	Owk reservoir on Penna River	800	•MoA received
9	Paidipalem East	Indosol Solar Power Pvt. Ltd.	YSR	new proposed Off Stream	new proposed draws water Paidipalem Balancing reservoir	1200	Pre DPR Chapters returned due to slow progress in S&I activities vide minutes dated 28.05.25
10	Singanamala	Aurobindo Realty & Infrastructure Pvt. Ltd.	Ananthapuramu	Off Stream	Off Stream	800	Cancelled vide G.O. Ms. No. 55 dated 28.07.2026
11	Paidipalem North	Indosol Solar Power Pvt. Ltd.	YSR	new proposed Off Stream	new proposed draws water Paidipalem Balancing reservoir	1000	Pre DPR Chapters returned due to slow progress in S&I activities vide minutes dated 28.05.25
12	Veeraballi Off-Stream	Astha Green Energy Ventures India PVT. LTD.	Annamayya	Off Stream	Off Stream	1800	
13	Somasila	Shirdi Sai Electricals Ltd.	Kadapa	Off Stream	Off Stream,	900	Pre DPR Chapters returned in the meeting held on 02.06.25 under chairmanship of Chief Engineer due to slow progress in S&I activities.
14	Seshachalam	Venika Jal Vidyuth LLP	Tirupati			600	• ToR Granted • Proposal not received in CEA • Date of Grant of ToR- 27.06.2026
15	Gandiota-2	Adani Hydro Energy Eleven Limited	YSR Kadapa	Off Stream	Existing Gandikota Dam	2250	GoAP vide the Government Order "G.O.MS.No. 39" dated 19-05-2026, has awarded 2250MW Gandikota-2 Pumped Storage Project to Adani Hydro Energy Eleven Limited
15	**Total**					**16620**	

Summary of Hydro Power Development in Telangana

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		8	1302.00
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	6	800
B	Projects returned to project authorities	1	320
C	Balance Capacity*	1	240

*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.

II. Pumped Storage Projects

		Nos.	Capacity (MW)
Exploitable Hydro Power Potential from Pump Storage Projects		23	27855.6
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	In Operation	2	1605.6
b	Under S&I	1	1500.00
c	Balance Capacity	20	24750.00

I. Conventional Projects

Details of Exploitable Hydro Power Projects

Sl.No.	Name of Project	River	Type	I.C. (MW)
1	Pochampad	Godavari	S	36
2	Dummugudem	Godavari	R	262
3	Tupakulagudem	Godavari	S	240
4	Priyadarshini Jurala	Krishna	R (P)	234
5	Lower Jurala	Krishna	R (P)	240
6	Nagarjunasagar (Nagarjunasagar Dam PH)	Krishna	S	110
7	Nagarjunasagar LBC	Krishna	R	60
8	Pulichintala	Krishna	R (P)	120
8	**Total**			**1302**

A. H.E. Projects in Operation:

S. No.	Utility/ Stations	No. of Stns.	No. of units x Capacity (MW)	River / Basin*	District	I.C. (MW)	Type (R/S/R(P))	Sector	Year of commissioning
	TSGENCO								
1	PRIYADARSHNI JURALA	1	(6X39)	KRISHNA	MAHABOOB NAGAR	234	R(P)	State	2008-2011
2	POCHAMPAD	1	(4X9)	GODAVARI	NIZAMABAD	36	S	State	1987-1988, 2010
3	NAGARJUNA SGR	1	(1X110)	KRISHNA	NALGONDA	110	S	State	1978-85
4	NAGARJUNA SGR LBC	1	(2X30)	KRISHNA	GUNTUR	60	R	State	1983
5	LOWER JURALA	1	(6X40)	KRISHNA	WANPARTHY	240	R(P)	State	2015-16
6	PULINCHINTHALA	1	(4X30)	KRISHNA	SURAPETA	120	R(P)	State	2016-17
6	**TOTAL TSGENCO**	**6**				**800**			

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. H.E. Projects Returned to project Authorities:

Sl. No.	Name of Project	Agency	Month of Return	I.C. (MW)	Sector	Reason for Return
1	Dummugudem	APGENCO	Mar-06	320	State	Returned due to non-replying of various comments such as hydro planning, cost of E&M works, hydel civil Engineering, geological aspects etc.
1	**Total**			320		

C. Balance Capacity

Sl.No.	Name of Project	River	District	I.C.(MW)	Type
1	Tupakulagudem	Godavari	Mulugu	240	S

II. Pumped Storage Projects

Exploitable Hydro Power Potential from Pumped Storage Projects

S.No.	Name	District	I.C. (MW)
1	Nagarjuna Sagar	Karnool	705.60
2	Srisailam LBPH	Nalgonda	900
3	Ippagudem	Mulugu	3960
4	Ranapur	Adilabad	900
5	Greenko TS01	Adilabad	750
6	Astha Telangana	Nizamabad	600
7	Cerulean-II	Komarambheem	640
8	Kalluru	Khammam	1500
9	Anjanagiri LIS PSP	Nagarkurnool	400
10	Pavuralagattu PSP	Nalgonda	1150
11	Singabhupalam PSP	Bhadradri Kothagudem	750
12	Loyapalle PSP	Rangareddy	750
13	Duradapadu PSP	Bhadradri Kothagudem	1000
14	Khandala PSP	Adilabad	750
15	Koyabestagudem PSP	Mulugu	3600
16	Nacharam PSP	Khammam	1500
17	Alubaka PSP (Previously Mataram PSP)	Mulugu	2000
18	Mannavaripalle PSP	Nagarkurnool	1200
19	Chalamalu(G) PSP	Mulugu	1200
20	Jhari PSP	Adilabad	950
21	Mailaram PSP	Nizamabad	750
22	Sarkepally PSP	Komaram Bheem Asifabad	900
23	Gobbagurthi PSP	Khammam	1000
23	**Total**		**27855.6**

a. PSP in Operation

S.No.	SCHEMES	Agency	District	River	I.C. (MW)	Sector	Remarks
1	Nagarjuna Sagar	TSGENCO	Karnool	Krishna	705.60	State	Year of commissioning- 1980 (100.8 MW) 1981 (100.8 MW) 1982 (100.8 MW) 1983 (100.8 MW) 1984 (100.8 MW) 1985 (202 MW)
2	Srisailam LBPH	TSGENCO	Nalgonda	Krishna	900	State	Year of commissioning- 2001 (300 MW) 2002 (450 MW) 2003 (150 MW)
2	**Total**				**1605.6**		

b.Under S&I

Sl. No	Name of Project	District	Agency	River		I.C. (MW)	Remarks
				Upper reservoir	Lower Reservoir		

1	Kalluru	Khammam	TGGENCO	Off Stream	Off Stream	1500.00	• Under S&I in CEA • Target date of DPR Preparation - 03/26
1	**TOTAL**					**1500.00**	

c. Balance Capacity

Sl. No	Name of Project	District	Agency	River		I.C. (MW)	Remarks
				Upper reservoir	Lower Reservoir		
1	Ippagudem	Mulugu	Greenko Energies Private Limited			3960.00	•Proposal not yet received in CEA • Agency- Greenko energie Private Limited •Date of grant of TOR-13.07.2020
2	Ranapur	Adilabad	Sri Siddharth Infratech & Services (I) Private Limited			900	•Proposal not yet received in CEA • Agency- Sri Siddharth Infratech & Services (I) Private Limited •Date of grant of TOR-08.12.2022
3	Greenko TS01	Adilabad	Greenko Energies Private Limited			750	•Proposal not yet received in CEA • Agency- Greenko Energies Private Limited •Date of grant of TOR-17.04.2023
4	Astha Telangana	Nizamabad	Astha Green Energy Ventures India Private Limited			600	•Proposal not yet received in CEA • Agency- Astha Green Energy Ventures India Private Limited •Date of grant of TOR-07.06.2023
5	Cerulean-II	Komarambheem	Cerulean Energy Solutions Private Limited			640	•Proposal not yet received in CEA • Agency- Cerulean Energy Solutions Privated Limited •Date of grant of TOR-07.06.2023
6	Anjanagiri LIS PSP	Nagarkurnool	TGGENCO	Off Stream	Off Stream	400	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared
7	Pavuralagattu PSP	Nalgonda	TGGENCO	Off Stream	Off Stream	1150	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared
8	Singabhupalam PSP	Bhadradri Kothagudem	TGGENCO	Off Stream	Off Stream	750	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared

9	Loyapalle PSP	Rangareddy	TGGENCO	Off Stream	Off Stream	750	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared
10	Duradapadu PSP	Bhadradri Kothagudem	TGGENCO	Off Stream	Off Stream	1000	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared
11	Khandala PSP	Adilabad	TGGENCO	Off Stream	Off Stream	750	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared
12	Koyabestagudem PSP	Mulugu	TGGENCO	Off Stream	Off Stream	3600	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared
13	Nacharam PSP	Khammam	TGGENCO	Off Stream	Off Stream	1500	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared
14	Alubaka PSP (Previously Mataram PSP)	Mulugu	TGGENCO	Off Stream	Off Stream	2000	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared and Approval accorded to carryout survey work
15	Mannavaripalle PSP	Nagarkurnool	TGGENCO	Off Stream	Off Stream	1200	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared and DPR consultant appointed
16	Chalamalu(G) PSP	Mulugu	TGGENCO	Off Stream	Off Stream	1200	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared and DPR consultant appointed
17	Jhari PSP	Adilabad	TGGENCO	Off Stream	Off Stream	950	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO , ToR is obtained and DPR is under Progress
18	Mailaram PSP	Nizamabad	TGGENCO	Off Stream	Off Stream	750	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO , ToR is obtained and DPR is under Progress

19	Sarkepally PSP	Komaram Bheem Asifabad	TGGENCO	Off Stream	Off Stream	900	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO , it is proposed to takee up DPR
20	Gobbagurthi PSP	Khammam	TGGENCO	Off Stream	Off Stream	1000	As per email dated 23.07.2026 & letter dated CE/Civil/Hydel&GS/SE/C/HD-II/C&I/F.PSP/D.No.208/2026 from TGGENCO, TCFR is prepared
20	**TOTAL**					**24750.00**	

Summary of Hydro Power Development in Karnataka

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		20	4414.4
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	16	3689.2
B	Projects returned to project authorities	2	665
C	Balance Capacity*	4	747

*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.

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		8	7600
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Under S&I	1	300
b	Under Construction	2	3600
c	Balance	5	3700.00

I. Conventional Projects

Details of Exploitable Hydro Power Projects

Sl.No.	Name of Project	River	Type	I. C. (MW)
1	Almatti	Krishna	S	290
2	Ghatprabha	Ghataprabha	S	32
3	Bhadra (Bhadra Dam PH)	Bhadra	S	39.2
4	Munirabad	Tungbhadra	S	38
5	Hampi	Tungbhadra	S	36
6	T B Dam (Tungabhadra RBC)	Tungbhadra	S	36
7	Shivasamudram	Cauvery	R (P)	42
8	Kalinadi Supa	Kali	S	100
9	Kalinadi (Nagjhari)	Kali	S	855
10	Kodasalli (Kalinadi I (Kadassali))	Kali	S	120
11	Kadra Kalinadi I(Kadra)	Kali	S	150
12	Gangavali St.II (Gangavali (Sonda) St.II)	Gangavali	R	600
13	Linganamakki	Sharavathy	S	55
14	Mahatma Gandhi Jog	Sharavathy	S	139.2
15	Sharavathy (Sharavathi)	Sharavathy	S	1035
16	Gerusoppa (Sharavathy Tail Race)	Sharavathy	R (P)	240
17	Varahi	Varahi	R (P)	460
18	Netravathy	Netravathy	S	41
19	Sirpadi	Netravathy	R	36
20	Kumaradhari	Kumaradhari	S	70
20	**TOTAL**			**4414.4**

A. H.E. Projects in Operation:

S. No.	Utility/ Stations	No. of Stns.	No. Of units x capacity (MW)	River	Basin	District	I.C. (MW)	Type (R/S/R(P))	Sector	Year of commissioning
	KPCL									
1	ALMATTI	1	(5X55) +(1X15)	KRISHNA	EFR	BIJAPUR	290	S	State	2004-2005
2	GERUSOPPA (SHARAVATHY TAIL RACE)	1	(4X60)	SHARAVATHY	WFR	UTTARA KANNADA	240	R(P)	State	2001-2002
3	GHAT PRABHA	1	(2X16)	GHATPRABHA	EFR	BELGAUM	32	S	State	1992
4	MAHATMA GANDHI JOG	1	(4X21.6) +(4X13.2)	SHARAVATHY	WFR	SHIMOGA	139.2	S	State	1949-1952
5	KADRA	1	(3X50)	KALI	WFR	UTTARA KANNADA	150	S	State	1997-1999
6	KALINADI (NAGJHARI)	1	6x 150	KALI	WFR	UTTARA KANNADA	900	S	State	1979-1984
7	KALINADI SUPA	1	(2X50)	KALI	WFR	UTTARA KANNADA	100	S	State	1985
8	KODASALI	1	(3X40)	KALI	WFR	UTTARA KANNADA	120	S	State	1998-1999
9	LINGNAMAKKI	1	(2X27.5)	SHARAVATHY	WFR	SHIMOGA	55	S	State	1979-1980
10	MUNIRABAD	1	(2X9) +(1X10)	TUNGABHADRA	EFR	KOPPAL	28	S	State	1962-1965
11	SHARAVATHY	1	(10X103.5)	SHARAVATHY	WFR	SHIMOGA	1035	S	State	1965-1977
12	SIVASAMUNDRUM	1	(4X6)+(6X3)	CAUVERY	EFR	MANDYA	42	R(P)	State	1922-1934
13	VARAHI	1	(4X115)	VARAHI	WFR	UDUPI	460	R(P)	State	1989-2009
14	BHADRA	1	(2x12)+(1x2)	BHADRA	EFR	CHICKMAGALUR	26	S	State	1965
	TOTAL KPCL	**14**					**3617.2**			
	APGENCO									
15	T B DAM *	1	(4X9)	TUNGABHADRA	EFR	BELLARI	36	S	State	1957-1964
16	HAMPI *	1	(4X9)	TUNGABHADRA	EFR	BELLARI	36	S	State	1958-1964
	SUB-TOTAL APGENCO	**2**					**72**			
16	**TOTAL KARNATAKA**	**16**					**3689.2**			

***** Utilities are in Andhra Pradesh

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. Hydro Projects Returned to Project Authorities for re-submission after compliance of observations:

