Status of Large Hydro Power Development in Jammu and Kashmir

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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 active construction		5	3051.5
C	Projects on which construction is held up		1	48
D	Projects allotted by States for development			
	D-I	**DPR Prepared**		
	(i)	Projects concurred by CEA and yet to be taken up for construction#	4	3119
	(ii)	Projects returned to project authorities	1	390
	D-II	**DPR Under Preparation**		
	(i)	Projects under S&I	2	1060
	(ii)	Projects allotted for development on which S&I is held up/ yet to be taken up	1	370
E	Balance Capacity*		7	710

*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.

In addition to this ,DPR of one project namely Ujh Multipurpose Project (196 MW) is accepted by 148th meeting of Advisory Committee of DOWR, RD&GR on Irrigation, Flood Control & Multipurpose on 17.01.2022 but the PIB doesn't support proposal of Department of Water Resources, River Department and Ganga Rejuvenation in respect of Ujh Multipurpose project.

Details of Exploitable Large Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
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	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	CAPACITY (MW)	Type (R/S/R(P))	YEAR OF COMMISSIONING
	JKSPDC							
1	BAGLIHAR-I	1	(3X150)	CHENAB	RAMBAN	450	R(P)	2008
2	BAGLIHAR II	1	(3X150)	CHENAB	RAMBAN	450	R(P)	2015
3	LOWER JHELUM	1	(3X35)	JHELUM	BARAMULLAH	105	R(P)	1978-1979
4	UPPER SINDH-II	1	(3X35)	SINDH	GANDERBAL	105	R(P)	2001-2002
	TOTAL JKSPDC	**4**				**1110**		
	NHPC							
1	DULHASTI	1	(3X130)	CHENAB	KISTWAR	390	R(P)	2007
2	SALAL - I&II	1	(6X115)	CHENAB	REASI & UDAMPUR	690	R	1987-95
3	URI-I	1	(4X120)	JHELUM	BARAMULA	480	R	1996-1997
4	URI-II	1	(4X60)	JHELUM	BARAMULA	240	R	2013-14
5	SEWA-II	1	(3X40)	SEWA	MAHSKA	120	R(P)	2010-11
6	KISHENGANGA	1	(3X110)	KISHENGANGA	BANDIPORA	330	R(P)	2018
	SUB-TOTAL NHPC	**6**				**2250**		
10	**TOTAL J&K**	**10**				**3360**		

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

B. H.E. Projects Under Active Construction:

Sl.No.	Name of Project	Agency	District	I.C. (MW)	River	Basin	Type (R/S/R(P))	Likely Commissioning
1	Pakal Dul	CVPPL	Kishtwar	1000	Marusadar	Indus	S	2026-27 (Sept'26)
2	Parnai	JKSPDC	Poonch	37.5	Suran	Indus	R	2024-25 (Jun'24)
3	Kiru	CVPPL	Kishtwar	624	Chenab	Indus	R	2025-26 (Mar'26)
4	Ratle	RHEPPL / NHPC	Kishtwar	850.00	Chenab	Indus	R(P)	2025-26 (Feb'26)
5	Kwar	CVPPL	Kishtwar	540.00	Chenab	Indus	R(P)	2026-27 (Nov'26)
5	**Total**			**3051.5**				

C. H.E. Projects on which Construction is held up:

Sl.No.	Name of Project	Agency	District	I.C. (MW)	River	Basin	Type (R/S/R(P))	Status & Likely Commissioning
1	Lower Kalnai	JKSPDC	Kishtwar	48	Kalnai	Indus	R	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. *
1	**Total**			**48**				

* The Project is presently stalled.Commissioning is subject to restart of works

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

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))	Status
1	New Ganderwal	JKSPC	Sindh Nallah	Ganderwal	93	10.06.14	R(P)	EC accorded on 27.9.13 & FC accorded on 02.04.2012.. #
2	Kirthai-II	CVPPL	Chenab	Kishtwar	930	14.06.2019	R(P)	EC recommended by MoEF&CC on 15.04.2021. FC yet to be obtained by developer.. ###
3	Sawalkote	NHPC	Chenab	Ramban & Udhampur	1856	18.04.18	R(P)	EC recommended by EAC in its meeting dated 31.01.2017. Formal letter will be issued after FC-I. (MoEF&CC delisted EC for the project on 04.08.2017 and further relisted on 24.01.2022). FC yet to be obtained. ####
4	Uri-I Stage-II HE Project	NHPC	Jhelum	Baramula	240	16.02.2023	R	EC & FC yet to be obtained by developer
4	**Total**				**3119**			

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

Survey under process. The projet 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. CEA vide letter dated 29.08.2022 extended the validity of appraisal upto 13.06.2024.

####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.

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

E. 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))	Month of Return
1	Kirthai -I	JKSPDC	390	R(P)	Jul'21
1	**Total**		**390**		

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

Sl. No.	Name of Project	Basin/River	Agency for DPR	District	I.C. (MW)	Type (R/S/R(P))	Date of MoA	Target date pf preparation of DPR
1	Dulhasti St-II	Indus/ Chenab	NHPC	Kishtwar	260	R	03.01.2021	10/23
2	Bursar	Indus/ Marusudar	NHPC	Kishtwar	800	S		
2	**Total**				**1060**			

G. H.E. Projects allotted for development on which Survey & Investigation is held up/ yet to be taken up:

Sl. No.	Project	I. C. (MW)	Agency	District	Date of Allotment/ MoA	Status
1	Shamnot	370	NHPC	Doda	-	S&I held up as the project will submerge National Highway.
1	**Total**	**370**				

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

H. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C. (MW)	District
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
7	**Total**			**710**	

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

Status of Large Hydro Power Development in Ladakh

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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 allotted by States for development			
	B-I	**DPR Under Preparation**		
	(i)	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.

Details of Exploitable Large Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
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/BASIN*	DISTRICT	Type (R/S/R(P))	CAPACITY (MW)	YEAR OF COMMISSIONING
	NHPC							
1	CHUTAK	1	(4X11)	SURU/INDUS	KARGIL	R	44	2012-13
2	NIMOO BAZGO	1	(3X15)	INDUS	LEH	R(P)	45	2013
	SUB-TOTAL NHPC	**2**					**89**	
	TOTAL LADAKH	**2**					**89**	

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

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

C. Balance Capacity

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

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

Status of Large Hydro Power Development in Himachal Pradesh

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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		29	10263
B	Projects under active construction		9	2446
C	Projects on which construction is held up		1	44
D	Projects allotted by States for development			
	D-I	**DPR Prepared**		
	(i)	Projects concurred by CEA and yet to be taken up for construction	4	937
	(ii)	Projects returned to project authorities	1	400
	D-II	**DPR Under Preparation**		
	(i)	Projects under S&I	6	1584
	(ii)	Projects allotted for development on which S&I is held up/ yet to be taken up	5	2260
E	Balance Capacity*		17	1037

*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.

Details of Exploitable Large Hydro Power Projects

S.no	Name	River	Type	IC (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	66
34	Tindong-I	Tidong	R	150
35	Shongtong Kharcham	Satluj	R	450
36	Luhri St-I (Luhri)	satluj	R	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 STNS.	NO. OF UNITS	NO. OF UNITS X CAPACITY (MW)	RIVER/ /BASIN*	DISTRICT	CAPACITY (MW)	Type (R/S/R(P))	YEAR OF COMMISSIONING
	CENTRAL SECTOR								
	BBMB								
1	BHAKRA LEFT	1	5	(1X108+ 4x126)	SUTLEJ	BILASPUR	612	S	1960-1961
2	BHAKRA RIGHT	1	5	(5X157)	SUTLEJ	BILASPUR	785	S	1966-1968
3	DEHAR	1	6	(6X165)	BEAS	MANDI	990	R(P)	1977-1983
4	PONG	1	6	(6X66)	BEAS	KANGRA	396	S	1978-1983
	SUB-TOTAL BBMB	**4**	**22**				**2783**		
	NHPC								
5	BAIRA SIUL	1	3	(3X60)	SIUL	CHAMBA	180	R(P)	1980-1981
6	CHAMERA- I	1	3	(3X180)	RAVI	Type (R/S/R(P))	540	S	1994
7	CHAMERA- II	1	3	(3X100)	RAVI	CHAMBA	300	R(P)	2003-2004
8	CHAMERA- III	1	3	(3X77)	RAVI	CHAMBA	231	R(P)	2012
9	PARBATI-III	1	4	(4X130)	SAINJ	KULLU	520	R(P)	2014
	SUB-TOTAL NHPC	**5**	**16**				**1771**		
	SJVNL								
10	NATHPA JHAKRI	1	6	(6X250)	SATLUJ	SHIMLA	1500	R(P)	2003-2004
11	RAMPUR	1	6	(6X68.67)	SATLUJ	SHIMLA	412	R	2014-15
	SUB-TOTAL SJVNL	**2**	**12**				**1912**		
	NTPC LTD.								
12	KOLDAM	1	4	(4X200)	SATLUJ	BILASPUR	800	S	2015
	SUB-TOTAL NTPC LTD.	**1**	**4**				**800**		
	TOTAL CENTRAL SECTOR	**12**	**54**				**7266**		
	STATE SECTOR								
	HPSEBL								
13	BASSI	1	4	(4X16.5)	UHL	MANDI	66	R(P)	1970-1981
14	GIRI BATA *	1	2	(2X30)	GIRI	SIRMAUR	60	R(P)	1978
15	LARJI	1	3	(3X42)	BEAS	KULLU	126	R(P)	2006
16	SANJAY	1	3	(3X40)	Bhabha Khad	KINNAUR	120	R(P)	1989
	TOTAL HPSEBL	**4**	**12**				**372**		
	HPPCL								
17	INTEGRATED KASHANG	1	3	(3X65)	Kashang/Kirankhar	KINNAUR	195	R (P)	2016-17
18	SAINJ	1	2	(2X50)	SAINJ	KULLU	100	R(P)	2017

19	SWARA KUDDU	1	3	(3X37)	Pabbar/Tons/ Yamuna	SHIMLA	111	R	2020
	TOTAL HPPCL	**3**	**8**				**406**		
	PSPCL								
20	SHANAN (Uhl at Joginder Nagar)	1	5	(1X50)+ (4X15)	UHL & Lamba Dug River	MANDI	110	R(P)	1932-1982
	TOTAL PSPCL	**1**	**5**				**110**		
	TOTAL STATE SECTOR	**8**	**25**				**888**		
	PRIVATE SECTOR								
	MPCL								
21	MALANA	1	2	(2X43)	MALANA	KULLU	86	R(P)	2001
	TOTAL MPCL	**1**	**2**				**86**		
	GBHPPL								
22	BUDHIL	1	2	(2X35)	BUDHIL	CHAMBA	70	R(P)	2012
	TOTAL GBHPPL	**1**	**2**				**70**		
	EPPL								
23	MALANA-II	1	2	(2X50)	MALANA	KULLU	100	R(P)	2011-12
	TOTAL EPPL	**1**	**2**				**100**		
	IA ENERGY								
24	CHANJU-I	1	3	(3X12)	Chanju nallah	CHAMBA	36	R(P)	2017
	TOTAL IA ENERGY	**1**	**3**				**36**		
25	ALLAIN DUHANGAN	1	2	(2X96)	ALLAIN NALLAH		192	R(P)	2010-11
	TOTAL ADHPL	**1**	**2**				**192**		
	HBPCL								
26	BASPA	1	3	(3X100)	BASPA	KINNAUR	300	R(P)	2003
27	KARCHAM WANGTOO	1	4	(4X261.25)	SATLAJ	KINNAUR	1045	R(P)	2011 (1000 MW)
	TOTAL JSWHEL	**2**	**7**				**1345**		
	HSPPL								
28	Sorang	1	2	2x50	Sorang	Kinnaur	100	R	2021 (100 MW)
	GMR BAJOLI HOLI HYDRO POWER PVT. LTD.								
29	Bajoli Holi	1	3	3x60	Ravi	CHAMBA	180	R	2022
	TOTAL PVT	**9**	**23**				**2109**		
29	**TOTAL HP**	**29**	**102**				**10263**		

***** 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 Active Construction:

Sl. No.	Name of Project	Agency	District	River	Basin	I.C. (MW)	Type (R/S/R(P))	Likely Commissioning
1	Parbati St--II	NHPC	Kullu	Parbati/Beas	Indus	800	R	2024-25 (June'24)
2	Uhl- III	Beas Valley Power Corp. Ltd. (BVPC)	Mandi	Rana & Nerikhar	Indus	100	R	2024-25 (Dec'24)
3	Tidong-I	M/s NSL Tidong	Kinnaur	Tidong	Indus	150	R	2024-245 (June'24)
4	Shontong Karcham	HPPCL	Kinnaur	Satluj	Indus	450	R	2026-27 (Nov'26)
5	Kutehr	JSW Energy (Kutehr) Power Ltd. (JSWEPL)	Chamba	Ravi	Indus	240	R	2025-26 (Nov'25)
6	Luhri St.I	SJVNL	Shimla/Kullu	Satluj	Indus	210	R	2025-26 (Jan'26)
7	Dhaulasidh	SJVNL	Hamirpur/ Kangra	Beas	Indus	66	R	2025-26 (Nov'25)
8	Sunni Dam	SJVNL	Shimla/Mandi	Satluj	Indus	382	R(P)	2027-28 (March'28)
9	Chanju-III	HPPCL	Chamba	Chanju Nallah	Indus	48.00	R	2027-28 (June'27)
9	**Total**					**2446**		

C. H.E. Projects on which Construction is held up:

Sl. No.	Name of Project	Agency	District	River	Basin	I.C. (MW)	Type (R/S/R(P))	Status & Likely Commissioning
1	Tangu Romai	Tangu Romai Power Generation	Shimla	Pabar	Ganga	44	R	Works are on hold since Aug 2016 due to fund constraints with developer. *
1	**Total**					**44**		

*** The Project is presently stalled.Commissioning is subject to restart of works**

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

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))	Status
1	Miyar	NTPC	Miyar Nallah	Lahul & Spiti	120	07.02.2013	R(P)	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)	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	EAC in its meeting dated 27.11.2018 has recommended Environmental Clearance (EC) to MoEF&CC subject to condition of Stage-I FC and adherance to the condition of Cumulative EIA study of Beas Basisn . FC yet to be obtained.####
4	Dugar	NHPC	Chenab	Chamba	500	26.04.22	R(P)	EC recommended by EAC on 06.09.2022. FC yet to be obtained
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

CAT Plan has been approved by Government of Himachal Pradesh on 03.01.2019. Forest Case has been recommended by State Govt. for further submission to MoEF&CC, New Delhi.

Social Impact Assessment (SIA) study for acquisition of Private land has been completed and approved from GoHP vide notofication dated 16.12.2020.

Financial tie-up under process. Land Aquisition shall be processed after achieving financial closure. HPPCL exploring possibility of funding from ADB, PFC and other commercial banks.

E. 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))	Month of Return
	Ravi Basin				
1	Seli	SHPCL	400	R(P)	May-19
1	**Total**		**400**		

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	Basin*/River	Agency for DPR	I.C. (MW)	District	Type (R/S/R(P))	Date of MoA	Target date of Preparation of DPR
1	Luhri St.-II	Satluj	SJVNL	172	Mandi & Kullu	R	25.09.2019	09/24
2	Purthi	Chenab	SJVNL	234	Lahaul & Spiti	R	25.09.2019	12/24
3	Bardang	Chenab	SJVNL	166	Lahaul & Spiti	R	25.09.2019	03/24
4	Sach khas	Sarchu	SJVNL	288	Chamba	R	05.01.21	07/24
5	Tandi Rashil HEP	Chenab	SJVN Ltd.	268	Lahaul & Spiti	R	30.09.2022	03/25
6	Reoli Dugli HEP	Chenab	SJVN Ltd.	456	Lahaul & Spiti	R	18.03.2021	12/23
6	**Total**			**1584**				

* All projects are in Indus Basin

G. H.E. Projects allotted for development on which Survey & Investigation is held up/ yet to be taken up:

Sl. No.	Project	I.C. (MW)	Agency	Date of Allotment/ MoA	District	Status
	Satluj Basin					
1	Khab	636	HPPCL	22.09.2009	Kinnaur	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.
2	Tidong-II	60	Tidong Hydro Power Ltd.	20.01.2012	Kinnaur	S&I is held up due to local public agitation & there is no progress in the S&I activities of the project for a long time.
3	Jangi Thopan Powari	804	SJVN Ltd.	25.09.2019	Kinnaur	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
	Sub Total	**1500**				
	Chenab Basin					
4	Gyspa Dam	300	HPPCL	22.09.2009	Lahaul & Spiti	S&I held up due to sustained opposition from local people.
	Sub Total	**300**				
	Beas Basin					
5	Nakhtan (Parbati-I)	460	HPPCL	22.09.2009	Kullu	Request of HPPCL for monitoring of Nakthan HEP to be put on hold received on 31.12.18 on account of CEIA study of Beas Basin & Hearing of court case on regular basis.
	Sub-Total	**460**				
5	**Total**	**2260**				

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

H. Balance Capacity

Sl.No.	Name of Project	River	Type	I.C. (MW)	Reamrks
1	Kashang Stage-IV (Taiti-I)	Chenab	R	48	
2	Baroti	Siul	S	30	
3	Chhota Dara	Chandra	R	52	
4	Shangling (Khoskar)	Chandra	R	35	
5	Telling (Railing)	Chandra	S	65	
6	Kulu	Beas	R	52	
7	Sainj-I	Sainj	R	68	
8	Yangthang Khab	Spiti	R	158	
9	Lujai	Lujai Nallah	R	49	
10	Renukaji Dam	Giri	S	40	
11	Triveni Mahadev	Beas	R	50	
12	Baggi	Beas	R	42	
13	Deothal Chanju	Chanju Nallah	R	30	
14	Sugani Sundla	Suil	R	48	
15	Chango Yangthang	Spiti	R	180	
16	Sumte Khotang	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	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.
17	**Total**			**1037**	

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

Status of Large Hydro Power Development in Punjab

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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)			
I	Projects in operation	9	1096.3
II	Projects under active construction	1	206

Details of Exploitable Large Hydro Power Projects				
S.no	**Name**	**River**	**Type**	**Installed Capacity**
1	Ranjit Sagar Dam (Thein)	Ravi	S	600
2	Shahpurkhandi (Shahpur)	Ravi	R	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))	YEAR OF COMMISSIONING
	PSPCL							
1	ANANDPUR SAHIB-I	1	(2X33.5)	AHC (CANAL)	RUPNAGAR	67	R	1985
2	ANANDPUR SAHIB-II	1	(2X33.5)	AHC (CANAL)	RUPNAGAR	67	R	1985
3	MUKERIAN-I	1	(3X15)	TAIL WATER OF PONG DAM	HOSHIARPUR	45	R	1983
4	MUKERIAN-II	1	(3X15)	TAIL WATER OF PONG DAM	HOSHIARPUR	45	R	1988-89
5	MUKERIAN-III	1	(3X19.5)	TAIL WATER OF PONG DAM	HOSHIARPUR	58.5	R	1989
6	MUKERIAN-IV	1	(3X19.5)	TAIL WATER OF PONG DAM	HOSHIARPUR	58.5	R	1989
7	RANJIT SAGAR	1	(4X150)	Reservoir on River Ravi	PATHANKOT	600	S	2000
	TOTAL PSPCL	**7**				**941**		
	BBMB							
8	GANGUWAL	1	(2X24.2)+ (1X29.25)	SATLUJ	RUPNAGAR	Type (R/S/R(P))	R	1955-1962
9	KOTLA	1	(2X24.2)+ (1X29.25)	SATLUJ	RUPNAGAR	77.65	R	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 active Construction:

Sl. No.	Name of Project	Implementing Agency	District	River /Basin	I. C. (MW)	Type (R/S/R(P))	Likely Commissioning
1	Shahpurkandi	Irr. Deptt. & PSPCL	Gurdaspur	Ravi /Indus	206	R	2025-26 (Oct.'25)
1	**Total**				**206**		

Status of Large Hydro Power Development in Haryana

I. Conventional Projects

		Nos.	Capacity (MW)	River	Type
Exploitable Large Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		-	-	-	-

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

Status of Large Hydro Power Development in Rajasthan

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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	411

II. Pumped Storage Projects

		Nos.	Capacity (MW)
A	Projects Under S&I	3	5560

Details of Exploitable Large Hydro Power Projects

S.No.	Name	River	Type	IC
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))	YEAR OF COMMISSIONING
1	JAWAHAR SAGAR	1	(3X33)	CHAMBAL	GANGA	BUNDI	99	R(P)	1972-1973
2	R P SAGAR	1	(4X43)	CHAMBAL	GANGA	CHITTORGARH	172	S	1968
3	Mahi Bajaj-I	1	2	Mahi	CIR	BANSWARA	50.00	MP	1986 (50 MW)
4	Mahi Bajaj-II	1	2	Mahi	CIR	BANSWARA	90.00	R(P)	1989 (90 MW)
4							**411**		

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

B. Pumped Storage:

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Sukhpura Off-Stream	7x320 + 2x160	2560	UR &LR-Off stream, Both Upper Reservoir & Lower Reservoirs are to be contructed	•Under S&I •Target date for preparation of DPR – 11/2023 •Agency- Greenco •Date of MOA-24.01.2023
2	Shahpur	5x300 +2x150	1800	Upper Reservoir &Lower Reservoir -off stream	•Under S&I •Target date of preparation of DPR- 12/2023 •Agency-Greenko •Date of MOA-18.12.2021
3	Sirohi	3x400	1200	Upper Reservoir- off stream Lower Reservoir- located across a minor rivulet draining into Sili Nallah, a tributary of Sipu river in West Banas river basin	• Under S&I •Target date of preparation of DPR- 11/23 • Agency- JSW Energy •Date of MOA-24.01.2022 (acknowledgment letter to LOI)

Status of Large Hydro Power Development in Uttarakhand

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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		18	3975.35
B	Projects under active construction		4	1324
C	Projects on which construction is held up		2	247
D	Projects allotted by States for development			
	D-I	**DPR Prepared**		
	(i)	Projects concurred by CEA/State Govt. #	3	815
	(ii)	Projects returned to project authorities	7	939
	D-II	**DPR Under Preparation**		
	(i)	Projects under S&I	2	732
	(ii)	Projects allotted for development on which S&I is held up/ yet to be taken up	4	628
E	Balance Capacity*		15	2979

*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.

#In addition to above,for 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

II. Pumped Storage Projects

		Nos.	Capacity (MW)
A	Under Active Construction	1	1000

Details of Exploitable Large Hydro Power Projects				
S No.	**Name of the Project**	**River**	**Type**	**IC(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	520
22	Vishnu Gad Pipalkoti	Alaknanda	R	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)	Tons	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
	TOTAL			**13481.35**

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))	YEAR OF COMMISSIONING
	CENTRAL SECTOR							
	NHPC							
1	DHAULI GANGA	1	(4X70)	DHAULIGANGA	PITHORAGARH	280	R(P)	2005
2	TANAKPUR	1	(3X31.4)	SARDA	CHAMPAVAT	94.2	R	1992
	SUB-TOTAL NHPC	**2**				**374.2**		
	THDC							
3	TEHRI ST-I	1	(4X250)	BHAGIRATHI	TEHRI GARHWAL	1000	S	2006-2007
4	KOTESHWAR	1	(4X100)	BHAGIRATHI	TEHRI GARHWAL	400	R(P)	2010-12
	TOTAL THDC	**2**				**1400**		
	SUB TOTAL CENTRAL	**4**				**1774.2**		
	STATE SECTOR							
	UJVNL							
5	CHIBRO (YAMUNA)	1	(4X60)	Tons River at Ichari Dam	DEHRADUN	240	R(P)	1975-1976
6	CHILLA	1	(4X36)	GANGA	HARIDWAR	144	R	1980-1981
7	DHAKRANI	1	(3X11.25)	Tons & Yamuna Rivers at Dakpathar Barrage	DEHRADUN	33.75	R	1965-1970
8	DHALIPUR	1	(3X17)	Tons & Yamuna Rivers at Dakpathar Barrage	DEHRADUN	51	R	1965-1970
9	KHATIMA	1	(3X13.8)	SHARDA	UDHAM SINGH NAGAR	41.4	R	1955-1956
10	KHODRI	1	(4X30)	TONS	DAK PATHAR	120	R(P)	1984
11	KULHAL	1	(3X10)	TONS	DEHRADUN	30	R	1975
12	MANERI BHALI- I	1	(3X30)	BHAGIRATHI	UTTARKASHI	90	R(P)	1984
13	MANERI BHALI- II	1	(4X76)	BHAGIRATHI	UTTARKASHI	304	R(P)	2008
14	RAMGANGA [RAMGANGA DAM (KALAGARH)]	1	(3X66)	RAMGANGA	PAURI GARHWAL	198	S	1975-1977
15	VYASI	1	(2x60)	YAMUNA/GANGA	DEHRADUN	120	R(P)	2022
	TOTAL UJVNL	**11**				**1372.15**		
	PRIVATE							
	AHPC							
16	SHRINAGAR	1	(4X82.50)	ALAKNANDA	TRHRI & PAURI	330	R(P)	2015
	JPPVL							
17	VISHNU PRAYAG	1	(4X100)	ALAKNANDA		400	R	2006
	ReNew Power							
18	SINGOLI BHATWARI	1	(3X33)			99	R	2020
	SUB TOTAL PRIVATE	**3**				**829**		
18	**TOTAL UTTARAKHAND**	**18**				**3975.35**		