Sl. No.	Name of Project	Agency	I.C. (MW)	Sector	Reason of Return
1	Sivasamudram	KPCL	345	State	Presentation meeting held on 16.5.2012 as it involves interstate issues; DPR could not be processed and returned the same for resubmission after resolution of interstate aspects.
2	Mahadayi	KPCL	320	State	Returned due to non-tie up of inputs/clearances, the project involves interstate aspects.
2	**Total**		**665**		

C. Balance Capacity

Sl.No.	Name of Project	District	I.C. (MW)	Type	River
1	Netravathy	Dakshina Kannada	41	S	Netravathy
2	Sirpadi	Dakshina Kannada	36	R	Netravathy
3	Kumaradhari	Dakshina Kannada	70	S	Kumaradhari
4	Gangavali St.II (Gangavali (Sonda) St.II)	Uttara Kannada	600	R	Gangavali
4	**Total**		**747**		

Note: R –Run of the River & S- Storage

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	District	I.C. (MW)
1	Varahi	Dakshina Kannada	1500
2	Sharavathy	Shimoga & Uttara Kannada	2000
3	Saundatti	Belgavi	1600
4	Netravathy Stage I	Hasan	1500
5	Narihalla	Bellary	300
6	Shanti sagar	Davanagere	270
7	Vijayanagar	Bellary	130
8	Sankanoor	Kalaburagi	300
8	**TOTAL**		**7600**

a. PSP Under S&I

Sl. No	Name of Project	District	Agency	River		I.C. (MW)	Sector	Remarks
				Upper reservoir	Lower Reservoir			
1	Narihalla	Bellary	JSW Energy	Upper Reservoir is proposed on minor rivulet draining into Narihalla Reservoir	Lower Reservoir- Narihalla Reservoir existing on Narihalla River	300	Private	•Under S&I in CEA • Target date of DPR preparation- 06/26 •Date of MoA/MoU-28.11.2022
1	**TOTAL**					**300.00**		

b. PSP Under Construction

Sl. No	Name of Project	District	Agency	River		I.C. (MW)	Sector	Remarks
				Upper reservoir	Lower Reservoir			
1	Sharavathy	Shivamonga	KPCL	Upper Reservoir is on Existing Talakalale reservoir	Lower Reservoir is on Existing Gerusappa reservoir	2000.00	State	Likely Commissioninig by 2032-33 (May'32)
2	Saundatti	Belgavi	Greenko	Upper Reservoir is proposed Off Stream	off stream	1600	Private	Likely Commissioninig by 2027-28 (Dec'27)
2	**TOTAL**					**3600.00**		

c. Balance Capacity

Sl. No	Name of Project	District	Agency	River		I.C. (MW)	Remarks
				Upper reservoir	Lower Reservoir		
1	Varahi	Dakshina Kannada	Govt. of Karnataka allotted to KPCL	Varahi		1500.00	Initially Indicated by MoP to SJVNL Goverment of karnataka has alloted varahi PSP to KPCL and KPCL has already prepared PFR with IC of 1500 MW
2	Netravathy Stage I	Hasan	Yet to be allotted by the State for development	Kaginahare	Kemphole	1500	As per NTPC letter & email dated 16.07.2026,the PSP is not allocated to NTPC by State Govt.
3	Shanti Sagar	Davanagere	Cerulean Energy Solutions Private Limited			270	•Proposal not yet received in CEA • Agency- Cerulean Energy Solutions Privated Limited •Date of grant of TOR-17.01.2020
4	Vijayanagar	Bellary	JSW Renewable Energy (Vijayanagar) Limited			130	•Proposal not yet received in CEA • Agency- JSW Renewable Energy (Vijayanagar) Limited •Date of grant of TOR-03.06.2022
5	Sankanoor	Kalaburagi	Cerulean Energy Solutions Private Limited			300	•Proposal not yet received in CEA • Agency- Cerulean Energy Solutions Privated Limited •Date of grant of TOR-07.08.2023
5	**TOTAL**					**3700.00**	

Summary of Hydro Power Development in Kerala

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		23	2472.75
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	16	2008.15
B	Projects under construction	1	40
C	Projects under S&I	1	800
D	Balance Capacity*	6	419

*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.

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		**5**	**2800**
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Balance	**5**	**2800**

I. Conventional Projects

Details of Exploitable Hydro Power Projects

Sl.No.	Name of Project	River	Type	I.C. (MW)
1	Kuttiyadi (Kuttiyadi)	Kuttiyadi	S	75
2	Kuttiyadi Extension (Kuttiyadi)	Kuttiyadi	S	50
3	Kuttiyadi Addl. Extension (Kuttiyadi)	Kuttiyadi	S	100
4	Chalipuzha	Baypore	S	80
5	Idukki (Idukki I&II & Idukki III)	Periyar	S	780
6	Lower Periyar	Periyar	R(P)	180
7	Pallivasal (Pallivasal Replacement)	Muthirapuzha	S	37.5
8	Pallivasal Extension	Muthripuzha	R	60
9	Thottiyar	Thottiyar	R	40
10	Sengulam	Periyar (Muthripuzha)	S	51.2
11	Panniar	Panniar	S	32.4
12	Neriamangalam	Muthripuzha	S	52.65
13	Manali	Idamalayar	S	26
14	Kudal	Idamalayar	S	56
15	Idamalayar	Idamalyar	S	75
16	Sholaiyar	Sholayar	S	54
17	Poringalkuthu (Proringalkuthu (L.B.))	Chalakudy	S	36
18	Athirapilly (Adirapally)	Chalakudy	R	163
19	Sabarigiri	Pamba	S	340
20	Kakkad	Pamba	R (P)	50
21	Lower Sabarigiri	Pamba	S	68
22	Twin-Kallar (Twin Kallar Multipurpose)	Achankovil	S	26
23	Mankulam	Velacherry Ar	S	40
23	**Total**			**2472.75**

A.Hydro Electric Projects in Operation:

S. No.	Utility/Stations	I.C. (MW)	No. of units x Capacity (MW)	River	District	Type (R/S/R(P))	Sector	Year of commissioning
	KSEB							
1	IDAMALAYAR	75	(2X37.5)	IDAMALAYAR	ERNAKULAM	S	State	1987
2	IDUKKI	780	(6X130)	PERIYAR	IDUKKI	S	State	1976-1986
3	KAKKAD	50	(2X25)	PAMBA	PATHANAMTHITTA	R(P)	State	1999
4	KUTTIYADI	75	(3X25)	KUTTIYADI	KOZHIKODE	S	State	1972
5	KUTTIYADI EXTN.	50	(1X50)	KUTTIYADI	KOZHIKODE	S	State	2001
6	KUTTIYADI ADDN EXTN	100	(2X50)	KUTTIYADI	KOZHIKODE	S	State	2010
7	LOWER PERIYAR	180	(3X60)	PERIYAR	IDUKKI	R(P)	State	1997
8	NERIAMANGLAM	52.65	(3X17.55)	MUTHIRAPUZHA	IDUKKI	S	State	1961-63
9	PALLIVASAL	37.5	(3X5) +(3X7.5)	MUTHIRAPUZHA	IDUKKI	S	State	1948-2001
10	PANNIAR	30	(2X15)	PANNIAR	IDUKKI	S	State	1963-2001
11	PORINGALKUTTU	36	(4X9)	CHALAKUDY	COIMBATORE	S	State	1957-1960
12	SABARIGIRI	340	(4 x 55 +2 x 60)	PAMBA	PATHANAMTHITTA	S	State	1960-1967
13	SENGULAM	48	(4X12)	MUTHIRAPUZHA	IDUKKI	S	State	1954-2001
14	SHOLAYAR	54	(3X18)	SHOLAYAR	COIMBATORE	S	State	1956-1968
15	THOTTIYAR	40	3x10+1x10	THOTTIYAR	IDUKKI	R(P)	State	2024
16	Pallivasal Extension	60	(2x30)	Mudirapuzha	IDUKKI	S	State	2024 (60 MW)
16	**TOTAL**	**2008.15**						

B. H.E. Schemes under Construction:

Sl. No.	Name of Project	I.C. (MW)	Type (R/S/R(P))	River	District	Agency	Sector	Likely Commissioning
1	Mankulam	40	S	Melachery	Idukki	KSEB	State	2027-28 (Nov'27)
1	**Total**	**40**						

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

D. Projects Under S&I

Sl. No.	Name of Project	River	I.C. (MW)	District	Type	Remarks
1	Idukki Extension Scheme	Periyar	800	Idukki	S	Under S&I not in CEA
1	**TOTAL**		**800**			

E. Balance Capacity

Sl. No.	Name of Project	River	I.C. (MW)	District	Type	Remarks
1	Chalipuzha	Baypore	80	Wayanad	S	
2	Manali	Idamlayar	26	Idukki	S	
3	Kudal	Idamlayar	56	Ernakulam	S	
4	Lower Sabarigiri	Pamba	68	Pathanamthitta	S	
5	Twin-Kallar	Achankovil/Kallar	26	Pathanamthitta	S	
6	Athirapilly	Chalakudy	163	Thrissur	R	
6	**Total**		**419**			

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	District	I.C. (MW)
1	Idukki	Idukki	700
2	Pallivasal	Idukki	600
3	Kakkayam		1000
4	Mudirapuzha		100
5	Poringalkuth		400
5	**TOTAL**		**2800**

a. Balance Capacity

Sl. No	Name of Project	River	I.C. (MW)	Agency	District	Remarks
1	Idukki	Exisiting Kulamavu Dam of Idukki/ Proposed in Nachar tributary of Thodupuzha river	700	KSEB	Idukki	Indicated by MoP to THDCIL As per email from THDC dated 10.07.2026:- Memorandum of Understanding (MoU) was signed with KSEBL on 24.01.23 for preparation of PFRs of 02 PSPs. PFR for Idukki PSP (700 MW) prepared and submitted to KSEBL. KSEBL decided to develop Idukki and Pallivasal PSP by themselves As per KSEB letter dated 21.07.2026 received via email dated 22.07.2026 :- Idukki PSP is currently under study for capacity enhancement , after which action wil be initiated for inviting the Request for Proposal (RFP) for DPR preparation
2	Pallivasal	Mudirapuzha	600	KSEB	Idukki	Indicated by MoP to THDCIL As per email from THDC dated 10.07.2026:- Memorandum of Understanding (MoU) was signed with KSEBL on 24.01.23 for preparation of PFRs of 02 PSPs. PFR for Idukki PSP (700 MW) prepared and submitted to KSEBL. KSEBL decided to develop Idukki and Pallivasal PSP by themselves As per KSEB letter dated 21.07.2026 received via email dated 22.07.2026 :- Pallivassal PSP has not been prioritised due to requirment for constructing two large dams, approximatley 82 m and 73m high, across Mudirapuzha River, a tributary of Periyar River at foothill of Munnar Plateau. The are had posed significant geological challenges during the implementation of Pallivasal Extension scheme (60 MW) , making the development of the proposed PSP comparatilvely more challeneging
3	Kakkayam	Upper reservoir- Existing Lower Reservoir- Existing	1000	KSEB		As per KSEB letter dated 21.07.2026 received via email dated 22.07.2026 :- DPR Preparation work awarded to Tata Consulting Engineer(TCE), PFR under Preparation Considering the availability of both the upper and lower reservoirs, minimal forest involvement, and the peak power shortage in northern Kerala, KSEBL accorded the highest priority to the Kakkayam Pumped Storage Project and entrusted M/s Tata Consulting Engineers Ltd., Bengaluru, with the preparation of the PFR and DPR through the Quality and Cost Based Selection (QCBS) bidding process
4	Mudirapuzha	Upper reservoir- Existing Lower Reservoir-Off stream	100	KSEB		As per KSEB letter dated 21.07.2026 received via email dated 22.07.2026 :- DPR preparation progressing inhouse. Topographical survey completed. Geotechnical investigation progressing. Although the installed capacity of the Mudirapuzha PSP is relatively small, it offers several inherent advantages, including existing upper reservoir, no requirement for forest land, easiness in land acquisition and the ability to serve as a redundant hydro power station for the Panniar Hydroelectric Project (32MW), which was commissioned in 1963.
5	Poringalkuth	Upper reservoir- Existing Lower Reservoir-Off stream	400	KSEB		As per KSEB letter dated 21.07.2026 received via email dated 22.07.2026 :- Inception level studies progressing. Thereafter, RFP will be invited for DPR preparation
5	**TOTAL**		**2800.00**			

Summary of Hydro Power Development in Tamil Nadu

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		26	1785.20
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects In Operation	26	1803.2

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		22	23900
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	In Operation	1	400
b	Under Construction	1	500
c	Under S&I	1	1000.00
d	Balance Capacity	19	22000

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	I.C. (MW)
1	Aliyar (Upper Aliyar)	Bharatapuzha/Aliyar	S	60
2	Sarkarpathy (Sarkarpathi)	Parabikulam	R (P)	30
3	Sholayar I	Sholayar	S	70
4	Periyar (Periyar Lake)	Periyar	S	168
5	Kodayar I	Kodayar	S	60
6	Kodayar II	Kodayar	S	40
7	Kundah-I (Avalaanche Em'ld(Kundah-I))	Avalanche Stream	S	60
8	Bhavani Kattalai Barrage -I	Cauvery	R (P)	30
9	Bhavani Kattalai Barrage -II	Cauvery	R (P)	30
10	Bhavani Kattalai Barrage -III	Cauvery	R (P)	30
11	Kundah-II (Kundapallam (Kundah-II))	Kundah	S	175
12	Lower Mettur-I (Lower Mettur)	Cauvery	R (P)	30
13	Lower Mettur-II (Lower Mettur)	Cauvery	R (P)	30
14	Lower Mettur-III (Lower Mettur)	Cauvery	R (P)	30
15	Lower Mettur-IV (Lower Mettur)	Cauvery	R (P)	30
16	Mettur Dam	Cauvery	S	50
17	Mettur Tunnel	Cauvery	S	200
18	Moyar	Moyar	S	36
19	Parson's valley	Bhavani	S	30
20	Kundah-III (Pengumbahalla (Kundah-III))	Pegumbahallah	S	180
21	Kundah-IV	Bhavani	S	100
22	Pykara (Pykara (Singara))	Pykara	S	59.2
23	Pykara Ultimate	Pykara	S	150
24	Kundah-V	Bhavani	S	40
25	Papanasam	Thamirabarani	S	32
26	Suruliyar	Ervalangar	S	35
26	**Total**			**1785.2**