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 active Construction:

Sl. No.	Name of Project	Agency	District	I.C. (MW)	River	Basin	Type (R/S/R(P)/MPP)	Likely Commissioning
1	Vishnugad Pipalkoti	THDC	Chamoli	444	Alaknanada	Ganga	R	2026-27 (Jun'26)
2	Naitwar Mori	SJVNL	Uttarkashi	60	Tons/ Yamuna	Ganga	R(P)	2023-24 (Oct'23)
3	Tapovan Vishnugad	NTPC	Chamoli	520	Dhauliganga	Ganga	R	2025-26 (Dec'25)
4	Lakhwar MPP	UJVNL	Dehradun & Tehri Garhwal	300	Yamuna	Ganga	MPP	2028-29 (Oct'28)
4	**Total**			**1324**				

Note : In addition to above, one pumped storage project, namely Tehri (4x250 = 1000 MW) is under active construction and is likely to be commissioned by 2024-25 (Sept 24)

##Trial run of Unit-2 and Unit-1 completed during April'22 and May'22 respectively.

C. H.E. Projects on which Construction is held up:

Sl. No.	Name of Project	Agency	District	I.C. (MW)	River	Type (R/S/R(P))	Type (R/S/R(P))	Status & Likely Commissioning
1	Lata Tapovan	NTPC	Chamoli	171	Dhauliganga	Ganga	R	Infrastructure works almost completed. As per Hon'ble Supreme Court vide its order dated 07.05.2014 stayed the construction of 24 Hydro projects in Uttrakhand including Lata Tapovan HEPP. According all construction activities stopped since 08.05.14. Main works to re-start after clearance from Hon'ble Supreme Court. *
2	Phata Byung	LANCO	Rudraprayag	76	Mandakini	Ganga	R	Works stalled since July, 2017 due to Financial crunch with the contractor / developer.The company is undergoing a corporate insolvency resolution process initiated under IBC for resolution and revival of the project since June 2020. Under this process, the resolution professional appointed by the NCLT initiated the process for inviting prospective investors for the project. On 25.02.2022, the CoC approved the Final Statkraft IH Holding AS Resolution Plan by a majority of 100%. The Resolution Professional has filed for approval of the resolution Plan Application before the Hon'ble NCLT. Once the Resolution Plan is approved by the NCLT, the successful Resolution Applicant will take over the company and revive the project. *
2	**Total**			**247**				

*** The Project is presently stalled.Commissioning is subject to restart of works**

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

D. 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))	Status
1	Kotlibhel St-IA	Bhagirathi	NHPC	Tehri Garhwal	195	R	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	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	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

E. 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	150	Jan-23
7	**Total**					**939**	

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	Basin/River	I.C. (MW)	Agency	District	Type (R/S/R(P))	Date of MOA	Target date of preparation of DPR
1	Kishau MPP	Ganga/Tone	660	UJVNL	Dehradun	MPP		
2	Arakot -Tiuni HEP	Tons	72	UJVNL	Uttarkashi	R	_._.2003	06/24
2	**Total**		**732**					

G. H.E. Projects allotted for development on which Survey & Investigation is held up/ yet to be taken up:

Sl. No.	Project	River	I. C. (MW)	Agency	District	Date of Allotment/ MoA	Status
1	Chhunger - Chal	Dhauliganga	120	NHPC	Pithoragarh	21.11.2005	S&I 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.
2	Devsari	Pinder	194	SJVN Ltd.	Chamoli	Nov., 2005	Pre-DPR Chapters returned after there is no progress in the S&I activities by the developer
3	Sela Urthing	Dhauliganga	114	UJVNL	Pithoragarh	09.12.2004	S&I held up due to MOJS is not in favour of consutruction of any other HEP in Ganga Basin
4	Bokang Bailing	Dhauliganga	200	THDC	Pithoragarh	Type (R/S/R(P))	S&I held up due to MOJS is not in favour of consutruction of any other HEP in Ganga Basin
4	**Total**		**628**				

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

H. 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	140	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.
15	**Total**			**2979**		

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

I. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Tehri St.-II	4x250	1000	Upper Reservoir-Existing Tehri Dam Lower reservoir-Exisitng Koteshwar Dam	•Under Active Construction •Likely commissioning by 2024-25(Sept'24)

Status of Large Hydro Power Development in Uttar Pradesh

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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.	Capacity (MW)
A	Under S&I	2	5340

Details of Exploitable Large Hydro Power Projects

S.No	Name	River	Type	Installed Capacity
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. H.E. 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))	YEAR OF COMMISSIONING
1	KHARA	1	(3X24)	YAMUNA LINK CHANNEL	SUNEBHADRA	72	R(P)	1992
2	MATATILLA	1	(3X10.2)	BETWA	LALITPUR	30.6	S	1965
3	OBRA	1	(3X33)	RIHAND	SUNEBHADRA	99	S	1970-1971
4	RIHAND	1	(6X50)	Rihand	SINGRAULI	300	S	1961-1965
4	**TOTAL UPJVNL**	**4**				**501.6**		

B. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Kandhaura	5x280+2x140	1680	Upper Reservoir & Lower Reservoir- both off stream	• Under S&I • Target date of preparation of DPR- 12/23 • Agency-JSW Energy •Date of MOA-25.11.2022
2	UP01	11x305+2x152.5	3660	Upper Reservoir & Lower Reservoir- both off stream	• Under S&I • Target date of preparation of DPR- 02/24 • Agency-Greenko •Date of MOA-01.02.2023

Status of Large Hydro Power Development in Madhya Pradesh

I. Conventional Projects

		Nos.	Capacity (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	Projects on which construction is held up	1	400
C	Balance Capacity*	4	184

II. Pumped Storage Projects

		Nos.	Capacity (MW)
A	Under S&I	3	3245

Details of Exploitable Large 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))	Year of commissioning
	NHDC								
1	INDIRA SAGAR	1	(8X125)	NARMADA	CIR	KHANDWA	1000	S	2004-2005
2	OMKARESHWAR	1	(8X65)	NARMADA	CIR	KHANDWA	520	S	2007
	SUB-TOTAL NHDC	**2**					**1520**		
	TOTAL CENTRAL	**2**					**1520**		
	MPPGCL								
3	BANSAGAR TONS-I	1	(3X105)	TONS	GANGA	SATNA	315	R(P)	1991-1992
4	BANSAGAR TONS-III	1	(2X15)	SONE	GANGA	SATNA	30	R	2000-2002
5	BANSAGAR TONS-II	1	(3X20)	SONE	GANGA	REWA	60	S	2002
6	BARGI	1	(2X45)	NARMADA	CIR	JABALPUR	90	S	1988
7	GANDHI SAGAR	1	(5X23)	CHAMBAL	GANGA	MANDSAUR	115	S	1960-1966
8	MADHIKHERA	1	(3X20)	KALI SINDH	GANGA	SHIVPURI	60	S	2006-2007
9	RAJGHAT	1	(3X15)	BETWA	GANGA	ASHOK NAGAR	45	S	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. H.E. Projects on which Construction is held up:

Sl. No.	Name of Project	I. C. (MW)	District	River	Basin	Agency	Type (R/S/R(P))	Status & Likely Commissioning
1	Maheshwar (Pvt.)	400	Khargone & Khandwa	Narmada	CIR	SMHPCL	R	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.
1	**Total**	**400**						

*** The Project is presently stalled.Commissioning is subject to restart of works**

C. Balance Capacity

S.No.	Name of Project	River	Type	I.C. (MW)	District
1	Burhner	Burhner	S	26	Mandla
2	Basania	Narmada	S	56	Mandla
3	Hoshangabad (Jahanpur)	Narmada	R	58	Hoshangabad
4	Bauras	Narmada	R	44	Raisen
4	**Total**			**184**	

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

D. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Indira Sagar	6x80+1x45	525	Upper reservoir-ISP reservoir ,Lower Reservoir-Omkareshwar reservoir	•Under S&I •Agency-NHDC •Target date of DPR preparation-12/25 •Date of MOA-07.06.2023
2	MP30 Gandhi Sagar	7x240+2x120	1920	Upper Reservoir is proposed off the river Lower Reservoir is exisiting on Gandhi Sagar which is on Chambal river	•Under S&I •Target date of DPR preparation-09/23 •Agency-Greenko •Date of MOA-13.10.2021
3	Tekwa-2	4x200	800	Upper Reservoir & Lower Reservoir-both off stream	•Under S&I • Agency-NHDC • Target date of preparation of DPR- 12/25

Status of Large Hydro Power Development in Chhattisgarh

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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

Details of Exploitable Large 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)	River /Basin	District	I.C. (MW)	Type (R/S/R(P))	Year of commissioning
	CSPGCL							
1	HASDEO BANGO	1	(3X40)	HASDEO/ CIR	KORBA	120	S	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

Status of Large Hydro Power Development in Gujarat

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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.	Capacity (MW)
A	In Operation	2	1440

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.

Details of Exploitable Large Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
1	Ukai	Tapti	S	300
2	Sardar Sarovar CHPH	Narmada	R(P)	250
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))	Year of commissioning
	GSECL							
1	UKAI	1	(4X75)	TAPI	TAPI	300	S	1974-1976
	SUB-TOTAL GSECL	**1**				**300**		
	SSNNL							
2	SARDAR SAROVAR CHPH	1	(5X50)	NARMADA	NARMADA	250	R(P)	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

B. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Kadana	4x60	240	Mahi	In Operation (Presently not working in Pumping Mode)
2	Sardar Sarovar Project	6x200	1200	Narmada	In Operation (Presently not working in Pumping Mode)

Status of Large Hydro Power Development in Maharashtra

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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.	Capacity (MW)
A	In Operation	2	400
B	Construction Held Up	1	80
C	Under S&I	9	13600

Details of Exploitable Large Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
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))	Year of commissioning
	MAHAGENCO								
1	BHIRA TAIL RACE	1	(2X40)	KUNDALIKA	WFR	RAIGAD	80	R(P)	1987-1988
2	KOYNA DPH	1	(2X18)	KOYNA	EFR	SATARA	36	S	1980-1981
3	KOYNA-I&II	1	(4X70)+ (4X80)	KOYNA	EFR	PATAN	600	S	1962-1967
4	KOYNA-III	1	(4X80)	Water let out through ulestward units (St-I,II & IV)	EFR	RATNAGIRI	320	R(P)	1975-1978
5	KOYNA-IV	1	(4X250)	KOYNA	EFR	SATARA	1000	S	1999-2000
6	TILLARI	1	(1X60)	TILLARI	WFR	KOLHAPUR	60	R(P)	1986
7	VAITARNA	1	(1X60)	VAITARNA	WFR	NASIK	60	S	1976
	SUB-TOTAL MAHAGENCO	**7**					**2156**		
	MPPGCL								
8	PENCH	1	(2X80)	PENCH	EFR	CHINDWARA	160	S	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		34	R(P)	1996
	SUB-TOTAL DLHP	**1**					**34**		
	TATA POWER COMPANY (PVT.)								
10	BHIRA	1	(6X25)	NEELA & MULA	EFR	RAIGAD	150	S	1927-1949
11	BHIVPURI	1	(3X24) + (2X1.5)	ANDHRA	EFR	RAIGAD	75	S	1997-1999
12	KHOPOLI	1	(3X24)	INDRAYANI	EFR	RAIGAD	72	S	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

C. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Bhira	1x150	150	Upper reservoir-Mulshi Lake Lower reservoir-Mulla River	In Operation
2	Ghatgar	2x125	250	Upper reservoir-Pravara River Lower reservoir-Shahi Nalla	In Operation
3	Koyna Left Bank	2x40	80	Koyna	•Construction Held Up •Likely commissioning by 2027-28
4	Patgaon	6x300+2x150	2100	Upper Reservoir is proposed on existing Patgaon reservoir Lower Reservoir is to be constructed on tributary of Karli river	•Under S&I •Target date for preparation of DPR – 12/2023 •Agency-Adani Green Energy Ltd. •Date of MOA-28.06.2022
5	Warasgaon	4x300	1200	Upper Reservoir is proposed on Mose river Lower Reservoir is proposed on Kal river	•Under S&I •Target date for preparation of DPR – 05/24 •Agency-WRD, Maharashtra

6	Bhavali	6x250	1500	Upper reservoir-to be constructed downstream of Bhavali Dam Lower Reservoir--to be constructed on Ulhas river	•Under S&I •Target date of Preparation of DPR- 12/23 •Agency-JSW Energy •Date of MOA-14.09.2021
7	Tarali	5x300	1500	Upper Reservoir is proposed Offstream Lower Reservoir is on existing Tarali reservoir	•Under S&I •Target date of DPR preparation-04/24 •Agency-Adani Green Energy Ltd. •Date of MOA-28.06.2022
8	Shirwata	5x300 +2x150	1800	Upper Reservoir is off stream Lower Reservoir is on existing Shirawata reservoir	•Under S&I •Agency-TATA power •Target date of preparation of DPR- 06/24 •Date of MOA-08.08.2023
9	Bhivpuri	4x200 +2x100	1000	Upper Reservoir is on existing Thokerwadi reservoir Lower Reservoir is offstream.	•Under S&I •Agency-TATA power •Target date of preparation of DPR- 06/24 •Date of MOA-08.08.2023
10	Pane	5x250+2x150	1500	Upper Reservoir-Offstream Lower Reservoir-connected to a small stream which joins the downstream Kal river	• Under S&I •Target date of preparation of DPR- 6/24 •Agency- JSW Energy •Date of MOA-29.09.2022
11	Malshej Ghat Bhorande	6 x 250	1500	Upper Reservoir on Minor nallah draining into Kukadi river Lower Reservoir-on Minor nallah draining Into Kalu river	•Under S&I • Target date of preparation of DPR- 05/24 • Agency-Adani Green Energy Ltd. •Date of MoA- 28.06.2022
22	Warasgaon Warangi	5x 300	1500	Upper reservoir-proposed on on minor nallah draining into Ambi river Lower reservoir-proposed on on minor nallah draining into Kal river	•Under S&I • Target date of preparation of DPR- 06/24 • Agency-Adani Green Energy Ltd. •Date of MoA- 28.06.2022

Status of Large Hydro Power Development in Goa

I. Conventional Projects

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

Status of Large Hydro Power Development in Andhra Pradesh

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large Hydro Power Potential from Hydroelectric Projects (Projects having capacity above 25 MW) (2017-23 Study)		8	2826
Breakup of Hydro Power Potential (2017-23)			
A	Projects in operation	5	1610
B	Projects under active construction	2	1190
C	Balance Capacity	1	26

II. Pumped Storage Projects

		Nos.	Capacity (MW)
A	Under Active Construction	1	1200
B	Under S&I	16	17120
C	Concurred	1	1350
D	S&I Held Up	2	2200

Details of Exploitable Large 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
8	Lower sileru extension	Sileru	R (P)	230
8	**Total**			**2826**

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))	Year of commissioning
1	LOWER SILERU	1	(4X115)	SILERU	KHAMMAM	460	S	1976-1978
2	NAGARJUNA SGR RBC & EXT.	1	(3X30)	KRISHNA	SATRASALA	90	S	1983-90
3	SRISAILAM	1	(7X110)	KRISHNA	MAHABUBNAGAR	770	S	1982-1987
4	UPPER SILERU-I&II	1	(4X60)	SILERU	VISHAKAPATNAM	240	S	1967-1995
5	NJ SAGAR TPD	1	(2X25)	KRISHNA	GUNTUR	50	R(P)	2017
5	**TOTAL**	**5**				**1610**		

* All projects are in EFR Basin

B. H.E. Projects under active construction:

Sl. No.	Name of Project	Agency	District	River/ Basin	I. C. (MW)	Type (R/S/R(P))	Likely Commissioning
1	Polavaram	APGENCO/ Irrigation Dept., A.P	East & West Godavari	Godavari/ EFR	960	S	2024-26 (Mar'26)
2	Lower sileru extension	APGENCO	Alluri Sitharamaraju	Sileru/EFR	230	R(P)	2025-26 (Mar'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

D. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Upper Sileru	9x150	1350	Upper reservoir-Guntawada reservoir Lower reservoir-Donkarayi reservoir	•DPR concurred by CEA •Concurrence date- 13.06.2023 •EC & FC yet to be obtained by developer.
2	Yerravaram	3x400	1200	Upper reservoir-proposed on Nallah/stream flowing into the thandava reservoir Lower Reservoir-proposed on nallah/stream flowing into the thandava reservoir	•Under S&I •Agency-Shirdi Sai Electricals Ltd. •Target date of Preparation of DPR- 03/25 •Date of MOA-19.01.2023
3	Kurukutti	5x240	1200	Upper Reservoir is proposed on Minor nallah draining into Boduru Gedda river Lower Reservoir is proposed on Boduru Gedda river	•Under S&I Held Up •Agency- Adani Green •Project site (partly) falls within the disputed boundary between Govt. of Andhra Pradesh and Govt. of Odisha. Drilling Held up.

4	Karrivalasa	4x250	1000	Upper Reservoir is proposed on Minor nallah draining into Boduru Gedda river Lower Reservoir is proposed on Boduru Gedda river	•Under S&I Held Up •Agency-Adani Green •Project site (partly) falls within the disputed boundary between Govt. of Andhra Pradesh and Govt. of Odisha. Drilling Held up
5	Pinnapuram	4x240+2x120	1200	Upper reservoir- Near Gorakallu reservoir in Pannapuram Village Lat 15° 36'26" N Long 78° 15'13" E Lower reservoir- Lat 15°37'26" N Long 78°15'30" E	Likely commsiioning by 2024-25 (Dec 24)
6	Gandikota	4x250	1000	Upper Reservoir is proposed Off Stream Lower Reservoir is exisiting on Gandikota reservoir which is on Penna river	•Under S&I •Target date of Preparation of DPR- 12/23 •Agency- Adani green energy •Date of MOA-29.06.2022
7	OWK	4x200	800	Upper Reservoir is proposed Off Stream Lower Reservoir is exisiting on Owk reservoir which is on Penna river	•Under S&I •Target date of Preparation of DPR- 03/24 •Agency- Aurobindo Realty & Infrastructure Pvt. Ltd. •Date of MOA-12.09.2022
8	Chitravathi	2x250	500	Upper Reservoir is proposed Off Stream Lower Reservoir is exisiting on Chitravathi reservoir	• Under S&I •Target date of Preparation of DPR- 12/23 •Agency-Adani Green Energy Ltd •Date of MOA-29.06.2022
9	Somasila	4x225	900	Both Upper & Lower Reservoirs are proposed off stream	•Under S&I • Target date of Preparation of DPR- 12/23 •Agency- Shirdi Sai Electricals Ltd. •Date of MOA-19.01.2023
10	Paidipalem East	6x200	1200	Upper Reservoir- new proposed Off Stream Lower Reservoir - new proposed draws water Paidipalem Balancing reservoir	•Under S&I •Date of DPR preparation-07/24 •Agency-Indosol Solar Power Pvt. Ltd. •Date of MOA-12.09.2022
11	Singanamala	4x200	800	Upper Reservoir- Off Stream Lower Reservoir- Off Stream.	•Under S&I •Date of DPR preparation-09/24 •Agency- Aurobindo Realty & Infrastructure Pvt. Ltd. •Date of MOA-12.09.2022

12	Paidipalem North	5 x 200	1000	Upper Rservoir- new proposed Off Stream Lower Reservoir - new proposed draws water Paidipalem Balancing reservoir	•Under S&I •Date of DPR preparation– 07/2024 •Agency-Indosol Solar Power Pvt. Ltd. •Date of MOA-12.09.2022
13	Veeraballi Off-stream	5x300+2x150	1800	Upper Reservoir & Lower Resrvoir- both off stream	•Under S&I • Target date of preparation of DPR- 02/24 • Agency-Astha Green Energy Ventures India PVT. LTD. •Date of MOA-12.09.2022
14	vempalli	6x250	1500	Upper Reservoir & Lower Resrvoir- both off stream	• Under S&I • Target date of preparation of DPR- 03/25 • Agency-JSW Energy •Date of MOA-25.01.2022
15	Gujjili	6x250	1500	Upper Reservoir & Lower Resrvoir- both off stream	• Under S&I • Target date of preparation of DPR- 03/25 • Agency-NREDCAP •Date of MOA-25.01.2022
16	Raiwada	3x283.33	850	Upper Reservoir on a tabletop hill across a minor rivulet draining into a nallah Lower Reservoir- across Sarada river	• Under S&I • Target date of preparation of DPR- 12/23 • Agency-Adani Green Energy Ltd. •Date of MOA-23.05.2022
17	Chittamvalasa	4x200	800	Upper Reservoir & Lower Reservoir- both off stream	• Under S&I • Agency-NREDCAP • Target date of preparation of DPR- 08/24
18	Yaganti	4x250	1000	Upper Reservoir- Minor Rivulet Lower Reservoir-Minor Rivulet	• Under S&I • Agency-APGENCO • Target date of preparation of DPR- 08/24 •Date of MOA-23.08.2023
19	Kamalapadu	3x238 +2x118	950	Upper Reservoir & Lower Reservoir- both off stream	• Under S&I • Agency-APGENCO • Target date of preparation of DPR- 08/24 •Date of MOA-23.08.2023
20	Aravetipalli	6x220	1320	Upper Reservoir & Lower Reservoir- both off stream	• Under S&I • Agency-APSPCL • Target date of preparation of DPR- 08/24

Status of Large Hydro Power Development in Telangana

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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 allotted by States for development			
	B-I	**DPR Prepared**		
	(i)	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)
A	In Operation	2	1605.6

Details of Exploitable Large 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	Capacity (MW)	Type (R/S/R(P))	Year of commissioning
	TSGENCO							
1	PRIYADARSHNI JURALA	1	(6X39)	KRISHNA	MAHABOOB NAGAR	234	R(P)	2008-2011
2	POCHAMPAD	1	(4X9)	GODAVARI	NIZAMABAD	36	S	1987-1988, 2010
3	NAGARJUNA SGR	1	(1X110)	KRISHNA	NALGONDA	110	S	1978-85
4	NAGARJUNA SGR LBC	1	(2X30)	KRISHNA	GUNTUR	60	R	1983
5	LOWER JURALA	1	(6X40)	KRISHNA	WANPARTHY	240	R(P)	2015-16
6	PULINCHINTHALA	1	(4X30)	KRISHNA	SURAPETA	120	R(P)	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	I.C. (MW)	Agency	Month of Return	Reason for Return
1	Dummugudem	320	APGENCO	Mar-06	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	Type	I.C.(MW)	District
1	Tupakulagudem	Godavari	S	240	Mulugu

D. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	District	Status
		No. of units x Unit size(MW)	MW			
1	Nagarjuna Sagar	7x100.80	705.60	Krishna	Karnool	In Operation
2	Srisailam LBPH	6x150	900	Krishna	Nalgonda	In Operation

Status of Large Hydro Power Development in Karnataka

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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 allotted by States for development			
	B-I	**DPR Prepared**		
	(i)	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.	Capacity (MW)
A	Under S&I	3	3900