A. H.E. Projects in Operation:

S. No.	Utility/ Stations	No. Of stns.	No. of units x Capacity (MW)	River	Basin	District	I.C. (MW)	Type (R/S/R(P))	Sector	Year of commissioning
	TANGEDCO									
1	ALIYAR	1	(1X60)	Aliyar	WFR	COIMBATORE	60	S	State	1970
2	BHAVANI KATTALAI BARRAGE-I	1	(2X15)	CAUVERY	EFR	ERODE	30	R(P)	State	2006
3	BHAVANI KATTALAI BARRAGE-II	1	(2X15)	CAUVERY	EFR	ERODE	30	R(P)	State	2013
4	BHAVANI KATTALAI BARRAGE-III	1	(2X15)	CAUVERY	EFR	ERODE	30	R(P)	State	2012
5	KODAYAR-I	1	(1X60)	KODAYAR	WFR	KANYAKUMARI	60	S	State	1970
6	KODAYAR-II	1	(1X40)	KODAYAR	WFR	KANYAKUMARI	40	S	State	1971
7	KUNDAH-I	1	(3X20)	AVLANCHE STREAM	EFR	NILGRIS	60	S	State	1960-1964
8	KUNDAH-II	1	(5X35)	KUNDAH	EFR	NILGRIS	175	S	State	1960-1965
9	KUNDAH-III	1	(3X60)	PENGUNBAHALLAH	EFR	COIMBATORE	180	S	State	1965-1978
10	KUNDAH-IV	1	(2X50)	BHAVANI	EFR	COIMBATORE	100	S	State	1966-1978
11	KUNDAH-V	1	(2X20)	BHAVANI	EFR	NILGRIS	40	S	State	1964-1988
12	LOWER METTUR-I	1	(2X15)	CAUVERY	EFR	SALEM	30	R(P)	State	1988
13	LOWER METTUR-II	1	(2X15)	CAUVERY	EFR	SALEM	30	R(P)	State	1988
14	LOWER METTUR-III	1	(2X15)	CAUVERY	EFR	SALEM	30	R(P)	State	1987-1988
15	LOWER METTUR-IV	1	(2X15)	CAUVERY	EFR	SALEM	30	R(P)	State	1988-1999
16	METTUR DAM	1	(4X12.5)	CAUVERY	EFR	SALEM	50	S	State	1937-1946
17	METTUR TUNNEL	1	(4X50)	CAUVERY	EFR	SALEM	200	S	State	1965-1966
18	MOYAR	1	(1 x 12 + 2 x 14)	MOYAR	EFR	NILGRIS	40	S	State	1952-1953
19	PAPANASAM	1	(4X8)	THAMBRAPARANI	EFR	TIRUNELVELI	32	S	State	1944-1951
20	PARSON`S VALLEY	1	(1X30)	BHAVANI	EFR	NILGIRIS	30	S	State	2000
21	PERIYAR	1	(4X42)	PERIYAR	WFR	IDUKKI	168	S	State	1958-1965
22	PYKARA	1	(3X7)+ (2X13.6)+ (1X11)	PYKARA	EFR	NILGRIS	59.2	S	State	1932-2005
23	PYKARA ULTMATE	1	(3X50)	PYKARA	EFR	NILGRIS	150	S	State	2005
24	SARKARPATHY	1	(1X30)	PARABIKULAM	WFR	KOZHIKODE	30	R(P)	State	1966
25	SHOLAYAR I	1	(2X42)	SHOLAYAR	WFR	COIMBATORE	84	S	State	1971
26	SURULIYAR	1	(1X35)	ERAVANGALAR	EFR	TIRUNELVELI	35	S	State	1978
26	**TOTAL**	**26**					**1803.2**			

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	I.C. (MW)	District
1	Sillahalla St.-I	1000	Nilgiri
2	Kundah Pumped Storage (Stage I,II,III&IV)	500	Nilgiri
3	Kadamparai	400	Coimbatore
4	Kodayar	1500	Kanyakumari
5	Sandynalla	1200	Nilgiris
6	Upper Bhavani	1000	Nilgiris
7	Sigur	800	Nilgiris
8	Manalar	1200	Theni
9	Chattar	1100	kanyakumari
10	Karayar	1000	Tirunelveli District
11	Aliyar	2400	Coimbatore
12	Palar-Porathalar	1100	Dindigul
13	Athur	300	Dindigul
14	Manjalar	500	Theni
15	Mettur	1000	Erode
16	Velimalai	1000	Kanyakumari
17	Sillahalla Stage-II	1000	Nilgiris & Coimbtore
18	Greenko TN01	1200	Tirupathur
19	Arunachalam	900	Dharamapuri and Tiruvannamalai
20	Tiruvannamalai	2000	Tiruvannamalai
21	Greenko TN-11	1000	Salem
22	Alleri	1800	Vellore
22	**TOTAL**	**23900**	

a. PSP In Operation

Sl. No	Name of Project	River	I.C. (MW)	Agency	District	Sector	Remarks
1	Kadamparai	Kadamapari	400	TANGEDCO	Coimbatore	State	Year of commissioning- 1987 (100 MW) 1988 (200 MW) 1989 (100 MW)
1	**TOTAL**		**400**				

b. PSP Under S&I

Sl. No	Name of Project	District	Agency	River		I.C. (MW)	Sector	Remarks
				Upper reservoir	Lower Reservoir			
1	Upper Bhavani	Nilgiris	NTECL	Upper Bhavani	Avalanche Emerald	1000		•Under S&I in CEA •Target Date of DPR preparation 06/26 • Date of MoA -
1	**TOTAL**					**1000.00**		

c. PSP Under Construction

Sl. No	Name of Project	River	I.C. (MW)	Agency	Sector	District	Remarks
1	Kundah Pumped Storage	Bhawani	500	TANGEDCO	State	Nilgiri	Likely Commissioning by 2026-27 (Feb'27)
1	**TOTAL**		**500**				

d. Balance Capacity

Sl. No	Name of Project	River		I.C. (MW)	Agency	District	Remarks
		Upper Reservoir	Lower Reservoir				
1	Sandynalla	Kundah	Kundah	1200	TNGECL (Also Indicated by MoP to NTPC)	Nilgiris	As per NTPC letter & email dated 16.07.2026,the PSP is not allocated to NTPC by State Govt.
2	Sigur	Sigur	Sigur	800	TNGECL (Also Indicated by MoP to NTPC)	Nilgiris	As per NTPC letter & email dated 16.07.2026,the PSP is not allocated to NTPC by State Govt.
3	Manalar	Existing Manalar Reservoir	Proposed	1200	TNGECL	Theni	As per email dated 01.09.2026 on the subject Draft Notification on Western Ghats , based on TNGECL inputs the developer column has been updated from TANGEDCO to TNGECL
4	Chattar	Chattar Nallah	Kodayar	1100	TNGECL	Kanyakumari	As per email dated 01.09.2026 on the subject Draft Notification on Western Ghats , based on TNGECL inputs the developer column has been updated from TANGEDCO to TNGECL
5	Karayar	Manpidi Ar	Thamirabarani	1000	TNGECL	Tirunelveli District	As per email dated 01.09.2026 on the subject Draft Notification on Western Ghats , based on TNGECL inputs the developer column has been updated from TANGEDCO to TNGECL
6	Aliyar	Aliyar River		2400	TNGECL	Coimbatore	As per email dated 01.09.2026 on the subject Draft Notification on Western Ghats , based on TNGECL inputs IC of Aliyar PSP is 2400 MW
7	Palar-Porathalar	Poranthalar	Palar & Poranthalar	1100	TNGECL	Dindigul	As per email dated 01.09.2026 on the subject Draft Notification on Western Ghats , based on TNGECL inputs the developer column has been updated from TANGEDCO to TNGECL
8	Athur	Kodaganar	Kodaganar	300	TNGECL	Dindigul	As per email dated 01.09.2026 on the subject Draft Notification on Western Ghats , based on TNGECL inputs the developer column has been updated from TANGEDCO to TNGECL
9	Manjalar	Iruttar River	Manjalar	500	TNGECL	Theni	As per email dated 01.09.2026 on the
10	Mettur	Palar	Periya Pallam	1000	TNGECL	Erode	As per email dated 01.09.2026 on the subject Draft Notification on Western Ghats , based on TNGECL inputs the developer column has been updated
11	Velimalai	Palayar / Pazhayar	Valliyar	1000	Tamil Nadu Green Energy Corporation Limited	Kanyakumari	•TOR Granted •Proposal not yet received in CEA •Date of grant of TOR-09.03.2026
12	Sillahalla Stage-II	New Reservoir Lat 11°16'47.79" N Long 76°47'51.85" E	Bhavani	1000	TNGECL (Also Indicated by MoP to NTPC)	Nilgiris & Coimbtore	As per NTPC letter & email dated 16.07.2026,the PSP is not allocated to NTPC by State Govt.
13	Greenko TN01			1200	Greenko Energies Private Limited	Tirupathar	•Proposal not yet received in CEA • Agency- Greenko Energy Private Limited •Date of grant of TOR-07.06.2023
14	Arunachalam			900	Volthills Private Limited	Dharamapuri and tiruvannamalai	•Proposal not yet received in CEA • Agency- Volthills Private Limited •Date of grant of TOR-07.08.2023
15	Kodayar	Kodayar reservoir-existing	PWD's Pechiparai reservoir-existing	1500	TNGECL	Kanyakumari	•Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer As per email dated 01.09.2026 on the subject Draft Notification on Western
16	Sillahalla St.-I	on Sillahalla river	on Kundha river	1000	TNGECL	Nilgiris	•Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer As per email dated 01.09.2026 on the
17	Tiruvannamalai	Off Stream Close Loop		2000	Eco Leap Technologies India Pvt Ltd	Tiruvannamalai	Proposal yet to be received in CEA. Date of grant of ToR: 21.10.2024
18	Greenko TN-11	Off Stream Close Loop		1000	Greenko Energies Private Limited	Salem	Proposal yet to be received in CEA. Date of grant of ToR: 21.10.2024
19	Alleri	Off Stream Closed Loop		1800	Adani Hydro Energy Fourteen Limited	Vellore	Date of MoU-25.11.2025
19	**TOTAL**			**22000**			

Summary of Hydro Power Development in Jharkhand

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		4	300
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	3	210
B	Balance Capacity	1	90

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		1	1500
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Balance Capacity	1	1500

I. Conventional Projects

Details of Exploitable Hydro Power Projects

Sl.No.	Name of Project	River	Type	I. C. (MW)
1	Subernarekha-I	Subernarekha	S	65
2	Subernarekha-II	Subernarekha	R(P)	65
3	Lower Sankh	Sankh	S	90
4	Panchet (Panchet Hill)	Damodar	S	80
4	**TOTAL**			**300**

A. H.E. Projects in Operation:

S. NO.	UTILITY / STATIONS	RIVER	Type (R/S/R(P))	I.C. (MW)	DISTRICT	Sector	YEAR OF COMMISSIONING
	DVC						
1	PANCHET	DAMODAR	S	**80**	DHANBAD	Central	**1990**
	SUB-TOTAL DVC			**80**			
	JUUNL						
1	SUBERNREKHA -I	SUBERNAREKHA	S	**65**	RANCHI	State	**1977**
2	SUBERNREKHA -II	SUBERNAREKHA	R(P)	**65**	RANCHI	State	**1980**
	TOTAL JUUNL			**130**			
3	**TOTAL JHARKHAND**			**210**			

B. Balance Capacity

Sl. No.	Name of Project	River	Type	I.C. (MW)	District
1	Lower Sankh	Sankh	S	90	Simdega
1	**Total**			**90**	

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	I.C. (MW)	District
1	Lugupahar	1500	Bokaro
1	**TOTAL**	**1500**	

a. Balance capacity

Sl. No	Name of Project	River		I.C. (MW)	District		Remarks
		Upper Reservoir	Lower Reservoir				
1	Lugupahar	Kairo Jharna Nala	across Bokaro River	1500	Bokaro		• As per email dated 09.07.2026 received from DVC: •Site survey is on hold since 10.09.2023 due to stiff resistance of local villagers as the PSP site is located near Lugubaba mandir the "Dharmik Guru" of tribals. •Chief Secretary, Jharkhand vide letter dtd. 28.08.2024 addressed to Joint Secretary Thermal, MoP, GoI has requested to post pone the project considering local villagers religious sentiment and traditional culture.
1	**TOTAL**			**1500**			

Summary of Hydro Power Development in Bihar

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		1	130.1
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects returned to project authorities	1	130.1

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.No.	Name	River	IC	Type
1	Dagmara	Kosi	130.1	R
1	**Total**		**130.1**	

A. H.E. Projects Returned to Project Authorities for re-submission after compliance of observations:

Sl.No	Name of Project	River	I.C. (MW)	Date of returned	Remarks
1	Dagmara	Kosi	130.1	22-Jan	Hydroelectric Project was received in CEA in June 2021; however, the same was returned in January 2022 due to very high tariff.
	Total		**130.1**		

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		5	4880
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Under S&I	1	1200
b	Balance Capacity	4	3680

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projects

Sl. No.	Name of project	I.C. (MW)	District
1	Bihar new PSP 1	910	Nawada
2	Bihar new PSP 2	920	Nawada
3	Bihar new PSP 3	650	Nawada
4	Gosaintari	1200	Nawada
5	Grrenko BR-01	1200	Nawada
5	**TOTAL**	**4880**	

a. Under Survey & Investigation

Sl. No.	Name of Project	Agency	River		I.C. (MW)	Sector	Remarks
			Upper Reservoir	Lower Reservoir			
1	Gosaintari	Sun Petrochemicals	Off Stream	Off Stream	1200	Private	•Under S&I in CEA
1	**TOTAL**				**1200**		

b. Balance Capacity

S.No.	SCHEMES	Agency	River		District	I.C. (MW)	Remarks
			Upper Reservoir	Lower Reservoir			
1	Bihar new PSP 1	Sun Petrochemicals pvt Ltd	Off Stream	Off Stream	Nawada	910	Date of MoU- 19.12.2024
2	Bihar new PSP 2	Sun Petrochemicals pvt Ltd	Off Stream	Off Stream	Nawada	920	Date of MoU- 19.12.2024
3	Bihar new PSP 3	Sun Petrochemicals pvt Ltd	Off Stream	Off Stream	Nawada	650	Date of MoU- 19.12.2024
4	Greenko BR-01	Greenko BR-01 IREP Pvt Ltd	Off Stream	Off Stream	Nawada	1200	•TOR Granted •Proposal not yet received in CEA •Date of grant of TOR- 22.05.2026
4	**Total**					**3680**	

Summary of Hydro Power Development in Odisha

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		13	2824.50
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects In Operation	7	2154.55
B	Balance Capacity*	6	677

*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.