Details of Exploitable Large 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))	Year of commissioning
	KPCL								
1	ALMATTI	1	(5X55) +(1X15)	KRISHNA	EFR	BIJAPUR	290	S	2004-2005
2	GERUSOPPA (SHARAVATHY TAIL RACE)	1	(4X60)	SHARAVATHY	WFR	UTTARA KANNADA	240	R(P)	2001-2002
3	GHAT PRABHA	1	(2X16)	GHATPRABHA	EFR	BELGAUM	32	S	1992
4	MAHATMA GANDHI JOG	1	(4X21.6) +(4X13.2)	SHARAVATHY	WFR	SHIMOGA	139.2	S	1949-1952
5	KADRA	1	(3X50)	KALI	WFR	UTTARA KANNADA	150	S	1997-1999
6	KALINADI (NAGJHARI)	1	6x 150	KALI	WFR	UTTARA KANNADA	900	S	1979-1984
7	KALINADI SUPA	1	(2X50)	KALI	WFR	UTTARA KANNADA	100	S	1985
8	KODASALI	1	(3X40)	KALI	WFR	UTTARA KANNADA	120	S	1998-1999
9	LINGNAMAKKI	1	(2X27.5)	SHARAVATHY	WFR	SHIMOGA	55	S	1979-1980
10	MUNIRABAD	1	(2X9) +(1X10)	TUNGABHADRA	EFR	KOPPAL	28	S	1962-1965
11	SHARAVATHY	1	(10X103.5)	SHARAVATHY	WFR	SHIMOGA	1035	S	1965-1977
12	SIVASAMUNDRUM	1	(4X6)+(6X3)	CAUVERY	EFR	MANDYA	42	R(P)	1922-1934
13	VARAHI	1	(4X115)	VARAHI	WFR	UDUPI	460	R(P)	1989-2009
14	BHADRA	1	(2x12)+(1x2)	BHADRA	EFR	CHICKMAGALUR	26	S	1965
	TOTAL KPCL	**14**					**3617.2**		
	APGENCO								
15	T B DAM *	1	(4X9)	TUNGABHADRA	EFR	BELLARI	36	S	1957-1964
16	HAMPI *	1	(4X9)	TUNGABHADRA	EFR	BELLARI	36	S	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)	Reason of Return
1	Sivasamudram	KPCL	345	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	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	River	Type	I.C.(MW)	District
1	Netravathy	Netravathy	S	41	Dakshina Kannada
2	Sirpadi	Netravathy	R	36	Dakshina Kannada
3	Kumaradhari	Kumaradhari	S	70	Dakshina Kannada
4	Gangavali St.II (Gangavali (Sonda) St.II)	Gangavali	R	600	Uttara Kannada
4	**Total**			**747**	

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

D . Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Sharavathy	8x250	2000.00	Upper Reservoir is on Existing Talakalale reservoir Lower Reservoir is on Existing Gerusappa reservoir	•Under S&I •Agency-KPCL •Target date of DPR preparation-12/24 •Date of MoA-07.12.2017
2	Narihalla	2x150	300	Upper Reservoir is proposed on minor rivulet draining into Narihalla Reservoir Lower Reservoir-Narihalla Reservoir existing on Narihalla River	•Under S&I • target date of DPR preparation-11/23 • Agency- JSW Energy •Date of MOA-28.11.2022
3	Saundatti	320X4+160x2	1600	Upper Reservoir is proposed Off Stream Lower Reservoir is on RenukaSagar which is existing on Malaprabha river	•Under S&I •Target date for preparation of DPR – 09/2023 •Agency-Greenko •Date of MOA-12.03.18. Revised approval on 27.02.19

Status of Large Hydro Power Development in Kerala

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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		14	2048.5
B	Projects under active construction		3	140
C	Projects allotted by States for development			
	C-A	**DPR Under Preparation**		
	(i)	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.

Details of Exploitable Large Hydro Power Projects

Sl.No.	Name of Project	River	Type	IC
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	No. of Stns.	No. of units x Capacity (MW)	River / Basin*	District	I.C. (MW)	Type (R/S/R(P))	Year of commissioning
	KSEB							
1	IDAMALAYAR	1	(2X37.5)	IDAMALAYAR	ERNAKULAM	75	S	1987
2	IDUKKI	1	(6X130)	PERIYAR	IDUKKI	780	S	1976-1986
3	KAKKAD	1	(2X25)	PAMBA	PATHANAMTHITTA	50	R(P)	1999
4	KUTTIYADI	1	(3X25)	KUTTIYADI	KOZHIKODE	75	S	1972
5	KUTTIYADI EXTN .	1	(1X50)	KUTTIYADI	KOZHIKODE	50	S	2001
6	KUTTIYADI ADDN EXTN	1	(2X50)	KUTTIYADI	KOZHIKODE	100	S	2010
7	LOWER PERIYAR	1	(3X60)	PERIYAR	IDUKKI	180	R(P)	1997
8	NERIAMANGLAM	1	(3X17.55)	MUTHIRAPUZHA	IDUKKI	237	S	1961-63
9	PALLIVASAL	1	(3X5) +(3X7.5)	MUTHIRAPUZHA	IDUKKI	37.5	S	1948-2001
10	PANNIAR	1	(2X15)	PANNIAR	IDUKKI	30	S	1963-2001
11	PORINGALKUTTU	1	(4X8)	CHALAKUDY	COIMBATORE	32	S	1957-1960
12	SABARIGIRI	1	(6X50)	PAMBA	PATHANAMTHITTA	300	S	1960-1967
13	SENGULAM	1	(4X12)	MUTHIRAPUZHA	IDUKKI	48	S	1954-2001
14	SHOLAYAR	1	(3X18)	SHOLAYAR	COIMBATORE	54	S	1956-1968
14	**TOTAL KSEB**	**14**				**2048.5**		

*** All projects are in WFR Basin**

B. H.E. Schemes under active Construction:

Sl. No.	Name of Project	Agency	District	River / Basin	I.C. (MW)	Type (R/S/R(P))	Likely Commissioning
1	Pallivasal Extension	KSEB	Idukki	Mudirapuzha/WFR	60	R	2023-24 (Jun'23)
2	Thottiyar	KSEB	Idukki	Thottiyar/ WFR	40	R	2022-24 (Jun'23)*
3	Mankulam	KSEB	Idukki	Melachery	40	S	2026-27 (May'26)
3	**Total**				**140**		

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

*** 1 unit (10 MW) likely during 2022-23 & 1 unit (30 MW) during 2023-24**

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

Sl. No.	Name of Project	Basin/River	I.C. (MW)	Agency	District	Type (R/S/R(P))	Target date of preparation of DPR
1	Idukki Extension Scheme	WFR/ Periyar	800	KSEB	Idukki	S	03/24
1	**TOTAL**		**800**				

D. Balance Capacity

Sl. No.	Name of Project	River	I.C.(MW)	District	Type
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**		

Status of Large Hydro Power Development in Tamil Nadu

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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	1778.2

II. Pumped Storage Projects

		Nos.	Capacity (MW)
A	Under S&I	4	3400

Details of Exploitable Large Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
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	Capacity (MW)	Type (R/S/R(P))	Year of commissioning
	TANGEDCO								
1	ALIYAR	1	(1X60)	Aliyar	WFR	COIMBATORE	60	S	1970
2	BHAVANI KATTALAI BARRAGE-I	1	(2X15)	CAUVERY	EFR	ERODE	30	R(P)	2006
3	BHAVANI KATTALAI BARRAGE-II	1	(2X15)	CAUVERY	EFR	ERODE	30	R(P)	2013
4	BHAVANI KATTALAI BARRAGE-III	1	(2X15)	CAUVERY	EFR	ERODE	30	R(P)	2012
5	KODAYAR-I	1	(1X60)	KODAYAR	WFR	KANYAKUMARI	60	S	1970
6	KODAYAR-II	1	(1X40)	KODAYAR	WFR	KANYAKUMARI	40	S	1971
7	KUNDAH-I	1	(3X20)	AVLANCHE STREAM	EFR	NILGRIS	60	S	1960-1964
8	KUNDAH-II	1	(5X35)	KUNDAH	EFR	NILGRIS	175	S	1960-1965
9	KUNDAH-III	1	(3X60)	PENGUNBAHALLAH	EFR	COIMBATORE	180	S	1965-1978
10	KUNDAH-IV	1	(2X50)	BHAVANI	EFR	COIMBATORE	100	S	1966-1978
11	KUNDAH-V	1	(2X20)	BHAVANI	EFR	NILGRIS	40	S	1964-1988
12	LOWER METTUR-I	1	(2X15)	CAUVERY	EFR	SALEM	30	R(P)	1988
13	LOWER METTUR-II	1	(2X15)	CAUVERY	EFR	SALEM	30	R(P)	1988
14	LOWER METTUR-III	1	(2X15)	CAUVERY	EFR	SALEM	30	R(P)	1987-1988
15	LOWER METTUR-IV	1	(2X15)	CAUVERY	EFR	SALEM	30	R(P)	1988-1999
16	METTUR DAM	1	(4X12.5)	CAUVERY	EFR	SALEM	50	S	1937-1946
17	METTUR TUNNEL	1	(4X50)	CAUVERY	EFR	SALEM	200	S	1965-1966
18	MOYAR	1	(3X12)	MOYAR	EFR	NILGRIS	36	S	1952-1953
19	PAPANASAM	1	(4X8)	THAMBRAPARANI	EFR	TIRUNELVELI	32	S	1944-1951
20	PARSON`S VALLEY	1	(1X30)	BHAVANI	EFR	NILGIRIS	30	S	2000
21	PERIYAR	1	(3X42)+ (1X35)	PERIYAR	WFR	IDUKKI	161	S	1958-1965
22	PYKARA	1	(3X7)+ (2X13.6)+ (1X11)	PYKARA	EFR	NILGRIS	59.2	S	1932-2005
23	PYKARA ULTMATE	1	(3X50)	PYKARA	EFR	NILGRIS	150	S	2005
24	SARKARPATHY	1	(1X30)	PARABIKULAM	WFR	KOZHIKODE	30	R(P)	1966
25	SHOLAYAR I	1	(2X35)	SHOLAYAR	WFR	COIMBATORE	70	S	1971
26	SURULIYAR	1	(1X35)	ERAVANGALAR	EFR	TIRUNELVELI	35	S	1978
26	**TOTAL**	**26**					**1778.2**		

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

B. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Kadamparai	4x100	400	Upper Reservoir-Existing Kadamparai Dam Lower reservoir-Existing Upper Aliyar Dam	In Operation •Agency-TANGEDCO
2	Kundah Pumped Storage (Phase-I,II&III)	4x125	500	Upper reservoir-Existing Porthimund reservoir Lower reservoir-Existing Avalanche Emerald reservoir	•Under Active Construction •Agency-TANGEDCO •Likely commissioning by 2024-25 (Oct. 2024)
3	Kodayar	6x250	1500	Upper Reservoir is on existing Kodayar Reservoir Lower Reservoir is on PWD's Pechiparai reservoir(Existing Hydro Project)	•Under S&I Held Up •Agency-TANGEDCO •Pre-DPR chapters returned after there is no progress in the S&I activities by the developer
4	Sillahalla St.-I	4x250	1000	Upper Reservoir--on Sillahalla river Lower Reservoir- on Sillahalla river	•Under S&I •AgencyTANGEDCO •Date of MOA-23.01.2019 •Target date of DPR Preparation-02/24

Status of Large Hydro Power Development in Jharkhand

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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

Details of Exploitable Large 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**

II. Pumped Storage Projects

		Nos.	I.C. (MW)
A	Under S&I	1	1500

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))	YEAR OF COMMISSIONING
	DVC							
1	PANCHET	1	(2X40)	DAMODAR	DHANBAD	**80**	S	**1990**
	SUB-TOTAL DVC	**1**				**80**		
	JUUNL							
1	SUBERNREKHA -I	1	(1X65)	SUBERNAREKHA	RANCHI	**65**	S	**1977**
2	SUBERNREKHA -II	1	(1X65)	SUBERNAREKHA	RANCHI	**65**	R(P)	**1980**
	TOTAL JUUNL	**2**				**130**		
3	**TOTAL JHARKHAND**	**3**				**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

C. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Lugu pahar	6x250	1500.00	Upper reservoir-proposed on Kairo Jharna Nala Lower Reservoir-proposed across Bokaro River	•Under S&I •Target date of Preparation of DPR-12/24 •Agency-DVC

Status of Large Hydro Power Development in Bihar

I. Conventional Projects

		Nos.	I.C. (MW)
Exploitable Large 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	**DPR Prepared**		
(i)	Projects returned to project authorities	1	130.1

Details of Exploitable Large Hydro Power Projects

S.No.	Name	River	Type	IC
1	Dagmara	Kosi	R	130.1
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
1	Dagmara	Kosi	130.1	22-Jan
	Total		**130.1**	

Status of Large Hydro Power Development in Odisha

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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	2039.8
C	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.	Capacity (MW)
A	Under S&I	3	1420

Details of Exploitable large Hydro Power Projects

Sl.No.	Name of Project	River	Type	IC
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)	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))	YEAR OF COMMISSIONING
	OHPC							
1	BALIMELA	1	(6X60)+ (2X75)	SILERU	MALKANGIRI	510	S	1973-1977, 2008
2	HIRAKUD (BURLA)	1	(2X43.65)+ (1X37.5)+(2X49.5)+(2X32)	MAHANADI	SAMBALPUR	287.8	S	1956-1990
3	HIRAKUD (CHIPLIMA)	1	(3X24)	MAHANADI	SAMBALPUR	72	R(P)	1962-1964
4	RENGALI	1	(5X50)	BRAHMANI	ANGUL	250	S	1985-1992
5	UPPER INDRAVATI	1	(4X150)	INDRAVATI	KALAHANDI	600	S	1999-2001
6	UPPER KOLAB	1	(4X80)	KOLAB	KORAPUT	320	S	1988-1993
	TOTAL OHPC	**6**				**2039.8**		
	APGENCO							
1	MACHKUND	1	(3X17)+ (3X21.25)	MACHKUND	KORAPUT	114.75	S	1959
	SUB-TOTAL APGENCO	**1**						
7	**TOTAL ODISHA**	**7**				**2039.8**		

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 S&I held up as no progress in the S&I activities of project reported by developer.
6	Kharag	Kharag	R	63	Kandhmal	•Initially alloted to OHPCL • Project was shifted to S&I held up as no progress in the S&I activities of project reported by developer.
6	**Total**			**677**		

C. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size(MW)	MW		
1	Upper Indravati	4x150	600	Upper Reservoir is existing on Upper Indravati HEP reservoir (Exisiting Hydro Project) Lower Reservoir is to be constructed.	•Under S&I •Target date for preparation of DPR – 10/2023 •Agency-OHPCL •Date of MOA-29.07.2015
2	Upper Kolab	2x160	320	Upper Reservoir is existing on Upper Kolab HEP reservoir (Exisiting Hydro Project) Lower Reservoir is to be constructed (off stream).	•Under S&I •Agency-OHPCL •Target date of preparation of DPR- 12/24
3	Balimela	2x250	500	Upper Reservoir is existing on Balimela HEP reservoir (Exisiting Hydro Project) Lower Reservoir is to be constructed.	•Under S&I •Agency-OHPCL •Target date of preparation of DPR- 12/24

Status of Large Hydro Power Development in West Bengal

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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 active construction		1	120
C	Projects allotted by States for development			
	C-I	**DPR Under Preparation**		
	(i)	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.	Capacity (MW)
A	In Operation	1	900
B	Concurred	1	1000

Details of Exploitable Large 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	120
4	Tessta Low dam - IV	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))	Year of Commissioning
1	Jaldhaka	WBSEDCL	KALIMPONG	Jaldhaka	36	R(P)	1967- 72,2012
2	Rammam-II	WBSEDCL	DARJEELING	Rammam	50	R	1995-96
3	Teesta Low Dam-III	NHPC	DARJEELING	Teesta	132	R(P)	2013-14
4	Maithon	DVC	WEST DHANBAD	Basakar	63.2	S	1957-58
5	Teesta Low Dam-IV	NHPC	DARJEELING	Teesta	160	R(P)	2016
5	**Total**				**441.2**		

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

B. H.E. Projects under active Construction:

Sl. No.	Name of Project	Agency	District	River / Basin	I. C. (MW)	Type (R/S/R(P))	Likely Commissioning
1	Rammam-III	NTPC	Darjeeling	Rammam/ Rangit/ Teesta /Brahmaputra	120	R	2025-26 (July'25)
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))	Date of MOA	Target date of Preparation of DPR
1	Teesta Intermediate	Teesta	WBSEDCL	90	Darjeeling	ROR		12/23
1				**90**				

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

E. 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

F. Pumped Storage

S.No.	SCHEMES	INSTALLED CAPACITY		River	Status
		No. of units x Unit size (MW)	MW		
1	Purulia	4x250	900	Kisto Bazar Nalla	In Operation
2	Turga	4x250	1000	Turga Nala	•DPR concurred by CEA •Concurrence date-05.10.2016 •EC accorded on 02.07.2018. FC-I accorded on 12.04.18 and FC-II accorded on 13.10.2022.

Status of Large Hydro Power Development in Sikkim

I. Conventional projects

			Nos.	Capacity (MW)
Exploitable Large 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 active construction		2	620
C	H.E. Projects on which Construction is held up		3	417
D	Projects allotted by States for development			
	D-I	**DPR Prepared**		
	(i)	Projects concurred by CEA and yet to be taken up for construction	1	520
E	Balance Capacity*		20	2212

*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.

Details of Exploitable Large Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
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))	YEAR OF COMMISSIONING
	NHPC							
1	RANGIT	1	(3X20)	Teesta	GANGTOK	60	R(P)	2000
2	TEESTA-V	1	(3X170)	TEESTA	EAST SIKKIM	510	R(P)	2008
	SUB-TOTAL NHPC	**2**				**570**		
	STATE							
	TEESTA URJA LTD. (TUL)							
3	TEESTA-III	1	(6X200)	TEESTA	NORTH SIKKIM	1200	R(P)	2017
	SUB-TOTAL TUL	**1**				**1200**		
	PRIVATE							
	GIPL (GATI INFRA PRIVATE LTD.)							
4	CHUZACHEN	1	(2*55)	RONGLI & RANGPO	EAST SIKKIM	110	R(P)	2013
	SNEHA KINETIC POWER PROJECTS PVT LTD (SKPPPL)							
5	DIKCHU	1	(2*48)	Rangpo	EAST & NORTH SIKKIM	96	R(P)	2017
	SHIGA ENERGY PVT LTD (SEPL)							
6	TASHIDING	1	(2*48.50)	RATHANG CHU		97	R(P)	2017
	DANS ENERGY PVT LTD. (DEPL)							
7	JORETHANG LOOP	1	(2*48)	RANGIT	SOUTH /WEST	96	R(P)	2015
	Madhya Bharat Pvt Company (MBPC)							
8	RONGNICHU	1	2*56.5	Rangpo	EAST SIKKIM	113	R	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 active Construction:

Sl. No.	Name of Project	Agency	District	I.C. (MW)	River/ Basin	Type (R/S/R(P))	Likely Commissioning
1	Teesta St. VI	NHPC	South Sikkim	500	Teesta/Brahmaputra	R	2026-27 (August'26)
2	Rangit-IV	NHPC	West Sikkim	120	Rangit/ Brahmaputra	R	2024-25 (Aug'24)
2	**Total**			**620**			

C. H.E. Projects on which Construction is held up:

Sl. No.	Name of Project	Agency	District	I.C. (MW)	River/ Basin	Type (R/S/R(P))	Status & Likely Commissioning
1	Bhasmey	Gati Infrastructure	East Sikkim	51	Rangpo/ Teesta Brahmaputra	R	Works are stalled since Sept., 2016 due to funds constraints with developer. *
2	Rangit-II	Sikkim Hydro	West Sikkim	66	Rimbi Brahmaputra	R	Works are stalled since December, 2017 due to funds constraints with developer. Project is in NCLT since 30.07.2020. *
3	Panan	Himagiri	North Sikkim	300	Toulng Brahmaputra	R	Construction of bridge on Mantham lake for accessibility of site is now being started. The works are likely to start soon after accessibility to Dam site is achieved. *
3	**Total**			**417**			

*** The Project is presently stalled.Commissioning is subject to restart of works**

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

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

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

#• NHPC on. 21.8.2020 has requested DC (North), Sikkim to intervene into the matter of pending Gram Sabha meetings at remaining 3 GPU's for settlement of rights under FRA, 2006.
• NHPC vide letter dt. 15.03.2021 has again requested DC (North), Sikkim to intervene into the matter of pending Gram Sabha meetings at remaining 3 GPU's and completion of settlement of rights under FRA, 2006
• CMD, NHPC along with Senior Officers of NHPC had a meeting with Chief Secretary & Addl. Chief Secretary of Sikkim on 02.03.2021 and with Sh. Prem Singh Tamang, Hon'ble CM of Sikkim on 20.03.21. During the meetings, various pending issues related to the projet were discussed and they assured all possible cooperation and assistance of the State Government to NHPC
• CMD, NHPC vide DO letter dated 24.05.2021 has requested Hon'ble Minister, Rural Development, Cooperation and Ecclesiastical department, Govt. of Sikkim for expeditious resolution of issues related Forest Clearance St-II and private land acquisition of Teesta-IV HEP.
• CMD, NHPC met Hon'ble Chief Minister, Sikkim on 29.10.2022 to discuss early implementation of Teesta Stage-IV HE Project. NHPC vide letter dated 12.11.2022 requested Chief Secretary, Govt of Sikkim for completion of remaining Gram Sabha meetings and process of settlement of rights.
• A meeting was chaired by Hon'ble Minister of Power and NRE and attended by Secretary (Power), CMD, NHPC and senior officials of MoP & NHPC on 16.02.23 wherein issues related to pending compliance of Forest Clearance Stage-I w.r.t consent under FRA-2006 in remaining 3 GPUs was discussed

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

E. **Balance Capacity**

Sl.No.	Name of Project	River	Type (R/S/R(P))	IC	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
20	**Total**			**2212**		

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

Status of Large Hydro Power Development in Meghalaya

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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 allotted by States for development			
	B-I	**DPR Prepared**		
	(i)	Projects concurred by CEA and yet to be taken up for construction	1	85
	B-II	**DPR Under Preparation**		
	(i)	Projects under S&I	2	270
	(ii)	Projects allotted for development on which S&I is held up/ yet to be taken up	1	170
C	Balance Capacity*		13	1434

*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.

Details of Exploitable Large 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	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	MPP	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))	Year of commissioning
	MePGCL							
1	KYRDEMKULAI	1	(2X30)	Umtru	RI-BHOI	60	R(P)	1979
2	UMIAM ST-I	1	(4X9)	UMIAM	RI-BHOI	36	S	1965
3	NEW UMTRU	1	(2X20)	UMTRU	RI-BHOI	40	R(P)	2017
4	UMIAM ST-IV	1	(2X30)	Tail water of Stage-III PH & own catchment	RI-BHOI	60	R(P)	1992
5	MYNTDU ST-I	1	(3X42)	MYNTDU	JAINTIA HILLS	126	R(P)	2012
5	**TOTAL MePGCL**	**5**				**322**		

* All projects are in Brahamputra Basin

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

Sl No.	Name of Project	Agency	District	I.C. (MW)	Date of CEA Concurrence	Type (R/S/R(P))	Status
1	Wah Umiam Stage-III	NEEPCO	East Khasi Hills	85	26.07.2021	R	EC recommended by EAC on 26.02.2018. However, EC will be issued immediately on submission of Stage-I Forest Clearance. FC yet to be obtained.
1	**Total**			**85**			

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	Basin /River	Agency	I.C. (MW)	District	Type (R/S/R(P))	Date of MOA	Target date of Preparation of DPR
1	Myntdu Leshka st-II	Myntdu	MePGCL	210	West Jaintia Hills	R	20.4.12	11/23
2	Simsang Dam Project	Someshri	Brahmaputra Board	60	South Garo Hills	MPP		
2	**Total**			**270**				

D. H.E. Projects allotted for development on which Survey & Investigation is held up/yet to be taken up:

Sl. No.	Name of Project	I. C.(MW)	Agency	Date of Allotment/ MoA	District	Status
1	Selim	170	MePGCL	2008	East & West Jaintia Hills	S&I 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.**
1	**Total**	**170**				

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

E. Balance Capacity

Sl.No.	Name of Project	River	I.C (MW)	District	Type	Reamrks
1	Umium-Ummtru VI	Umtru	39	Ri-Bhoi	S	
2	Umlamphang	Umiam	28	Ri-Bhoi	R	
3	Nongam	Umngi	165	East Khasi Hills	R	
4	Mawpat	Umngi	30	West Khasi Hills	R	
5	Nangmawlar	Kynshi	106	West Khasi Hills	R	
6	Amagam Storage	Rongdi	26	East Garo hills	S	
7	Umjaut	Umiew	72	Umiew	R	
8	Umduna (Umduma)	Umiam	60	Umiam	R	
9	Umngi Stage-I (Umngi Storage+ Rangmaw)	Umngi	30	Umngi	S	
10	Kynshi I (Mawsyrpat+ Kynshi -I storage)	Kynshi	270	Kynshi	S	
11	Mawblei Storage	Wahblei	110	Wahblei	S	
12	Umanghot (Umngot Stor.)	Umngot	220	Umngot	R	
13	Kynshi-II	Kynshi	278	West Khasi Hills	R	•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.
13	**Total**		**1434**			
Note: R –Run of the River & S- Storage						

Status of Large Hydro Power Development in Tripura

No Large Hydroelectric Project has been identified in the Tripura State. However, a small Hydel power station in south Tripura named Gumti Hydel project having only 3x5 MW capacities. The details are as under:

Name of Project	Unit	Installed Capacity (MW)	Year of Installation	Phase	RIVER	TYPE
Gumti H.E. Project	Unit-I	5.00 MW	1976	Phase I	Gumti	S
	Unit-II	5.00 MW	1976			
	Unit-III	5.00 MW	1984	Phase II		

Status of Large Hydro Power Development in Manipur

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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

*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.