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		53	41525
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Concurred and yet to be taken up for construction	1	600
b	Under S&I	5	3450
c	Balance Capacity	47	37475

I. Conventional Projects

Details of Exploitable Hydro Power Projects

Sl.No.	Name of Project	River	Type	I.C. (MW)
1	Bhimkund	Baitarni	S	30
2	Baljori	Baitarni	S	230
3	Lodani	Brahmani	S	64
4	Rengali	Brahmani	S	250
5	Tikarpara	Mahanadi	S	220
6	Hirakud (Burla) (Hirakud-I)	Mahanadi	S	275.5
7	Hirakud (Chiplima) (Hirakud-II)	Mahanadi	R (P)	72
8	Salki	Salki	S	70
9	Kharag	Kharag	R	63
10	Upper Indravati	Indravati	S	600
11	Upper Kolab	Kolab	S	320
12	Machkund	Machkund	S	120
13	Balimela	Sileru	S	510
13	**Total**			**2824.5**

A. H.E. Projects in Operation:

S. NO.	UTILITY/ STATIONS	NO. OF STNS.	NO. OF UNITS X CAPACITY (MW)	RIVER	DISTRICT	I.C. (MW)	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
	OHPC								
1	BALIMELA	1	(6X60)+ (2X75)	SILERU	MALKANGIRI	510	S	State	1973-1977, 2008
2	HIRAKUD (BURLA)	1	(2X43.65)+ (1X37.5)+(2X49.5) +(2X32)	MAHANADI	SAMBALPUR	287.8	S	State	1956-1990
3	HIRAKUD (CHIPLIMA)	1	(3X24)	MAHANADI	SAMBALPUR	72	R(P)	State	1962-1964
4	RENGALI	1	(5X50)	BRAHMANI	ANGUL	250	S	State	1985-1992
5	UPPER INDRAVATI	1	(4X150)	INDRAVATI	KALAHANDI	600	S	State	1999-2001
6	UPPER KOLAB	1	(4X80)	KOLAB	KORAPUT	320	S	State	1988-1993
	TOTAL OHPC	**6**				**2039.8**			
	APGENCO								
1	MACHKUND	1	(3X17)+ (3X21.25)	MACHKUND	KORAPUT	114.75	S	State	1959
	SUB-TOTAL APGENCO	**1**							
7	**TOTAL ODISHA**	**7**				**2154.55**			

Note: Hirakud (Burla & Chiplima) and Rengali are in CIR basin & others are in EFR Basin.

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C. (MW)	District	Remarks
1	Bhimkund	Baitarni	S	30	Keonjhar	
2	Baljori	Baitarni	S	230	Keonjhar	
3	Lodani	Brahmani	S	64	Sundergarh	
4	Tikkarpara	Mahanadi	S	220	Angul	
5	Salki	Salki	S	70	Boudh	•Initially alloted to OHPCL • Project was shifted to
6	Kharag	Kharag	R	63	Kandhmal	•Initially alloted to OHPCL • Project was shifted to
6	**Total**			**677**		

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	I.C. (MW)	District
1	Upper Indravati	600	Kalahandi
2	Balimela	500	Malkangiri
3	Upper Kolab	600	Malkangiri
4	Greenko OD01	1200	Kalahandi
5	Ramial Left	1500	Keonjhar
6	Tainsar	675	Deogarh
7	Masinta	1000	Deogarh
8	Saruali	840	Deogarh
9	Dandadhar	900	Keonjhar
10	Deo Dam	150	Mayurbhanj
11	Telengiri	650	Koraput
12	RET Dam	450	Kalahandi
13	Brahmani River Stream	450	Sundargarh
14	Salandi Reservoir	300	Keonjhar
15	Ghodahada	250	Ganjam
16	Patora Dam	350	Nuapada
17	Harbhangi	300	Gajapati
18	Badanalla Stream	600	Rayagada
19	Koldihi	640	Deoghar
20	Khunta	1000	Mayurbhanj
21	Madhapur	1000	Baudha
22	Tumudibandh	3000	Kandhamal
23	Ambapani	1000	Kalahandi
24	Kamalakheta	800	Gajapati
25	Lakaisuni	920	Gajapati
26	Prahadipanga	2300	Kandhamal
27	Panabari	720	Nayagarh
28	Kumulsingi	750	Gajapati
29	PSP_2	3179	Malkangiri
30	PSP_3	2380	Gajapati
31	Makod Ghat	300	Sundergarh
32	PSP_5	1158	Gajapati
33	PSP_6	1117	Kehdujhar
34	Barhagarh	1000	Ganjam
35	Sikabadi	600	Gajapati
36	Dhayagurha	750	Koraput
37	PSP_10	583	Kalahandi
38	PSP_11	507	Ganjam
39	PSP_12	484	Nayagarh
40	Dudhapalli	600	Malkangiri
41	PSP_14	465	Koraput
42	Mahughar	720	Gajapati
43	PSP_16	367	Kehdujhar
44	PSP_17	349	Malkangiri
45	PSP_18	343	Kandhamal
46	PSP_19	299	Kandhamal
47	PSP_20	270	Sundergarh
48	Jharigumma	500	Kalahandi/Nabarangpur
49	Bhataguda	720	Malkangiri
50	PSP_23	228	Nayagarh
51	PSP_24	210	Malkangiri
52	Balinala	750	Ganjam
53	PSP_26	201	Malkangiri
53	**TOTAL**	**41525**	

a. PSP Concurred by CEA and yet to be taken for construction

Sl. No	Name of Project	River		I.C. (MW)	Agency	District	Sector
		Upper Reservoir	Lower Reservoir				
1	Upper Indravati	Upper Indravati HEP reservoir	To be constructed	600	OHPCL	Kalahandi	State
1	**TOTAL**			**600**			

b. PSP under S&I

Sl. No.	Name of Project	Agency	River		I.C. (MW)	Sector	Remarks
			Upper Reservoir	Lower Reservoir			
1	Balimela	OHPCL	Balimela upper reservoir	To be constructed on Kharika Johra Stream	500	State	•Under S&I not inCEA •State project
2	Masinta	NHPC	Off Stream	Off Stream	1000	Center	•Under S&I in CEA • Target date of DPR Preparation-07/26 •Date of MoA/MoU-23.06.23
3	Upper Kolab	OHPCL	Upper Kolab	Off Stream	600	State	•Under S&I not inCEA •Date of MoA/MoU-18.03.21 (layout approval by govt. odisha)
4	Sikabadi	GRIDCO	Off Stream	Off Stream	600	State	•Under S&I in CEA
5	Kumulsingi	GRIDCO	Off Stream	Off Stream	750	State	•Under S&I in CEA
5	**TOTAL**				**3450**		

b. Balance Capacity

S.No.	SCHEMES	Agency	River		District	I.C. (MW)	Remarks
			Upper Reservoir	Lower Reservoir			
1	Greenko OD01	Greenko Energies Private Limited			Kalahandi	1200	•Proposal not yet received in CEA • Agency- Greenko Energies Private Limited •Date of grant of TOR-17.04.2023
2	Ramial Left	Renew Solar Power Private Limited			Keonjhar	1500	•Proposal not yet received in CEA • Agency- Renew Solar Power Private Limited •Date of grant of TOR-15.01.2024
3	Tainsar	Jindal Renewable Power Private Limited			Deogarh	675	•Proposal not yet received in CEA • Agency- Jindal Renewable Power Private limited •Date of grant of TOR-22.01.2024
4	Saruali	JRPL			Deogarh	840	•Proposal not yet received in CEA • MOU Received
5	Dandadhar				Keonjhar	900	Developer - NEEPCO PFR Completed
6	Deo Dam				Mayurbhanj	150	Developer - Gridco-NTPC The project will be taken into later phase due to RR/WL/Reserve Forest,
7	Telengiri				Koraput	650	Developer - OTPC PFR Completed
8	RET Dam				Kalahandi	450	Developer - OTPC PFR Completed
9	Brahmani River Stream				Sundargarh	450	Developer - NLCI PFR Completed
10	Salandi Reservoir				Keonjhar	300	Developer - Grdico-NLCI The project will be taken into later phase due to RR/WL/Reserve Forest,
11	Ghodahada				Ganjam	250	Identified by GRIDCO PFR and developer yet to be allocated
12	Patora Dam				Nuapada	350	Identified by GRIDCO PFR and developer yet to be allocated
13	Harbhangi				Gajapati	300	Developer - NHPC DPR in progress
14	Badanalla Stream				Rayagada	600	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
15	Koldihi				Deoghar	640	Developer - OHPC The project will be taken into later phase due to RR/WL/Reserve Forest,
16	Khunta				Mayurbhanj	1000	Developer - OHPC The project will be taken into later phase due to RR/WL/Reserve Forest,

17	Madhapur				Baudha	1000	Developer - OHPC The project will be taken into later phase due to RR/WL/Reserve Forest,
18	Tumudibandh				Kandhamal	3000	Developer- OHPC PFR completed
19	Ambapani				Kalahandi	1000	Developer- OHPC PFR completed
20	Kamalakheta				Gajapati	800	Developer- OHPC PFR completed
21	Lakaisuni				Gajapati	920	Developer- OHPC PFR completed
22	Prahadipanga				Kandhamal	2300	Developer- OHPC PFR completed
23	Panabari				Nayagarh	720	Identified by OHPC
24	PSP_2				Malkangiri	3179	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
25	PSP_3				Gajapati	2380	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
26	Makod Ghat				Sundergarh	300	Developer to be decided in TBCB DFR Completed and ready for TBCB in Ph-III
27	PSP_5				Gajapati	1158	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
28	PSP_6				Kehdujhar	1117	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
29	Barhagarh				Ganjam	1000	Developer to be decided in TBCB DFR Completed and ready for TBCB in Ph-III
30	Dhayagurha				Koraput	750	Developer to be decided in TBCB DFR Completed and ready for TBCB in Ph-III
31	PSP_10				Kalahandi	583	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
32	PSP_11				Ganjam	507	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
33	PSP_12				Nayagarh	484	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
34	Dudhapalli				Malkangiri	600	Developer to be decided in TBCB DFR Completed and ready for TBCB in Ph-II
35	PSP_14				Koraput	465	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
36	Mahughar				Gajapati	720	Developer to be decided in TBCB DFR Completed and ready for TBCB in Ph-II
37	PSP_16				Kehdujhar	367	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,

38	PSP_17				Malkangiri	349	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
39	PSP_18				Kandhamal	343	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
40	PSP_19				Kandhamal	299	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
41	PSP_20				Sundergarh	270	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
42	Jharigumma				Kalahandi/Nabarangpur	500	Developer to be decided in TBCB DFR Completed and ready for TBCB in Ph-III
43	Bhataguda				Malkangiri	720	Developer to be decided in TBCB DFR Completed and ready for TBCB in Ph-II
44	PSP_23				Nayagarh	228	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
45	PSP_24				Malkangiri	210	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
46	Balinala				Ganjam	750	Developer to be decided in TBCB DFR Completed and ready for TBCB in Ph-III
47	PSP_26				Malkangiri	201	Developer - Gridco The project will be taken into later phase due to RR/WL/Reserve Forest,
47	**Total**					**37475**	

Summary of Hydro Power Development in West Bengal

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		10	809.2
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	5	441.2
B	Projects under construction	1	120
C	Projects under S&I	1	90
D	Balance Capacity*	3	196

*The capacity yet to be allotted by the State for development 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.

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		6	5500
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	In Operation	1	900.00
b	Concurred by CEA and yet to be taken up for construction	1	1000
c	Balance	4	3600

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	Installed Capacity(MW)
1	Rammam I	Rammam	R	60
2	Rammam II	Rammam	R	50
3	Rammam III	Rammam	R(P)	120
4	Tessta Low dam -IV (Teesta High Dam)	Teesta	R (P)	160
5	Teesta Low Dam III	Teesta	R (P)	132
6	TLDP- I&II	Great Rangit	R	56
7	Teesta Intermediate	Teesta	R	52
8	Teesta Low Dam Project V	Teesta	R	80
9	Jaldhaka (Jaldhaka I)	Jaldhaka	R (P)	36
10	Maithon	Barakar	S	63.2
10	**TOTAL**			**809.2**

A. H.E. Projects in Operation:

Sl.No.	Name of Project	Agency	District	River /Basin*	I. C.	Type (R/S/R(P))	Sector	Year of Commissioning
1	Jaldhaka	WBSEDCL	KALIMPONG	Jaldhaka	36	R(P)	State	1967- 72,2012
2	Rammam-II	WBSEDCL	DARJEELING	Rammam	50	R	State	1995-96
3	Teesta Low Dam-III	NHPC	DARJEELING	Teesta	132	R(P)	Central	2013-14
4	Maithon	DVC	WEST DHANBAD	Basakar	63.2	S	Central	1957-58
5	Teesta Low Dam-IV	NHPC	DARJEELING	Teesta	160	R(P)	Central	2016
5	**Total**				**441.2**			

*** Maithon is in Ganga and others are in Brahmaputra Basin.**

B. H.E. Projects under Construction:

Sl. No.	Name of Project	Agency	District	River	I. C. (MW)	Type (R/S/R(P))	Sector	Likely Commissioning
1	Rammam-III	NTPC	Darjeeling	Ramman	120	R(P)	Central	2028-29 (Mar'29)
1					**120**			

C. H.E. Projects Under Survey & Investigation:

Sl. No.	Name of Project	Basin/River	Agency for DPR	I.C. (MW)	District	Type (R/S/R(P))	Sector	Target date of Preparation of DPR	Remarks
1	Teesta Intermediate	Teesta	WBSEDCL	90	Darjeeling	ROR	State	04/26	Under S&I not in CEA
1				**90**					

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

D. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C.(MW)	District	Remarks
1	Rammam-I	Rammam	RoR	60	Darjeeling	
2	Teesta Low Dam Project V	Teesta	RoR	80	Darjeeling	
3	TLDP-I&II	Badi rangit	RoR	56	Darjeeling	• The project was alloted to NHPC. However, withdrawal of consent for the project by Govt. of Sikkim on 30.01.2017.
3	**Total**			**196**		