Details of Exploitable Large Hydro Power projects

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

A. H.E. Projects in Operation:

Sl.No.	Name of Project	Agency	I. C. (MW)	River/ Basin	District	Type (R/S/R(P))	Year of Commissioning
NHPC							
1	Loktak	NHPC	105	Imphal/ Brahmputra	Churachandpur	S	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	River	Type	I.C.(MW)	District
1	Khongnem Chakha-II	Barak	S	40	Senapati
2	Khongnem Chakha-III	Barak	R	28	Senapati
3	Nungnag	Irang	S	28	Tamenglong
4	Thinghat	Tuivai	S	45	Churachandpur
5	Irang	Irang	S	60	Tamenglong
6	Pabaram	Barak	S	213	Tamenglong
7	Maklang - Tuyungbi	Maklang & Tuyungbi	S	30	Ukhrul
8	Loktak D/S (Khunou)	Leimetak	R	66	Tamenglong
8	**Total**			**510**	

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

Status of Large Hydro Power Development in Assam

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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	350
B	Projects under active construction		1	120
C	Projects allotted by States for development			
	C-I	**DPR Prepared**		
	(i)	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.

Details of Exploitable Large 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	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	CAPACITY (MW)	Type (R/S/R(P))	YEAR OF COMMISSIONING
	NEEPCO								
1	KOPILI	1	4	(4X50)	Umrong	DIMA HASAO	200	S	1988
2	KHONDONG	1	2	(2X25)	KOPILI	DIMA HASAO	50	S	1984
	SUB-TOTAL NEEPCO	**2**	**6**				**250**		
	APGCL								
3	KARBI LANGPI [Lower Borpani]	1	2	(2X50)	BORPANI	KARBI ANGLONG	100	R(P)	2007
	SUB-TOTAL APGCL	**1**	**2**				**100**		
3	**TOTAL ASSAM**	**3**	**8**				**350**		

* All projects are in Brahamputra Basin

B. H.E. Projects under active construction:

Sl No.	Name of Project	Agency	District	River / Basin*	I.C.(MW)	Type (R/S/R(P))	Type (R/S/R(P))	Likely Commissioning
1	Lower Kopili	APGCL	Karbi Anglong & Dima Hasao	Kopili / Brahamputra	120	Kopili	R	2024-25 (Mar'25)
1	**Total**				**120**			

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	I.C. (MW)	Month of Return/Reason of Return
1	Karbi Langpi (Upper Borpani)	ASEB	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**	**3 Nos. of Projects**		**143**	

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

Status of Large Hydro Power Development in Nagaland

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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 allotted by States for development			
	B-I	**DPR Prepared**		
	(i)	Projects concurred by CEA and yet to be taken up for construction	1	186
C	Balance Capacity		2	64

Details of Exploitable Large 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	No. of Stns.	No. of units x Capacity (MW)	River / Basin	District	I.C.(MW)	Type (R/S/R(P))	Year of commissioning
	NEEPCO							
1	DOYANG	1	(3X25)	DOYANG / Brahamputra	WOKHA	75	S	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	District	River / Basin	I.C. (MW)	Date of CEA Concurrence	Type (R/S/R(P))	Status
1	Dikhu	NMPPL	Longleng	Dikhu / Brahamputra	186	31.03.2014	Seasonal S cum R	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 are likely to be completed soon. Consent of PPA as per CERC Tariff is obtained. Govt. of Nagaland has forwarded PPA tariff calculations for the approval of Nagaland Regulatory Commission. Authority Meeting was held on 27.01.2022. Govt of Nagaland will resume land acquisition after monsoon.

CEA vide letter dated 04.08.2022 informed developer that Central Electricity Authority is not in a position to extend the validity of Concurrence of Dikhu HE Project further as inspite of giving two extensions for validity of concurrence, development of Dikhu HE Project (186MW) is not satisfactory. A meeting held on 08.09.2022 under the chairmanship of Chairperson, CEA regarding reconsideration of extension of validity of Dikhu HEP (186 MW) up to 30.03.2023. As deliberated in the meeting, NMPPL was once again requested to convey concrete plan along with timeline for start of works of Dikhu HEP".

M/s NMPPL vide email dated 29.09.2022 has given their plan with timelines. Principle Secretary to the Govt of Nagaland Power Department Nagaland vide letter dated 28.09.2022 has highlighted some points for special consideration. M/s NMPPL further requestest to extend the TEC for another 3 years and 9 months from the last date TEC was valid, so as enable to start main construction of Dikhu Project by 31.12.2024. In a meeting under the chairmanship of Chairperson, CEA with representatives of State Govt. and developer of the project on 21.10.2022, it was brought out by representative of State Govt. that land acquisition negotiation with villagers of remaining two villages is becoming very difficult and in such situation, the Government of Nagaland is willing to bring down the Installed Capacity of the project to 140 MW or below to minimize the submergence.

In view of above, the developer needs to recast the DPR with revised IC and get fresh concurrence. In such circumstances, re-validation of earlier concurrence of Dikhu HE Project with IC of 186 MW has no relevance

C. Balance Capacity

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

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

Status of Large Hydro Power Development in Arunachal Pradesh

I. Conventional Projects

			Nos.	Capacity (MW)
Exploitable Large 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		3	1115
B	Projects under active construction		2	4880
C	Projects allotted by States for development			
	C-I	**DPR Prepared**		
	(i)	Projects concurred by CEA and yet to be taken up for construction	14	13798
	(ii)	Projects returned to project authorities	13	5323
	C-II	**DPR Under Preparation**		
	(i)	Projects under S&I	6	15632
	(ii)	Projects allotted for development on which S&I is held up/ yet to be taken up	1	145
D	Balance Capacity*		69	11186

*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.

Details of Exploitable Large Hydro Power Projects

S.no	Name	River	Type	Installed Capacity
1	Mihundon	Dibang (Dri)	R	226
2	Amulin	Matun	R	212
3	Emini	Matun	R	326
4	Agoline	Dibang or 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	MPP	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/ Sigong	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	S	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 / Si Nigit	R	2060
54	Niare	Subansiri	R	860
55	Naba	Subansiri/ Si Ngit	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	S	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 (Ranganadi)	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 (Kameng)	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	No. Of units	No. of units x capacity (MW)	River	District	Capacity (MW)	Type (R/S/R(P))	Year of commissioning
	NEEPCO							
1	RANGANADI	3	(3X135)	RANGANADI	LOWER SUBANSIRI	405	R(P)	2002
2	PARE	2	(2X55)	BRAHAMPUTRA	Papum Pare	110	R (P)	2018
3	Kameng	4	(4x150)	Bichom & Tenga / Kameng	West Kameng	600	R (P)	2020-21
3	**Total**	**9**				**1115**		

Note: All projects are in Brahamputra Basin

B. H.E. Projects Under Active Construction:

Sl. No.	Name of Project	Agency	District	I.C. (MW)	River	Type (R/S/R(P))	Likely Commissioning
1	Subansiri Lower	NHPC	L.Subansiri/ Dhemaji	2000	Subansiri	R(P)	2023-25 (Mar'25) # {2 units during 2023-24}
2	Dibang Multipurpose Project	NHPC	Lower Dibang valley	2880	Dibang/Brahmaputra	S	2031-32 (feb'32)
2	**Total**			**4880**			

Note: All projects are in Brahamputra Basin

 # 2 units (500 MW) likely during 2023-24 and remaining 6 units (1500 MW) during 2024-25

*** 2 units (500 MW) likely during 2022-23 & 6 units (1500 MW) during 2023-24**

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	River	I.C. (MW)	Date of CEA Concurrence	Type (R/S/R(P))	Status
1	Lower Siang	JAVL	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	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	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	Lohit	Lohit	1750	20.11.09	R(P)	EC accorded on 12.02.2010. EC extended till 11.02.2023. 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.. ####
5	Hirong	JAPL	West Siang	Siyom	500	10.04.2013	R	EC & FC yet to be obtained by developer. EIA/EMP report being revised as per Siang BSR. FC-I under process at state level. However, as per MoEF&CC, matter of FC is closed vide letter dated 02.12.2015 #####
6	Talonga Londa	GMR	East Kameng	Kameng	225	16.08.2013	R(P)	EC accorded on 07.08.2015. FC-I & FC-II yet to be obtained. ######
7	Etalin	SJVNL	Dibang Valley	Dri & Tangon	3097	12.07.2013	R	EC recommended by EAC on 31.01.2017. Letter will be issued after FC-I. FC-I & FC-II yet to be obtained. #######
8	Naying HEP	NEEPCO	West Siang	Siyom	1000	11.09.2013	R	EC & FC yet to be obtained by developer. $
9	Kalai –II	Kalai PPL	Anjaw	Lohit	1200	27.3.2015	R(P)	EC accorded 20.05.2015. Final order will be issued after obtaining FC-I. FC-I and FC-II yet to be obtained. Land acquisition under process. Validity of Concurrence to the project expired on 27.03.2018. MOP vide letter dated 22.12.2021 indicated Kalai-II HEP to be pursued by THDC.
10	Heo	NEEPCO	West Siang	Yarjep	240	28.07.2015	R	EC accorded on 10.11.2015. FC-I accorded on 27.10.2015. FC-II yet to be obtained. The issue of shifting of quarry is pending with FAC which is linked with Pauk, Heo and Tato-I and needs to be resolved for accord of FC-II. Observations of Regional Office awaited. Land acquisition is in progress.Validity of Concurrence to the project expired on 29.07.2020. MOP vide letter dated 22.12.2021 indicated that Heo HEP to be pursued by NEEPCO. MoA signed on 12.08.2023
11	Tato-I	NEEPCO	West Siang	Yarjep	186	28.10.2015	R	EC accorded on 10.11.2015. FC-I accorded on 27.10.2015. FC-II yet to be obtained. MoEF&CC stated that the matter of shifting of quarry area was considered by FAC and observations of Regional office are being sought & thereafter it will be again considered by FAC. Land acquisition is in progress. Validity of Concurrence to the project expired on 29.10.2020. MOP vide letter dated 22.12.2021 indicated that Tato-I HEP to be pursued by NEEPCO. MoA signed on 12.08.2023
12	Attunli	AHEPCL	Dibang Valley	Tangon	680	02.07.18	R(P)	Both EC and FC are yet to be obtained. MoEF&CC stated that fresh ToR was issued in May'2019. Forest survey under progress. DISCOMS are reluctant to sign long term PPA's for the Hydro Projects. Land Acquisition under process. MOP vide letter dated 22.12.2021 indicated that Attunli HEP to be pursued by SJVNL. Validity of Concurrence to the project expired on 02.07.2021. MoA signed on 12.08.2023
13	Nafra	NEEPCO	West kameng	Bichom Kameng	120	11.02.11	R(P)	EC accorded on 19.08.2013. FC-I accorded on 12.07.2011 & FC-II accorded on 26.06.2012. $$
14	Tato-II	NEEPCO	West Siang	Siyom	700	22.05.12	R(P)	EC accorded on 27.6.2011. FC is linked to Cumulative Impact Assessment Study of Siang Basin which has been carried out and accepted by MoEF&CC. There is no need to change in IC but as per recommendations in BSR, FRL needs to be reduced for free flow stretch and hence there may be change in other parameters including shift in location of Dam/ Barrage etc. MOP vide letter dated 22.12.2021 indicated that Tato-II HEP will be pursued by NEEPCO. MoA signed on 12.08.2023
14	**Total**				**13798**			

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.
##FRA is under process. In the review meeting held on 29.05.2019 in CEA, Developer stated that FC-II of Tawang-I will be taken up after obtaining FC-II of Tawang-II. 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.

###For FC-II, additional information sought by MoEF&CC vide letter 23.02.2017. NHPC informed that local resident are not cooperating. Minister of State (I/C), MOP through DO letter dated 02.02.2018 requested Hon'ble CM, Ar. Pr. to intervene in the matter for submitting compliance report under FRA 2006 by State Govt. to MoEF for accord of FC-II. CMD NHPC vide DO letter dated 28.10.19 and 2.12.2020 had again requested Chief Secretary, Govt. of Arunachal Pradesh to intervene in the matter. Matter is being pursued with District Administration. NHPC vide letter dated 11.12.2020 has again requested IG (FC), MoEF&CC to extend the validity of FC-I clearance of the project by another 5 years. MOP vide letter dated 22.12.2021 indicated that Tawang-II HEP to be pursued by NEEPCO. Proposal for Revalidation of Concurrence submitted By M/s NHPC Ltd vide their Letter dated 15.06.2021 for another two years i.e. up to 22.09.2023 has been return on 28.04.2022 due to non-submission of desired information sought vide this office letter dated.07.09.2021. Validity of Concurrence to the project expired on 23.09.2021.

####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.
Developer informed that the project is under NCLT since 2017 and fate of project will be decided after NCLT proceedings are over. Validity of Concurrence to the project expired on 19.05.2017.
MOP vide letter dated 22.12.2021 indicated that Demwe lower HEP to be pursued by THDC.

. As per Cumulative Impact Assessment recommendations for Siang basin, parameter of Hirong 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. Government of Arunachal Pradesh vide letter dated 09.07.201 informed CEA that allottment of Hirong HEP to M/s. JAPL has been withdrawn/ cancelled vide GoAP letter dated 21.04.2021 . Further, validity of Concurrence to project expired on 10.04.2016. 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

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.

####### The Biodiversity studies have been completed by Wild Life Institute of India (WII) in July 2019 after which FAC considered it in October 2019 wherein it recommended that a Sub-Committee shall be formed who shall visit the project site and submit its report on grant of forest Clearance for the project considering various aspects. Sub-Committee submitted its report to MOEF&CC and is available in their website. Sub-Committee recommended for the forest clearance of the project.FAC in its meeting held on 11.05.2022 has recommended to constitute two committees and will submit their reports within three weeks from their constiution. MoEF&CC vide letter dated 02.02.2023 conveyed that "FAC in its meeting held on 27.12.2022 opined that the instant proposal cannot be considered in the present form and the revised proposal may be submitted for further consideration by the State Government".
Validity of Concurrence to the project expired on 12.07.2021. MOP vide letter dated 22.12.2021 indicated that Etalin HEP tol be pursued by SJVNL. MoA signed on 12.08.2023

$- EC is linked with Siang BSR, which is completed and accepted by MoEF&CC. FC-I pending with State Govt. MoEF&CC stated that developer needs to apply afresh for EC online as old proposal is not valid anymore. DISCOMs are reluctant to sign PPA. Government of Arunachal Pradesh vide letter dated 09.07.201 informed CEA that allottment of Naying HEP to M/s. NDSCPL has been withdrawn/ cancelled vide GoAP letter dated 27.04.2021 . Further, validity of Concurrence to project expired on 11.09.2019. 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

$$Government of Arunachal Pradesh vide letter dated 09.07.2021 informed CEA that allotment of Nafra HEP to M/s. SNEL has been withdrawn/ cancelled vide GoAP letter dated 23.12.2019. Further, validity of Concurrence to project expired on 01.01.2017. NEEPCO vide letter dated 23.08.2021 to HPA informed that it has signed MoA with GoAP on 14.08.2021 for Nafra HEP. Subsequently, HPA Division vide letter dated 31.08.2021 requested NEEPCO to submit allotment letter of GoArP and fresh DPR as per revised e-flows under Cumulative Basin Studies of Bichom Basin. NEEPCO vide letter dated 03.09.2021 submitted Allotment letter.
MOP vide letter dated 22.12.2021 indicated that Nafre HEP will be pursued by NEEPCO. NEEPCO vide letter dated 10.01.2022 submitted updated hydrology chapter for vetting by CWC. NEEPCO vide letter dated 02.06.2022 (received on 03.06.2022) submitted PPS of Nafra HEP based on updated hydrology with incorporation of e-flow based on BSR for examination and vetting of CEA.Recommendation of HPA division on PPS chapter issued vide HPA letter dated 24.06.2022 for installed capacity of 95 MW. Developer vide letter dated 06.07.2022 has requested CEA to maintain installed capacity of 120 MW citing various reasons. HPA division vide letter dated 07.07.2022 requested developer to carry out commercial viability at 120 MW and submit proposal to CEA. Commercial viability of the project is being ascertained by developer.

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))	Month of Return/Reason of Return
1	Ranganadi St-II	NEEPCO	130	S	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	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	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	S	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	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	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	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	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	R(P)	Returned on 29.07.2013 due to inadequate investigation and in proper layout etc.
10	Nyukcharong Chu	SNCPCL	96	R	Returned on 04/15 due to non-submission of investigation suggested by GSI.
11	Subansiri Middle (Kamla)	KHEPCL	1800	S	Returned on 29.01.2018. All the partial clearances issued till date were rescinded as no progress has been made by the Developer towards resolving the issues pending with various appraising groups.
12	Magochu	MCPCL	96	R	
13	Tagurshit	L&T Power Development Ltd	74	R	Returned in 06/19.
13	**Total**		**5323**		

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	Agency for DPR	Original I.C. (MW)	District	Type (R/S/R(P))	Date of MOA	Target date of Preparation of DPR
1	Anjaw	Lohit	Athena Energy Ventures Ltd.	270	Anjaw	R	09.07.2007	12/23
2	Demwe UpperSt-I	Lohit	Lohit Urja Pvt Ltd	270	Anjaw	R	09.07.2007	06/24
3	Niare	Subansiri	Andra Power Private Limited	909	Upper Subansiri	R	02.05.2011	06/24
4	Upper Siang Project	Siang	NHPC	11200	Upper siang	S		
5	Oju Hydro-Electric Project	Subansiri/ Singit	Oju Subansiri Hydro Power Corporation Pvt. Ltd.	1878	Upper Subansiri	R		12/23
6	Naba	Subansiri	Naba Power Private Ltd.	1105	Upper Subansiri	R	21.06.2010	04/25
6	**Total**			**15632**				

F. H.E. Projects allotted for development on which Survey & Investigation is held up/ yet to be taken up:

Sl. No.	Name of Project	I.C. (MW)	Agency	Date of Allotment/ MoA	District	River	Status
1	Pauk	145	Velcan Energy Pvt Ltd	30.06.2007 (rev MOA-31.07.09)	West Siang	Yarjep	S&I held up due to land disputes between clans and law & order problem.
1	**Total**	**145**					

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	Dibang/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	Dibang/Dri	R	226	Dibang valley	
24	Lower Yamne St-II (Yapin)	Yamne	R	74	Upper Siang	
25	Nalo	Subansiri	R	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	•Yet to be indicated and 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	•Yet to be indicated and earlier 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	•Yet to be indicated and earlier 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	• Yet to be indicated and earlier 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	Kurung	Kurung	S	300	Kra Daadi	• Indicated to NEEPCO and earlier also alloted to NEEPCO. •Proposal for sanction of Pre-Investment expenditure is on hold and Secy(Power), MoP concern over some of the cluases of MoA between NEEPCO and GoAP
51	Chomi	Kurung	R	165	Kurung Kumey	•Yet to be indicated and earlier alloted to Adveta Power. •MoA to be renewed
52	Chela	Kurung	R	180	Kurung Kumey	•Yet to be indicated and earlier alloted to Adveta Power. •MoA to be renewed
53	Para	Para	R	144	East Kameng	• Yet to be indicated and earlier 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.
54	Tidding-I	Tidding	R	82	Anjaw	• Yet to be indicated and earlier 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	Tidding-II	Tidding	R	70	Anjaw	• Yet to be indicated and earlier 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.
56	Pango (Minnying)	Sirapatang/ Sigong	R	72	Upper Siang	•Yet to be indicated and earlier alloted to Meenakshi Power Ltd. •Held up due to lack of infrastructure, poor communication network and remoteness of site.

57	Sippi	Ringong	R	75	Upper Siang	•Yet to be indicated and earlier alloted to Meenakshi Power Ltd. •Held up due to lack of infrastructure, poor communication network and remoteness of site.
58	Jidu (Yangsang)	Yangsang	R	90	Upper Siang	•Yet to be indicated and earlier alloted to Meenakshi Power Ltd. •Held up due to lack of infrastructure, poor communication network and remoteness of site.
59	Pachuk-II (Satuk)	Pachuk	R	54	Pachuk	• Yet to be indicated and earlier alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
60	Tsa Chu -II	Nykrong Chu	R	148	Nykcharong chu	• Yet to be indicated and earlier alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
61	Pachuk II Lower (kapak Leyak)	Pachuk	R	62	Pakke Bung	• Yet to be indicated and earlier alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
62	Marijingla	Kameng	R	38	Kameng	• Yet to be indicated and earlier alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
63	Marijingla Lower	Kameng	R	44	Kameng	• Yet to be indicated and earlier alloted to Energy Development Co. Ltd. •No progress in the S&I activities of project reported by developer.
64	Rego	Siyom	R	63	West Siang	• Yet to be indicated and earlier alloted to Greenko Energies Ltd. •No progress in the S&I activities of project reported by developer.

65	Rapum	Siyom	R	60	West Siang	• Yet to be indicated and earlier alloted to Greenko Energies Ltd. •No progress in the S&I activities of project reported by developer.
66	Panyor	Panyor (Ranganadi)	R	130	Lower Subansiri	• Yet to be indicated and earlier alloted to Rajratan Energy Holing Pvt . Ltd. •No progress in the S&I activities of project reported by developer.
67	Lower Yamne St-I (Jaru)	Yamne	R	66	Upper Siang	• Yet to be indicated and earlier alloted to Yamne Power Pvt. Ltd. •No progress in the S&I activities of project reported by developer.
68	Emra-II	Emra	R	210	Dibang valley	•Indicated to NHPC and earlier 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
69	Subansiri Upper	Singit	S	1320	Upper Subansiri	•Earlier the project was alloted to KSK Energy Ventures Ltd. The Project has been allotted to NHPC in July 2023
69	**Total**			**11186**		
Note: R –Run of the River & S- Storage						

Status of Large Hydro Power Development in Mizoram

I. Conventional Projects

		Nos.	Capacity (MW)
Exploitable Large 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

Details of Exploitable Large 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	Dhaleshwari/ Tlawng	S	37
9	Tuivawl	Tuivawl	R	50
10	Tuichang	Tuichang	S	57
11	Kolodyne Stage -II	Kolodyne	S	360
11	**TOTAL**			**1926.7**

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))	Year of commissioning
	NEEPCO							
1	TUIRIAL	1	(2X30)	TUIRIAL/ BRAHAMPUTRA	KOLASIB	60	S	2017
1	**TOTAL MIZORAM**	**1**				**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	Dhaleshwari /Tlawng	S	37
7	Tuivawl	Tuivawl	R	50
8	Tuichang	Tuichang	S	57
9	Tuivai	Tuival	R	140
10	Kolodyne St-II	Koldyan	S	360
10	**Total**			**1866.7**

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