Note: R –Run of the River

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	I.C. (MW)	District
1	Kulbera	800	Purulia
2	Bandhu	900	Purulia
3	Panchet Hill	1000	Purulia
4	Purulia	900	Purulia
5	Turga PSS	1000	Purulia
6	Kathlajal	900	Purulia
6	**TOTAL**	**5500**	

a. PSP In Operation

Sl. No	Name of Project	River	I.C. (MW)	Agency	District	Sector	Remarks
1	Purulia	Kisto Bazar Nalla	900	WBSEDCL	Purulia	State	Year of commissioning - 2007
1	**TOTAL**		**900**				

b. PSP Concurred by CEA

Sl. No	Name of Project	River	I.C. (MW)	Agency	District	Sector	Remarks
1	Turga	Turga Nala	1000	WBSEDCL	Purulia	State	•Date of concurrence-05.10.2016 •EC accorded on 02.07.2018. FC-I accorded on 12.04.18 and FC-II accorded on 13.10.2022.
1	**TOTAL**		**1000**				

c. Balance Capacity

Sl. No	Name of Project	River		I.C. (MW)	Agency	District	Remarks
1	Kulbera	Rupai Nala	Kulbera Nala	800	Indicated by MoP to DVC	Purulia	• Inititally Indicated by MoP to DVC • As per email dated 09.07.2026 received from DVC :- Chairman & Managing Director, WBSEDCL, West Bengal on 28.03.2022 requested DVC for not carrying out investigation/study towards preparation of PFR on Kulbera PSP, since Govt of West Bengal had identified Kulbera PSP long back and they will prepare PFR for the said PSP. As Such, DVC will not carry out Pre-Feasibility Study on the said PSP site.
2	Bandhu	Bandhu Nala	Bandhu Nala	900	WBSEDCL	Purulia	PFR under preparation
3	Panchet Hill	Panchet Reservoir	Panchet Reservoir	1000	Indicated by MoP to DVC	Purulia	• As per email dated 09.07.2026 received from DVC: Preparation of PFR completed and submitted to CEA on 30.05.23. MoU signed with WBSEDCL (50:50 partnership) on 22.11.23 for development of the project. JV agreement signature is pending for want of approval of WB State Cabinet.
4	Kathlajal	Kathlajal nala	Kathlajal nala	900	WBSEDCL	Purulia	Yet to be taken up under S&I
4	**TOTAL**			**3600**			

Summary of Hydro Power Development in Sikkim

I. Conventional projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		34	6051
Breakup of Hydro power Potential (2017-23)			
A	Projects in operation	8	2282
B	Projects under construction	2	620
C	Projects concurred by CEA and yet to be taken up for construction	1	520
D	Balance Capacity	23	2629

I. Conventional projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	I.C. (MW)
1	Kalep	Tista	R	54
2	Talem	Tista	R	44
3	Jedang	Lhonak	R	160
4	Teesta-I (zeema)	Teesta	R	320
5	Serum	Sebokung	R	115
6	Lachung	Lachung	R	75
7	Teesta-II	Lachen Chu	R	410
8	Lachen (Chunthang)	Teesta	R	160
9	Ringpi	Ringpi	R	120
10	Rukel	Rongni chu	R	26
11	Rangyong	Rongni chu	R	248
12	Panan	Toulng	R	300
13	Teesta-III (Singhik)	Teesta	R (P)	1200
14	Teesta St-IV (Mangan)	Teesta	R (P)	520
15	Dikchu	Dikchu	R (P)	96
16	Teesta- V (samdong)	Teesta	R (P)	510
17	Lower lagyap	Rongni	R	26
18	Chhot pathing	Rangpo	R	55
19	Rongnichu (Rongni Storage)	Rangpo	R	113
20	Mana	G. Rangit	R	44
21	Lethang (Yoksam)	Ranthang chu	R	98
22	Namlum	G. Rangit	R	50
23	Rangit -III (Gompa+ Ligship)	Rangit	R (P)	60
24	Chujachen	Rangpo	R (P)	110
25	Jorethang Loop	Rangit	R (P)	96
26	Rangit-II	Rimbi	R	66
27	Teesta-VI	Teesta	R	500
28	Rangit-IV	Rangit	R	120
29	Bhasmey	Rangpo	R	51
30	Tashiding	Ranthang chu	R (P)	97
31	Kalez Khola	KalezKhola	R	34
32	Suntaleytar	Rangpo Chu	R	32
33	Bimkyong	Lachung Chu	R	66
34	BOP	Lachung Chu	R	75
34	**TOTAL**			**6051**

A. H.E. Projects in Operation:

S. NO.	UTILITY/ STATIONS	NO. OF STNS.	NO. OF UNITS X CAPACITY (MW)	RIVER / BASIN*	DISTRICT	I.C. (MW)	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
	NHPC								
1	RANGIT	1	(3X20)	Teesta	GANGTOK	60	R(P)	Central	2000
2	TEESTA-V	1	(3X170)	TEESTA	EAST SIKKIM	510	R(P)	Central	2008
	SUB-TOTAL NHPC	**2**				**570**			
	STATE								
	TEESTA URJA LTD. (TUL)								
3	TEESTA-III	1	(6X200)	TEESTA	NORTH SIKKIM	1200	R(P)	State	2017
	SUB-TOTAL TUL	**1**				**1200**			
	PRIVATE								
	GIPL (GATI INFRA PRIVATE LTD.)								
4	CHUZACHEN	1	(2*55)	RONGLI & RANGPO	EAST SIKKIM	110	R(P)	Private	2013
	SNEHA KINETIC POWER PROJECTS PVT LTD (SKPPPL)								
5	DIKCHU	1	(2*48)	Rangpo	EAST SIKKIM	96	R(P)	Private	2017
	SHIGA ENERGY PVT LTD (SEPL)								
6	TASHIDING	1	(2*48.50)	RATHANG CHU	WEST SIKKIM	97	R(P)	Private	2017
	DANS ENERGY PVT LTD. (DEPL)								
7	JORETHANG LOOP	1	(2*48)	RANGIT	SOUTH /WEST	96	R(P)	Private	2015
	Madhya Bharat Pvt Company (MBPC)								
8	RONGNICHU	1	2*56.5	Rangpo	EAST SIKKIM	113	R	Private	2021
	SUB-TOTAL PRIVATE	**5**				**512**			
8	**TOTAL SIKKIM**	**8**				**2282**			

*** All projects are in Brahamputra Basin**

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. H.E. Projects under Construction:

Sl. No.	Name of Project	Agency	District	I.C. (MW)	River/ Basin	Type (R/S/R(P))	Sector	Likely commissioning
1	Teesta St. VI	NHPC	South Sikkim	500	Teesta/ Brahmaputra	R	Central	2029-30 (Sept'29)
2	Rangit-IV	NHPC	West Sikkim	120	Rangit/ Brahmaputra	R	Central	2026-27 (Nov'26)
2	**Total**			**620**				

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

C. H.E. Projects concurred by CEA and yet to be taken up for construction:

Sl. No	Name of Project	Agency	District	I.C. (MW)	River	Type (R/S/R(P))	Date of CEA Concurrence	Sector	Status
1	Teesta St-IV	NHPC	North Sikkim	520	Teesta	**R(P)**	13.05.10	Central	EC accorded on 09.01.14. FC-I accorded on 26.02.13. FC-II is yet to be obtained. . #
1	**Total**				**520**				

Forest Clearance Stage-II is pending on account of following actions required by State Govt.:
i) Compliance under "Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006" (FRA-2006) by getting consent of remaining 3 Gram Panchayat Units (GPU's), out of total 10 GPUs and;
ii) Completion of settlement of rights under FRA, 2006.

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

D. Balance Capacity

Sl.No.	Name of Project	River	Type (R/S/R(P))	I.C. (MW)	District	Reamrks
1	Kalep	Tista	R	54	North Sikkim	
2	Talem	Tista	R	44	North Sikkim	
3	Jedang	Lhonak	R	160	North Sikkim	
4	Teesta-I (zeema)	Tista	R	320	North Sikkim	
5	Serum	Sebokung	R	115	North Sikkim	
6	Lachung	Lachung	R	75	North Sikkim	
7	Ringpi	Ringpi	R	120	North Sikkim	
8	Rukel	Rongnichu	R	26	North Sikkim	
9	Rangyong	Rongnichu	R	248	North Sikkim	
10	Chhota Pathing	Rongpo	R	55	East Sikkim	
11	Mana	G.Ranjit	R	44	South Sikkim	
12	Namlum	G.Ranjit	R	50	North Sikkim	
13	Lower Lagyap	Rongpi	R	26	East Sikkim	
14	Teesta St-II	Lachen chu	R	410	North Sikkim	
15	Lachen (Chunthang)	Teesta	R	160	North Sikkim	
16	Bimkyong	Lachung Chu	R	66	North Sikkim	
17	BOP	Lachung Chu	R	75	North Sikkim	
18	Lethang (Yoksam)	Ranthang chu	R	98	West Sikkim	
19	Kalez khola	Kalez Khola	R	34	West Sikkim	•Project was in S&I held up due to objection raised by local people against Topographical Survey.
20	Suntaleytar	Rangpo Chu	R	32	East sikkim	•Initially alloted to Hindustan Electric Power Ltd. •Project was in S&I Held up as MOA was not finalised
21	Bhasmey	Rangpo	R	51	East Sikkim	•Initially alloted to Gati Infra pvt ltd • Matter is sub-judice. The Court appointed Resolution Professional for Bhasmey HEP stated that works stalled since Sept., 2016. CIRP has been initiated against Gati infra and NCLT has appointed Resolution Professional .The Resolution Professional has received 4 Resolution Plan in the matter of Gati Infrastructure Bhasmey Power Private Limited and are pending for approval from the Committee of Creditors. Project is likely to be commissioned 4 years after restart of works.
22	Rangit-II	Rangit	R	66	West Sikkim	•Initially alloted to Sikkim hydro Power Venture ltd • Works stalled since Dec., 2017. Funds constraints with the developer. Project is likely to be commissioned 3 years after restart of works
23	Panan	Toulng	R	300	North Sikkim	•Initially alloted to Himagiri Hydro Energy Pvt ltd •Accessibility to Project site. The permanent bridge over Mantam Lake for accessibility to Dam site is being constructed by Sikkim PWD which is likely to be completed by Nov' 2024. The Financial Institutes are awaiting for completion of bridge, thereafter the process of financing the project can start. .Project is likely to be commissioned 5 years after restart of works.
23	**Total**			**2629**		
Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage						

Summary of Hydro Power Development in Meghalaya

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		22	2026
Breakup of Hydro Power Potentia (2017-23 Study)			
A	Projects In Operation	5	322
B	Projects under S&I	2	270
C	Balance Capacity*	15	1573

*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.

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S. No.	Name	River	Type	Installed Capacity
1	Kyrdamkulai (Umiam Umtru-III)	Umtru	R(P)	60
2	Umiam (Umtru) St IV	Tail Water of Umaim st. III	R(P)	60
3	Umium-Ummtru VI	Umtru	S	39
4	Umlamphang	Umiam	R	28
5	Umaim Stage -I	Umiam	S	36
6	New Umtru	Umtru	R(P)	40
7	Selim	Myntdu	R	54
8	Umanghot (Umngot Stor.)	Umngot	R	220
9	Umjaut	Umiew	R	72
10	Umduna (Umduma)	Umiam	R	60
11	Wah Umiam Stage-III (Mawhu+ Nonglyngkien)	Umiew	R	85
12	Umngi Stage-I (Umngi Storage+ Rangmaw)	Umngi	S	30
13	Nongam	Umngi	R	165
14	Mawpat	Umngi	R	30
15	Kynshi II (Mawthaba)	Kynshi	R	278
16	Kynshi I (Mawsyrpat+ Kynshi -I storage)	Kynshi	S	270
17	Nangmawlar (Nongmawlar)	Kynshi	R	106
18	Mawblei Storage	Wahblei	S	110
19	Simsang Dam P/H	Someshri	S	66
20	Amagam Storage	Rongdi	S	26
21	Myntdu Leshka stage I	Myntdu	R(P)	126
22	Myntdu Leshka St-II	Myntdu	R	65
22	**TOTAL**			**2026**

A. H.E. Projects in Operation:

S. No.	Utility/Stations	No. of Stns.	No. of units x Capacity (MW)	River / Basin*	District	I.C. (MW)	Type (R/S/R(P))	Sector	Year of commissioning
	MePGCL								
1	KYRDEMKULAI	1	(2X30)	Umtru	RI-BHOI	60	R(P)	State	1979
2	UMIAM ST-I	1	(4X9)	UMIAM	RI-BHOI	36	S	State	1965
3	NEW UMTRU	1	(2X20)	UMTRU	RI-BHOI	40	R(P)	State	2017
4	UMIAM ST-IV	1	(2X30)	Tail water of Stage-III PH & own catchment	RI-BHOI	60	R(P)	State	1992
5	MYNTDU ST-I	1	(3X42)	MYNTDU	JAINTIA HILLS	126	R(P)	State	2011 2013
5	**TOTAL MePGCL**	**5**				**322**			

* All projects are in Brahamputra Basin

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

C. H.E. Projects Under Survey & Investigation:

Sl. No.	Name of Project	River	Agency	I.C. (MW)	District	Type (R/S/R(P))	Sector	Remarks
1	Simsang Dam Project	Somershwari	Brahmaputra Board	60	South Garo Hills	R	Central	• Under S&I in CEA
2	Myntdu Leshka st-II	Myntdu	MePGCL	210	West Jaintia Hills	R	State	Under S&I in CEA
2	**Total**			**270**				

D. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C (MW)	District	Reamrks
1	Umium-Ummtru VI	Umtru	S	39	Ri-Bhoi	
2	Umlamphang	Umiam	R	28	Ri-Bhoi	
3	Nongam	Umngi	R	165	East Khasi Hills	
4	Mawpat	Umngi	R	30	West Khasi Hills	
5	Nangmawlar	Kynshi	R	106	West Khasi Hills	
6	Amagam Storage	Rongdi	S	26	East Garo hills	
7	Umjaut	Umiew	R	72	Umiew	
8	Umduna (Umduma)	Umiam	R	60	Umiam	
9	Umngi Stage-I (Umngi Storage+ Rangmaw)	Umngi	S	30	Umngi	
10	Kynshi I (Mawsyrpat+ Kynshi -I storage)	Kynshi	S	270	Kynshi	
11	Mawblei Storage	Wahblei	S	110	Wahblei	
12	Umanghot (Umngot Stor.)	Umngot	R	220	Umngot	
13	Kynshi-II	Kynshi	R	278	West Khasi Hills	•Initially alloted to GoMe & Jaiprakash Power Venture Ltd. (JV) • Project was in S&I held up on account of non-finalisation of dam location/height due to deposit of Uranium. I.C. revised to 325 MW. GoMe informed vide their letter dated 28.11.2019 that project has been kept in abeyance since 2012 due to presence of Uranium deposits within the Dam & Reservoir areas of the project.
14	Selim	Myntdu	R	54	East & West jantia Hills	•Initially alloted to MePGCL •Project held up due to irregular allocation/release of funds, the hostile terrain, non and non-availability of geologists from GSI, India. MePGCL vide their letter dated 01.11.2019 informed that installed capacity is likely to be 60 MW. Report on Site Specific Design Earthquake Parameters submitted to CWC on 30.11.21 by developer.
15	Wah Umiam Stage-III	Umiew	R	85	East Khasi Hills	As per HPA - EC recommended by EAC on 26.02.2018. However, EC will be issued on submission of Stage-I Forest Clearance. FC yet to be obtained. NEEPCO vide letter dated 09.07.2026 to state govt has informed that the it has discontinued the project due to high tariff.
15	**Total**			**1573**		

Note: R –Run of the River & S- Storage

Summary of Hydro Power Development in Tripura

No Large Hydroelectric Project has been identified in the Tripura State.

I. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		1	800
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Under S&I	1	800

I. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projects

Sl. No.	Name of project	I.C. (MW)	District
1	Longtarai	800	Dhalai
1	Total	800	

a. Under Survey & Investigation

Sl. No	Name of Project	Agency	District	River		I.C. (MW)	Remarks
				Upper Reservoir	Lower Reservoir		
1	Longtarai	NHPC	Dhalai	Off Stream	Off Stream	800	•Under S&I not in CEA
1	**Total**					**800**	

Summary of Hydro Power Development in Manipur

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		9	615
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	1	105
B	Balance Capacity	8	510

I. Conventional Projects

Details of Exploitable Hydro Power projects

S. No.	Name	I.C. (MW)	River	Type
1	Khongem Chakha II	40	Barak	S
2	Khongem Chakha III	28	Barak	R
3	Irang	60	Irang	S
4	Pabaram	213	Barak	S
5	Nungnag	28	Irang	S
6	Loktak D/s (Khunou)	66	Leimatak	R
7	Loktak	105	Loktak lake fed by Khuga and Imphal river	S
8	Thinghat	45	Tuival	S
9	Maklang - Tuyungbi	30	Maklang Tuyungbi	S
9	**TOTAL**	**615**		

A. H.E. Projects in Operation:

Sl.No.	Name of Project	Agency	I. C. (MW)	River	District	Type (R/S/R(P))	Sector	Year of Commissioning
NHPC								
1	Loktak	NHPC	105	Loktak lake fed by Khuga and Imphal river	Churachandpur	S	Central	1983
1	**Total**		**105**					

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

B. Balance Capacity

Sl.No.	Name of Project	I.C.(MW)	River	District	Type
1	Khongnem Chakha-II	40	Barak	Senapati	S
2	Khongnem Chakha-III	28	Barak	Senapati	R
3	Nungnag	28	Irang	Tamenglong	S
4	Thinghat	45	Tuivai	Churachandpur	S
5	Irang	60	Irang	Tamenglong	S
6	Pabaram	213	Barak	Tamenglong	S
7	Maklang - Tuyungbi	30	Maklang & Tuyungbi	Ukhrul	S
8	Loktak D/S (Khunou)	66	Leimetak	Tamenglong	R
8	**Total**	**510**			

Note: R –Run of the River & S- Storage

Summary of Hydro Power Development in Assam

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		8	643
Breakup of Hydro Power Potential (2017-23 study)			
A	Projects in operation	3	346
B	Projects under construction	1	120
C	Projects returned to project authorities	1	60
D	Balance Capacity*	3	143

*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.

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		7	7720
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Under S&I	4	4900
b	Balance Capacity	3	2820

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	Installed Capacity (MW)
1	Dilli (Dilli Stor.)	Disang	S	28
2	Diyung Dam P/H	Jamuna	S	45
3	Khandong (Kopili-I)	Kopili	S	50
4	Kopili (Kopili II)	Umrong	S	200
5	Amring	Amring	S	70
6	Karbi Langpi (Upper Borpani)	Borpani	S	30
7	Karbi langpi (Lower Borpani)	Borpani	R(P)	100
8	Lower Kopili	Kopili	R (P)	120
8	**TOTAL**			**643**

A. H.E. Projects in Operation:

S.No	UTILITY/ STATIONS	NO. OF STATIONS	No. of Units	NO. OF UNITS X CAPACITY (MW)	RIVER/ BASIN*	DISTRICT	I.C. (MW)	Type (R/S/R(P))	Sector	YEAR OF COMMISSIONING
	NEEPCO									
1	KOPILI	1	4	(4X50)	Umrong	DIMA HASAO	200	S	Central	1988 -1997
2	KHONDONG	1	2	(2X23)	KOPILI	DIMA HASAO	46	S	Central	1984
	SUB-TOTAL NEEPCO	**2**	**6**				**246**			
	APGCL									
3	KARBI LANGPI [Lower Borpani]	1	2	(2X50)	BORPANI	KARBI ANGLONG	100	R(P)	State	2007
	SUB-TOTAL APGCL	**1**	**2**				**100**			
3	**TOTAL ASSAM**	**3**	**8**				**346**			

* All projects are in Brahamputra Basin

B. H.E. Projects under construction:

Sl No.	Name of Project	Agency	River / Basin	District	I.C.(MW)	Type (R/S/R(P))	Sector	Likely Commissioning
1	Lower Kopili	APGCL	Kopili / Brahamputra	Karbi Anglong & Dima Hasao	120	R (P)	State	2026-27 (April'26)##
1	**Total**				**120**			

##2 units (110 MW) likely during 2025-26, 3 units (10 MW) likely during 2026-27.

Note :R= Run of River, S=Storage & R(P)= Run of River with Pondage

C. H.E. Projects Returned to Project Authorities for re-submission after compliance of observations:

Sl. No	Name of Project	Agency	Sector	I.C. (MW)	Month of Return/Reason of Return
1	Karbi Langpi (Upper Borpani)	ASEB	State	60	Returned on 12/08 due to involvement of interstate aspects with Meghalaya, updated hydrology not been utilized for carrying out power potential study, cost estimates not framed at current PL and inadequate geological investigations etc.
1	**Total**			**60**	

D. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C.(MW)	District
1	Dilli Stor.	Disang	S	28	Dibrugarh
2	Diyung Dam P/H	Diyung	S	45	Cachar
3	Amring	Amring	S	70	Karbi Anglong
3	**Total**			**143**	

Note: R –Run of the River & S- Storage

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	District	I.C.(MW)
1	Kopili	Dima Hasao	320
2	Greenko Assam -01	West Karbi Anglong	900
3	Howraghat	Karbi Anglong	1500
4	Motihojai	Dima Hasao	1200
5	Tharakunchi	West Karbi Anglong	1000
6	Assam PSP 05	West Karbi Anglong	1300
7	As-2 PSP	West Karbi Anglong & Dima Hasao	1500
7	**Total**		**7720**

a. Under S&I

Sl. No	Name of Project	Agency	District	River		I.C. (MW)	Remarks
				Upper Reservoir	Lower Reservoir		
1	Howraghat	Adani Green	Karbi Anglong	Off Stream	Off Stream	1500	•Project under S&I not in CEA •MoU signed with Govt of Assam on 24 July 2025 • As per email received from Assam Power Distribution company Limited (APDCL) via email dated 23.07.2026 / letter dated - No. APDCL/CGM (NRE)/NRE-197/Pt-III/2025-26/137 : ASSAM/PSP-03 is the name assigned by APDCL for the 1,500 MW self-identified PSP proposed by Adani Hydro Energy Eight Limited in Karbi Anglong district. The project has been approved by the Cabinet of Assam, and its name as per the MoU is Howraghat PSP
2	Motihojai	Adani Green	Dima Hasao	Off Stream	Off Stream	1200	•Project under S&I in CEA •MoU signed with Govt of Assam on 26 August 2025 • As per email received from Assam Power Distribution company Limited (APDCL) via email dated 23.07.2026 / letter dated - No. APDCL/CGM (NRE)/NRE-197/Pt-III/2025-26/137 : ASSAM/PSP-04 is the name assigned by APDCL for the 1,200 MW self-identified PSP proposed by Adani Hydro Energy Eight Limited in Dima Hasao district. The project has been approved by the Cabinet of Assam, and its name as per the MoU is Moti Hojai PSP

3	Greenko Assam -01	Greenko	West Karbi Anglong	Off Stream	Off Stream	900	• Under S&I not in CEA •As per information received via email dated 23.07.2026 from Greenko : EC : Public hearing completed on 16-06-2026. EIA/EMP report under progress. >FC:Stage-I clearance obtained on 13-02-2026. Stage-1 compliance under progress for obtaining Stage -2 clearance As per email dated 19.08.2026 from APDCL : - APDCL Nomenclature for EC &FC Process= Assam/PSP-01 - Stage-I of Forest Clearance has been granted on 13.02.2026 - ToR has been granted on 02.06.2025 - Public Hearing has been conducted on 16.06.2026 - DPR finalization is under process
4	Assam PSP 05	Hinduja Renewables Energy Pvt. Ltd.	West Karbi Anglong	Off Stream	Off Stream	1300	•Under S&I in CEA
4	**Total**					**4900**	

b. Balance Capacity

Sl. No	Name of Project	Agency	District	River		I.C. (MW)	Remarks
				Upper Reservoir	Lower Reservoir		
1	Kopili	Indicated by MoP to NEEPCO	Dima Hasao	Khandong	Umrong	320	As per email dated 10.07.2026 from NEEPCO • NOC received from Govt. of Assam for preparation of DPR & related investigation works. • MoU signed with the Govt. of Assam on 26.02.2025 for development of the project. • Preparation of Pre-Feasibility Report (PFR) is completed for an installed capacity of 500 MW and at an estimated cost of ₹ 4,712 Cr. • Work for preparation of Detailed Project Report (DPR) shall be awarded within July'26
2	Tharakunchi	M/s Hinduja Renewables Energy Pvt. Ltd.	West Karbi Anglong			1000	Request for examination of DPR chapters is available. However, pre-DPR chapters have not yet been received. As per email dated 19.08.2026 from APDCL : - APDCL Nomenclature for EC &FC Process= Assam /PSP-02 - Forest Clearance application submitted on 13.11.2025 - ToR for Environmental Clearance applied on 19.11.2025 but deferred -Due to public opposition, the project is currently at halt

3	AS-2 PSP	Assam Power Generation Corporation Limited	West Karbi Anglong & Dima Hasao	Langsomepi Village	Existing 120MW Lower Kopili reservoir, Longku Village	1500	As per eamil dated 17.08.2026 from APGCL : Pre-Feasibility report is under preparation
3	**Total**					**2820**	

Summary of Hydro Power Development in Nagaland

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		4	325
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	1	75
B	Projects concurred by CEA and yet to be taken up for construction	1	186
C	Balance Capacity	2	64

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	Installed Capacity (MW)
1	Dikhu (Dikhu Dam P.H.)	Dikhu	Seasonal Storage cum Run-of River	186
2	Yangnyu (Yangnyu Stor.)	Yangnyu	S	36
3	Jhanzi Storage	Jhanzi	S	28
4	Doyang (Doyang V)	Doyang	S	75
4	**TOTAL**			**325**

A. H.E. Projects in Operation:

S. No.	Utility/Stations	Agency	No. of units x Capacity (MW)	River / Basin	District	I.C.(MW)	Type (R/S/R(P))	Sector	Year of commissioning
	NEEPCO								
1	DOYANG	NEEPCO	(3X25)	DOYANG / Brahamputra	WOKHA	75	S	Central	2000
1	**TOTAL NAGALAND**	**1**				**75**			

B. H.E. Projects concurred by CEA and yet to be taken up for construction:

Sl No.	Name of Project	Agency	Date of CEA Concurrence	River / Basin	District	I.C. (MW)	Type (R/S/R(P))	Sector	Status
1	Dikhu	NMPPL	31.03.2014	Dikhu / Brahamputra	Longleng	186	Seasonal S cum R	Private	EC yet to be obtained by developer. TOR issued on 27/12/2018. FC not applicable as forest land is not involved. .#
1	**Total**					**186**			

EIA/EMP studies are in progress and yet to be completed. Consent of PPA as per CERC Tariff is obtained. Govt. of Nagaland has forwarded PPA tariff calculations for the approval of Nagaland Regulatory Commission.

C. Balance Capacity

Sl.No.	Name of Scheme	River	District	I.C.(MW)	Type
1	Yangnyu (Yangnyu Stor.)	Yangnyu	Longleng	36	S
2	Jhanzi storage	Jhanzi	Mokokchung	28	S
2	**Total**			**64**	

Note: R –Run of the River & S- Storage

Summary of Hydro Power Development in Arunachal Pradesh

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		109	50394.00
Breakup of Hydro Power Potential (2017-23 Study)			
A	Projects in operation	4	2115
B	Projects under construction	5	5006
C	Projects concurred by CEA and yet to be taken up for construction/ DPR appraised by CEA	12	14542
D	Projects Under Examination	1	1605
E	Projects returned to project authorities	12	3523
F	Projects under S&I	6	15206
G	Balance Capacity*	70	10719

*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.

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		1	660
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Balance Capacity	1	660

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
1	Mihundon	Dri	R	226
2	Amulin	Matun	R	212
3	Emini	Matun	R	326
4	Agoline	Dri	R	220
5	Attunli	Tangon	R(P)	680
6	Etalin	Dri& Tangon	R	3097
7	Emra-I	Emra	R	450
8	Emra-II	Emra	R	210
9	Elango	Ahi	R	128
10	Dibang (Dibang Stor.)	Dibang	S	2880
11	Sissiri (Sesseri)	Sesseri	S	60
12	Ithun I	Ithun	R	76
13	Ithun II	Ithun	R	48
14	Etabue	Ange Pani	R	122
15	Jidu (Yangsang)	Yangsang	R	90
16	Rigong	Ringong	R	85
17	Mirak	Sigong	R	78
18	Pango (Minnying)	Sirapatang	R	72
19	Pauk	Yarjep	R	128
20	Heo	Yarjep	R	240
21	Hirong	Siyom	R	500
22	Tato-II	Siyom	R(P)	700

23	Tato-I	Yarjep	R	186
24	Naying	Siyom	R	1000
25	Yamne-I	Yamne	R	106
26	Yamne St II	Yamne	R	70
27	Lower Siang (Passighat)	Siang	R(P)	2700
28	Siyom (Middle) (Passighat)	Siyom	R	1000
29	Tagurshit	Tagurshit	R	52
30	Pemashelphu	Yargyap Chu	R	78
31	Kangtangshri	Siyom	R(P)	68
32	Lower Yamne-I (Jaru)	Yamne	R	66
33	Rapum	Siyom	R	60
34	Rego	Siyom	R	63
35	Lower Yamne St-II (Yapin)	Yamne	R	74
36	Sippi	Ringong	R	75
37	Simang I	Simang	R	32
38	Simang- II	Simang	R	32
39	Siang Upper Stage-II (Passighat)	Siang	S	3750
40	Saing Upper Stage-I (Passighat)	Siang	S	6834
41	Kalai-I (Kalai)	Lohit	R	1140
42	Hutong -II (Hutong)	Lohit	R	900
43	Demwe Lower (Demwe)	Lohit	R(P)	1750
44	Demwe Upper St-I (Demwe)	Lohit	R	210

45	Demwe Upper St-II (Demwe)	Lohit	R	210
46	Demwe Upper St-III (Demwe)	Lohit	R	150
47	Gimliang	Dau	R	82
48	Raigam	Delai	R	180
49	Tidding -I	Tidding	R	82
50	Tidding -II	Tidding	R	70
51	Kalai II (Kalai)	Lohit	R(P)	1200
52	Anjaw	Lohit	R	230
53	Oju (Oju-I + Oju-II)	Subansiri	R	2060
54	Niare	Subansiri	R	860
55	Naba	Subansiri	R	905
56	Milli	kurung	R	138
57	Sape	kurung	R	65
58	Chomi	Kurung	R	165
59	Chela	Kurung	R	180
60	Nyepin	Payam	R	48
61	Hiya	Payam	R	65
62	Kurung (Kurung Dam I + Kurung Dam II)	Kurung	S	300
63	Hegio	Kurung	R	320
64	Subansiri Lower (Subansiri Dam)	Subansiri	R(P)	2000
65	Tago I	Kale	R	48
66	Ranganadi St II (Yazali Storage)	Ranganadi	R	100
67	Nalo	Subansiri	S	372
68	Dengser	Subansiri	R	545

69	Subansiri Upper	Subansiri	S	1320
70	Subansiri Middle (kamla) (Tamen)	Kamala	S	1500
71	Panyor	Panyor	R	130
72	Ranganadi St-I (Yazali Div. -II)	Ranganadi	R(P)	405
73	Turu	Dikrong	R	100
74	Par	Dikrong	R	85
75	Dardu	Dikrong	R	85
76	Doimukh [Dudmukh Storage]	Dikrong	R	34
77	Pare	Dikrong	R(P)	110
78	Tipang	Tirap	S	26
79	Chanda	Kameng	R	115
80	Badao	Kameng	R	94
81	Para	Para	R	144
82	Talong Londa (Talong)	Kameng	R(P)	225
83	Pachuk II (Satuk)	Pachuk	R	54
84	Pachuk II Lower (Kapak Leyak)	Pachuk	R	62
85	Phanchung	Pachi	R	36
86	Utung	Bichom	R	76
87	Dibbin	Bichom	R	120
88	Khuitam	Digen	R	62
89	Dinchang (But +Maithing)	Digo	R	295
90	Kameng HEP (Bichom storage-I + Bichom-II)	Bichom/ Tenga	R(P)	600
91	Papu	Papu	R	100

92	Jameri (Tenga)	Tenga	R	172
93	Kimi	Bichom	R	535
94	Gongri	Gongri	R	144
95	Nafra	Bichom	R(P)	120
96	Meyong	Tim Kong Rong	R	32
97	Marjingla	Kameng	R	38
98	Marijingla Lower	Kameng	R	44
99	Pachuk I	Pachuk	R	95
100	Pakke Bung I	Pakke Bung	R	48
101	Papu Valley	Papu	R	45
102	Tawang St-I	Tawang Chu	R	600
103	Tawang St-II	Tawang Chu	R	800
104	Magochu	Mago Chu	R	48
105	Nyukcharong Chu	Nyukcharong Chu	R	160
106	Rho	Tawang Chu	R	145
107	Tsa Chu - I Lower	Nykrong Chu	R	145
108	Tsa Chu - II	Nykrong Chu	R	148
109	New Melling	Mago Chu	R	48
109	**Total**			**50394**

A. H.E. Projects in Operation:

S. No.	Name of Project	Agency	District	I.C. (MW)	River	Type (R/S/R(P))	Sector	Year of commissioning
1	RANGANADI	NEEPCO	Lower Subansiri	405	RANGANADI	R(P)	Central	2002
2	PARE	NEEPCO	Papum Pare	110	Dikrong	R (P)	Central	2018
3	Kameng	NEEPCO	West Kameng	600	Bichom & Tenga / Kameng	R (P)	Central	2020-21
4	Subansiri Lower	NHPC	Lower Subansiri	1000	Subansiri	R(P)	Central	2025
4	**Total**			**2115**				

Note: All projects are in Brahamputra Basin

B. H.E. Projects Under Construction:

Sl. No.	Name of Project	Agency	District	I.C. (MW)	River	Type (R/S/R(P)	Sector	Likely Commissioning
1	Subansiri Lower	NHPC	L.Subansiri/ Dhemaji	1000	Subansiri	R(P)	Central	2026-27 (Mar27)
2	Dibang Multipurpose Project	NHPC	Lower Dibang valley	2880	Dibang/Brahmaputra	S	Central	2031-32 (feb'32)
3	Heo	NEEPCO	West Siang	240.00	Yarjep River	R	Central	2029-30 (Dec'29)
4	Tato-I	NEEPCO	Shi-Yomi	186.00	Siyom River	R	Central	2029-30 (Dec'29)
5	Tato-II	NEEPCO	Shi-Yomi	700.00	Siyom River	R(P)	Central	2031-32(Aug'31)
5	**Total**			**5006**				

Note: All projects are in Brahamputra Basin

Note :R= Run of River, S=Storage & R(P)= Run of River with Pondage

C. H.E. Projects concurred by CEA and yet to be taken up for construction:

Sl No.	Name of Project	Agency	Sector	District	River	I.C. (MW)	Date of CEA Concurrence/ Project appraised by CEA	Type (R/S/R(P))	Status
1	Lower Siang	JAVL	Private	East Siang	Siang	2700	16.02.10	R(P)	EC & FC yet to be obtained by developer. MoEF&CC in Jan'2016 closed the proposal due to non-response of developer. Developer is required to carry out fresh EIA/EMP studies. #
2	Tawang St-I	NHPC	Central	Tawang	Tawang Chu	600	10.10.11	R	EC accorded on 10.06.2011 (valid till June 2021). EAC in its 13th meeting held on 16.06.2021 has recommended an extension of validity of EC for 3 years. FC-I & FC-II are pending. ##
3	Tawang St-II	NHPC	Central	Tawang	Tawang Chu	800	22.09.11	R	EC accorded on 10.06.2011 (valid till June 2021). MoEF&CC vide letter dated 18.10.2021 accorded extension of validity of EC for 3 years till 09.06.2024. FC-I accorded on 08.01.2014. FC-II yet to be obtained. ###
4	Demwe Lower	ADPL	Private	Lohit	Lohit	1750	20.11.09	R(P)	EC accorded on 12.02.2010. EC extended till 11.02.2026. FC-I accorded on 01.03.2012. FC-II accorded on 03.05.2013. However, an appeal was filed against grant of FC before the NGT on 03.05.2014. Hon'ble NGT vide its Order dated 24th October, 2017 dismissed the Forest Clearance appeal of the project and directed the Standing Committee of NBWL to reconsider the issue relating to Demwe Lower HEP and pass appropriate orders. Till such orders are passed, the forest clearance of the project stands suspended. . ####
5	Hirong	NEEPCO	Central	West Siang	Siyom	500	10.04.2013	R	EC & FC yet to be obtained by developer. Government of Arunachal Pradesh vide letter dated 09.07.201 informed CEA that allotment of Hirong HEP to M/s. JAPL was withdrawn/ cancelled vide GoAP letter dated 21.04.2021 . MOP vide letter dated 22.12.2021 indicated that Hirong HEP to be pursued by NEEPCO. Govt. of Arunachal Pradesh has approved the allotment of Hirong HEP to NEEPCO Ltd. on 13.01.2023. MoA signed on 12.08.2023.
6	Talonga Londa	GMR	Private	Dibang Valley	Kameng	225	16.08.2013	R(P)	EC accorded on 07.08.2015. FC-I & FC-II yet to be obtained. #####
7	Etalin	NHPC	Central	Dibang Valley	Dri & Tangon	3097	12.07.2013	R	EC accorded on 23.08.2025. EC transferred from SJVNL to NHPC by MoEF&CC on 22.07.2026. FC-I accorded by MoEF&CC on 20.06.2025. The proposal of transfer of FC-I in favour of NHPC was submitted on 12.06.2026 and presently with Nodal Officer (FC), Arunachal Pradesh. FC-II yet to be obtained.
8	Naying HEP	NEEPCO	Central	West Siang	Siyom	1000	11.09.2013	R	Both EC and FC are yet to be obtained. MoEF&CC, GoI, vide letter dated 13.07.2026 has shared the MoM of the 57th Meeting of the Expert Appraisal Committee. letter will be issued after FC-I. FC is in process. $
9	Kalai –II	THDCIL	Central	Anjaw	Lohit	1200	27.3.2015	R(P)	EAC meeting held in December'25 recommended for EC to the project. Final letter shall be issued after obtaining FC-I. FC yet to be obtained. MOP vide letter dated 22.12.2021 indicated Kalai-II HEP to be pursued by THDC. The Government of Arunachal Pradesh has entered into a Memorandum of Agreement (MoA) on 30th Dec'2023 with THDC INDIA Limited, to jointly undertake the development of the 1200 MW Kalai-II hydroelectric project. CEA vide letter dated 23.02.2024 accorded for transfer and revalidation of concurrence.
10	Attunli	SJVN	Central	Dibang Valley	Tangon	680	02.07.18	R(P)	EC issed by MoEF&CC on 18.09.2026. FC Stage-I clearance letter issued on 09.06.2026. FC-II is awaited. Land Acquisition under process. MOP vide letter dated 22.12.2021 indicated that Attunli HEP to be pursued by SJVNL. MoA signed on 12.08.2023. CEA vide letter dated 09.11.2023 accorded for transfer and revalidation of concurrence.
11	Kamala (Subansiri Middle)	NHPC Limited	Central	Kamle	Kamala	1720	23.05.2025	S	EC yet to be obtained by developer. FC in process. TOR issued on 07.08.2024. EIA/EMP studies are in progress.
12	Anjaw	Lohit Urja Pvt Ltd	Private	Anjaw	Lohit	270	15.10.2025	RoR	Project appraised by CEA.EC & FC yet to be obtained by developer.
12	**Total**					**14542**			

Note: All projects are in Brahamputra Basin

As per Cumulative Impact Assessment recommendations for Siang basin, parameter of Lower Siang HEP has been suggested to be altered and enhance the e-flows which has great impact on design and installation capacity of this project. The final decision on the parameters of the project and norms for e-flows needs to be taken by State Government and Government of India. Validity of Concurrence to the project expired on 16.02.2019.
MoP vide letter dated 22.12.2021 indicated that Lower Siang HEP to be pursued by NHPC.

##There is issue of habitation of Black Necked Crane in the project area. MoEF&CC informed that the report of WII on Black Necked Crane for the project is submitted to MoEF&CC and is under review.

MOP vide letter dated 22.12.2021 indicated that Tawang-I HEP to be pursued by NEEPCO. Validity of Concurrence to the project expired on 11.10.2021.

###MOP vide letter dated 22.12.2021 indicated that Tawang-II HEP to be pursued by NEEPCO. Validity of Concurrence to the project expired on 23.09.2021.

####Greenko Energies Pvt Ltd has submitted application on 19.06.2025 for transfer of concurrence . HPA Division has sought relevant documents as per CEA Guidelines on 01.07.2025. no objection for change of name of the SPV for implementation of 1750 MW Demwe Lower HEP from 'Athena Demwe Power Ltd' to 'Greenko Demwe Power Ltd' accorded by State Govt. vide letter dated 10.11.2025. The Standing Committee of NBWL in its meeting held on 07.09.2018, has allowed for commencement of construction subject to certain conditions. MoA signed with state govt on 27.05.2026

The Environmental Clearance (EC) is approved in-principle by MoEF&CC, but its formal issuance is pending for want of Stage-1 Forest Clearance, which is under process. (GOAP has been requested for necessary recommendation to MOEF&CC to grant the Forest clearance vide developer's submission dated 29.6.2020.) Subsequently, request for grant of FC- stage- 1 was made to MOEF&CC, Arunachal Pradesh by developer vide its letter dated 08th Dec'20. MOP vide letter dated 22.12.2021 indicated that Talong Londa HEP to be pursued by NEEPCO. Validity of Concurrence to the project expired on 15.08.2016.

######
MOP vide letter dated 22.12.2021 indicated that Etalin HEP tol be pursued by SJVNL. MoA signed on 12.08.2023. CEA vide letter dated 09.11.2023 accorded for transfer and revalidation of concurrence.

$- .Government of Arunachal Pradesh vide letter dated 09.07.201 informed CEA that allotment of Naying HEP to M/s. NDSCPL has been withdrawn/ cancelled vide GoAP letter dated 27.04.2021. MOP vide letter dated 22.12.2021 indicated that Naying HEP to be pursued by NEEPCO.Govt. of Arunachal Pradesh has approved the allotment of Naying HEP to NEEPCO Ltd. on 13.01.2023. MoA signed on 12.08.2023.

$$ Application for transfer of EC is under process.

Application for transfer of FC of the project was submitted to the Department of Environment and Forest, Govt. of Arunachal Pradesh on 05.06.2023.

CEA vide letter dated 12.06.2023 transferred the Concurrence of the project to NEEPCO along with revalidation of the Concurrence upto 31.05.2024. Project is subjudice in Hon'ble Guwahati High Court

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

D. H.E. Projects Under Examination

Sl. No.	Name of Project	Agency	I.C. (MW)	Sector	Type (R/S/R(P))	Month of Receipt
1	Subansiri Upper	NHPC	1605	Central	RoR	May, 2025
1	**Total**		**1605**			

E. H.E. Projects Returned to Project Authorities for re-submission after compliance of observations:

Sl. No.	Name of Project	Agency	I.C. (MW)	Sector	Type (R/S/R(P))	Month of Return/Reason of Return
1	Ranganadi St-II	NEEPCO	130	Central	R	Returned on 04/06 and NEEPCO has been asked to review the Project and resubmit DPR after cost and tariff are brought down. MOU with State Govt. yet to be signed.
2	Yamne St-II	SSYEVPL	84	Private	R	DPR returned on 05/11 due to inadequate geological investigations at dam site, diversion tunnel, surge shaft & power house etc.
3	Hutong –II	MFIPL	1200	Private	R	The DPR was returned on 5.12 as the Project is now to be developed as storage Project. Hydrology & PPS cleared on 9.5.2011 & 27.3.2012.
4	Kalai-I	MFIPL	1352	Private	R	Returned on 05/12 and STC decided that M/S MFIPL should carry out the detailed investigation for the revised DPR as per CEA's letter dt 24.5.2012.
5	Pemashelphu HEP	MHPL	90	Private	R	Returned on 02/13 due to non-replying of the comments and likely change in location of Dams benefits from the project, DPR of project has been returned.
6	Sissiri HEP	SSHPL	100	Private	S	Returned on 02/13 reason being DPR could not be accepted to detailed examination as representation of State Govt. pointed out that irrigation and drinking water component should be internal part of two project and cost of same should be included in cost of project. DPR returned to developer for sort out the issue with State Govt.
7	Gimiliang	SKI Pvt. Ltd.	80	Private	R	DPR returned on 06/13 during presentation meeting held on 03.5.2013 due to inadequate geological investigation. Developer was told to submit revised DPR after carrying out necessary investigation and IC got fixed by CEA.
8	Raigam	SKI Pvt. Ltd.	141	Private	R	DPR returned on 06/13 during presentation meeting held on 03.5.2013 due to inadequate geological investigation. Developer was told to submit revised DPR after carrying out necessary investigation and IC got fixed by CEA.
9	Kangtangshiri	KHPPL	80	Private	R(P)	Returned on 29.07.2013 due to inadequate investigation and in proper layout etc.
10	Nyukcharong Chu	SNCPCL	96	Private	R	Returned on 04/15 due to non-submission of investigation suggested by GSI.
11	Magochu	MCPCL	96	Private	R	Returned on Jan-18
12	Tagurshit	L&T Power Development Ltd	74	Private	R	Returned in 06/19.
12	**Total**		**3523**			

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

F. H.E. Projects Under Survey & Investigation:

Sl. No.	Name of Project	River	Agency for DPR	I.C. (MW)	District	Type (R/S/R(P))	Sector	Date of MOA	Target date of Preparation of DPR	Remarks
1	Demwe UpperSt-I	Lohit	Lohit Urja Pvt Ltd	270	Anjaw	R	Private	09.07.2007	12/26	
2	Niare	Subansiri	Andra Power Private Limited	909	Upper Subansiri	R	Private	02.05.2011	10/26	
3	Upper Siang Project	Siang	NHPC	11200	Upper siang	S	Central			
4	Oju Hydro-Electric Project	Subansiri	Oju Subansiri Hydro Power Corporation Pvt. Ltd.	2220	Upper Subansiri	R	Private		'10/26	
5	Kurung	Kurung	NEEPCO	292	Kra Daadi	R	Central	27.01.2015	07/26	
6	Emra-II	Emra	Athena Emra Power Private Ltd.	315	Dibang valley	R	Private		07/27	Under S&I not in CEA
6	**Total**			**15206**						

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

G. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C. (MW)	District	Remarks
1	Agoline	Dri	R	220	Dibang valley	
2	Elango	Ahi	R	128	Dibang valley	
3	Rigong	Rigong	R	85	Upper Siang	
4	Mirak	Sigong	R	78	Upper Siang	
5	Hegio	Kurung	R	320	Kra Daadi	
6	Doimukh [Dudmukh Storage]	Dikrong	R	34	Papum pare	
7	Kimi	Bichom	R	535	West Kameng	
8	Chanda	Kameng	R	115	East Kameng	
9	Milli	Kurung	R	138	Kurung Kumey	
10	Sape	Kurung	R	65	Kurung Kumey	
11	Nyepin	Payam	R	48	Kurung Kumey	
12	Hiya	Payam	R	65	Kurung Kumey	
13	Par	Dikrong	R	85	Papum Pare	
14	Tago-I	Kale	R	48	Lower Subansiri	
15	Utung	Bichom	R	76	West Kameng	
16	Tipang	Tirap	S	26	Changlang	
17	Jameri (tenga)	Tenga	R	172	West Kameng	
18	Meyong	Timkong Rong	R	32	West Kameng	
19	Gongri	Gongri	R	144	West Kameng	
20	Badao	Kameng	R	94	East Kameng	
21	Amulin	Mathun	R	212	Dibang valley	
22	Emini	Mathun	R	326	Dibang valley	
23	Mihumdon	Dri	R	226	Dibang valley	

24	Lower Yamne St-II (Yapin)	Yamne	R	74	Upper Siang	
25	Nalo	Subansiri	S	372	Upper Subansiri	
26	New Melling	Magochu	R	48	Tawang	
27	Tsa Chu-I Lower	Nykrongchu	R	145	Tawang	
28	Demwe Upper St-II	Lohit	R	210	Anjaw	
29	Demwe Upper St-III	Lohit	R	150	Anjaw	
30	Etabue	Ange Pani	R	122	Dibang Valley	•Indicated to SJVN
31	Simang I	Simang	R	32	East Siang	
32	Ithun II	Ithun	R	48	Ithun	
33	Simang- II	Simang	R	32	Simang	
34	Turu	Dikrong	R	100	Dikrong	
35	Phanchung	Pachi	R	36	Pachi	
36	Khuitam	Digen	R	62	Digen	
37	Pachuk I	Pachuk	R	95	Pachuk	
38	Pakke Bung I	Pakke bung	R	48	Pakke bung	
39	Papu Valley	Pappu	R	45	Pappu	
40	Dibbin	Bichom	R	120	Bichom	
41	Siyom (Passighat)	Siyom	R	1000	West Siang	
42	Papu	Papu	R	100	East Kameng	•initially alotted to CESC Ltd. •issue of interference of levels with the upstream project of M/s Vensar Energy Ltd i.e papu valley HEP requires to be resolved.
43	Emra-I	Emra	R	450	Dibang Valley	•Indicated to SJVN and earlier alloted to Athen Energy Ventures Pvt. Ltd . •No approach road the project site and intent to terminate by GoAP under since 25/07/2018

44	Rho	Tawang Chu	R	145	Tawang	•Initially alloted to SEW energy. •No visible progress since 2015 . Drift work pending. •letter issued to the developer to resolve isuue with CEA/CWC/GSI on 17/9/19
45	Dardu	Dikrong	R	85	Papum pare	•Initially alloted to KVk energy & infrastructure Ltd. •No activity/progress in project. Local public demanding to hand over the project to CPSU. Dikrong study not yet finalised . Interntion to trminated by GOAP is under process since10/04/18.
46	Dengser	Subansiri	R	545	Upper Subansiri	•Indicated to NHPC and earlier allloted to Coastal Infrastructure Pvt. Ltd. •Unapproachable area/ difficult & inhospitable terrain and local law & order problem
47	Yamne-I	Yamne	R	106	Upper Siang	• Indicated to NEEPCO and earlier alloted to S. S. yamne Power Pvt. Ltd. •Local law and order problem. Under process for termination since 18/05/18
48	Dinchang	Digo	R	295	West Kameng	• Indicated to NEEPCO and earlier alloted to KSK Energy Ventures Ltd.. •Project under process for termination by GOAP since 13.03.2018
49	Ithun-I	Ithun	R	76	Lower Dibang Valley	• Initially alloted to JVKIL consortium. •Non-operationalization of Hunli-Desali road. Very slow progress, hence under process for Intent to Terminate by GoAP since 19/07/2018
50	Chomi	Kurung	R	165	Kurung Kumey	•initially alloted to Adveta Power. •MoA to be renewed
51	Chela	Kurung	R	180	Kurung Kumey	•Initially alloted to Adveta Power. •MoA to be renewed

52	Para	Para	R	144	East Kameng	• Initially alloted to Coastal Projects Pvt. Ltd.. •M/s Coastal projects Ltd (Developer of Para HE Project) are in the Resolution process under NCLT. DPR would be prepared after resolution Process is completed.
53	Tidding-I	Tidding	R	82	Anjaw	• Initially alloted to Sai Krishnodaya Ind. (P) Ltd. •There is no progress in the S&I activities of project. ToR has not been obtained and there is no progress in geotechnical investiations.
54	Tidding-II	Tidding	R	70	Anjaw	• Initially alloted to Sai Krishnodaya Ind. (P) Ltd. •There is no progress in the S&I activities of project. ToR has not been obtained and there is no progress in geotechnical investiations.
55	Pango (Minnying)	Sirapatang	R	72	Upper Siang	•Initially alloted to Meenakshi Power Ltd. •Held up due to lack of infrastructure, poor communication network and remoteness of site.
56	Sippi	Ringong	R	75	Upper Siang	•Initially alloted to Meenakshi Power Ltd. •Held up due to lack of infrastructure, poor communication network and remoteness of site.
57	Jidu (Yangsang)	Yangsang	R	90	Upper Siang	•Initially alloted to Meenakshi Power Ltd. •Held up due to lack of infrastructure, poor communication network and remoteness of site.
58	Pachuk-II (Satuk)	Pachuk	R	54	Pachuk	• Initially alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.

59	Tsa Chu -II	Nykrong Chu	R	148	Nykcharong chu	• Initially alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
60	Pachuk II Lower (kapak Leyak)	Pachuk	R	62	Pakke Bung	• Initially alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
61	Marijingla	Kameng	R	38	Kameng	• Initially alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
62	Marijingla Lower	Kameng	R	44	Kameng	• Initially alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
63	Rego	Siyom	R	63	West Siang	• Initially alloted to Greenko Energies Ltd. •No progress in the S&I activities of project reported by developer.
64	Rapum	Siyom	R	60	West Siang	• Initially alloted to Greenko Energies Ltd. •No progress in the S&I activities of project reported by developer.
65	Panyor	Panyor	R	130	Lower Subansiri	• Initially alloted to Rajratan Energy Holing Pvt . Ltd. •No progress in the S&I activities of project reported by developer.
66	Lower Yamne St-I (Jaru)	Yamne	R	66	Upper Siang	• Initially alloted to Yamne Power Pvt. Ltd. •No progress in the S&I activities of project reported by developer.

67	Emra-II	Emra	R	210	Dibang valley	•Initially alloted to Athena Emra power pvt ltd •No road connectivity to project site.local issue , communication problem.Intent to terminate under process since 5/07/2018
68	Pauk	Yarjep	R	128	West Siang	•Initially alloted to Valcan energy Pvt ltd •Project held up due to land disputes between clans and law & order problem.
69	Naba	Subansiri	R	905	Upper subansri	In the meeting held on 03.03.2025, it was decided to retrun the project due to slow progress in S&I
70	Nafra	Bichom	R(P)	120	West kameng	As per HPA division - EC accorded on 19.08.2013. FC-I accorded on 12.07.2011 & FC-II accorded on 26.06.2012. Application for transfer of EC is under process. Application for transfer of FC of the project was submitted to the Department of Environment and Forest, Govt. of Arunachal Pradesh on 05.06.2023. CEA vide letter dated 12.06.2023 transferred the Concurrence of the project to NEEPCO along with revalidation of the Concurrence upto 31.05.2024. Project is subjudice in Hon'ble Guwahati High Court. NEEPCO vide letter dated 05.05.2026 to state govt. has handed over the project due to high tariff.
70	**Total**			**10719**		

Note: R –Run of the River & S- Storage

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	I.C. (MW)	District
1	Panyor	660	Lower Subansiri
1	**TOTAL**	**660**	

a. Balance Capacity

Sl. No	Name of Project	River		I.C. (MW)	Agency	District	Remarks
		Upper Reservoir	Lower Reservoir				
1	Panyor	Pit Nalah	Panyor / Ranganadi	660	Indicated by MoP to NEEPCO	Lower Subansiri	As per email dated 10.07.2026 from NEEPCO •NOC for carrying out DPR preparation works of the project received from Govt. of Arunachal Pradesh on 21.09.2022. Project was planned on existing reservoir of Lower Panyor HPS of NEEPCO as the lower reservoir. •PFR of the project completed. •Consultancy services for preparation of Detailed Project Report (DPR) was awarded on 21.04.2023. However, due to the opposition by the local population, the S&I activities had to be stopped and foreclosure notice issued on 30.08.2023
1	**TOTAL**			**660**			

Summary of Hydro Power Development in Mizoram

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		11	1926.7
Breakup of Hydro Power Potential (2017-23 study)			
A	Projects in operation	1	60
B	Balance Capacity	10	1866.7

II. Pumped Storage Projects

		Nos.	I.C. (MW)
Exploitable Hydro Power Potential from Pumped Storage Projects		3	5000
Breakup of Hydro Power Potential from Pumped Storage Projects			
a	Balance Capacity	3	5000

I. Conventional Projects

Details of Exploitable Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
1	Tuivai (Bungpuilong)	Tuival	R	140
2	Tuirial (Sonai)	Tuirial	S	60
3	Lunglang	Tyao	S	474
4	Mat	Mat	S	41.7
5	Boinu	Boinu	S	498
6	Kaldan	kaldan	S	159
7	Bhairabi	Dhaleshwari	S	50
8	Tlawng	Tlawng	S	37
9	Tuivawl	Tuivawl	R	50
10	Tuichang	Tuichang	S	57
11	Kolodyne Stage - II	Kaldan	S	360
11	**TOTAL**			**1926.7**

A. H.E. Projects in Operation:

S. No.	Utility/Stations	River	Type (R/S/R(P))	District	No. of units x Capacity (MW)	I.C. (MW)	Year of commissioning	Sector
	NEEPCO							
1	TUIRIAL	TUIRIAL	S	KOLASIB	(2X30)	60	2017	Center
1	**TOTAL MIZORAM**					**60**		

B. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C.(MW)
1	Lunglang	Tyao	S	474
2	Boinu	Boinu	S	498
3	Kaldan	Kaldan	S	159
4	Bhairabi	Dhaleshwari	S	50
5	Mat	Mat	S	41.7
6	Tlawng	Tlawng	S	37
7	Tuivawl	Tuivawl	R	50
8	Tuichang	Tuichang	S	57
9	Tuivai	Tuival	R	140
10	Kolodyne St-II	Kaldan	S	360
10	**Total**			**1866.7**

Note: R= Run of River, S=Storage & R(P)= Run of River with Pondage

II. Pumped Storage

Exploitable Hydro Power Potential from Pumped Storage Projets

Sl. No.	Name of project	I.C. (MW)	District
1	Leiva Lui	2100	Aizawl
2	Tuiphai Lui	1650	Aizawl
3	Nghasih	1250	Lunglai
3	**TOTAL**	**5000**	

a. Balance Capacity

Sl. No	Name of Project	River		I.C. (MW)	Agency	District	Remarks
		Upper Reservoir	Lower Reservoir				
1	Leiva Lui	Pharsih river	Leiva Lui river	2100	Indicated by MoP to NEEPCO	Aizawl	As per email dated 10.07.2026 from NEEPCO •NOC from Govt. of Mizoram for carrying out Preliminary Assessment, field visit and preparation of DPR for these three PSPs received on 06.12.2022. •PFR prepared by consultant M/s Tata Consulting Engineers (TCE). Cost & tariff for the projects are found to be on higher side. • Signing of MoA with the State Government shall be taken up after establishment of viability of these projects on preparation of PFR/DPR.
2	Tuiphai Lui	Tuiphai Lui river	Tuikual Lui river	1650	Indicated by MoP to NEEPCO	Aizawl	
3	Nghasih	Khawiva Lui river	Nghasih Lui river	1250	Indicated by MoP to NEEPCO	Lunglai	
3	**TOTAL**			**5000**			