

Hydro Electric Schemes concurred/ appraised by Central Electricity Authority and yet to be taken up for construction

S. No	Name of Scheme	State	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
CATEGORY-I: Pending due to Environment and Forest Clearance issues							
(a) Environment Clearance received and Forest Clearance yet to be obtained							
1.	Teesta St-IV	Sikkim	Central	NHPC	520	13.05.10	EC accorded on 09.01.14. FC-I accorded on 26.02.13. FC-II yet to be obtained.
2.	Tawang St-I	Arunachal Pradesh	Central	NHPC	600	10.10.11	EC accorded on 10.6.11. FC-I & FC-II yet to be obtained.
3.	Tawang St-II	Arunachal Pradesh	Central	NHPC	800	22.09.11	EC accorded on 10.06.11. FC-I accorded on 8.01.14. FC-II yet to be obtained.
4.	Sawalkot	J&K	State	JKSPC	1856	18.04.18	EC recommended by EAC on 31.01.17. FC yet to be obtained.
5.	Lower Kopili	Assam	State	APGCL	120	24.05.16	EC accorded on 04.09.2019. FC-I clearance accorded on 05.02.2019. FC-II is awaited.
6.	Turga Pumped Storage Project	West Bengal	State	WBSPCL	1000	05.10.16	EC accorded on 02.07.2018. FC-I accorded on 12.04.18. However, in a Constitutional Writ Petition filed in Hon'ble High Court of Calcutta, the Hon'ble High Court of Calcutta (single bench) has passed a verdict on 02.07.2019 quashing the 'in-principle' stage-I forest clearance granted by MoEF&CC, Govt. of India. An appeal for stay challenging the judgement of single bench has already been filed before the Division bench of Hon'ble High Court, Calcutta by WBSEDCL and GoWB on 17.09.2019 and 1.10.2019. FC-II is yet to be applied.
7.	Miyar	Himachal Pradesh	Private	MHPCL	120	07.02.13	EC accorded on 30.07.12. FC-I accorded on 27.07.12. FC-II yet to be obtained.
8.	Kalai-II	Arunachal Pradesh	Private	Kalai PPL	1200	27.03.15	EC accorded 20.5.15. FC-I and FC-II yet to be obtained.
9.	Heo	Arunachal Pradesh	Private	HPPL	240	28.07.15	EC accorded on 10.11.15. FC-I accorded on 27.10.15. FC-II yet to be obtained.
10.	Tato-I	Arunachal Pradesh	Private	SHPL	186	28.10.15	EC accorded on 10.11.15. FC-I accorded on 27.10.15. FC-II yet to be obtained.

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11.	Talong Londa	Arunachal Pradesh	Private	GMR	225	16.08.13	EC accorded on 07.08.15. FC-I & FC-II yet to be obtained.
12.	Etalin	Arunachal Pradesh	Private	EHEPCL	3097	12.07.13	EC recommended by EAC on 31.01.17. Formal letter will be issued after FC-I. FC-I & FC-II yet to be obtained.
	Sub Total				9964		
(b) Both Environment and Forest Clearance yet to be obtained							
13.	Kirthai-II	J&K	State	JKPDC	930	14.06.19	EC & FC yet to be obtained by developer.
14.	Lower Siang	Arunachal Pradesh	Private	JAVL	2700	16.02.10	EC & FC yet to be obtained by developer.
15.	Hirong	Arunachal Pradesh	Private	JAPL	500	10.04.13	EC & FC yet to be obtained by developer.
16.	Naying	Arunachal Pradesh	Private	NDSCPL	1000	11.09.13	EC & FC yet to be obtained by developer.
17.	Kynshi – I	Meghalaya	Private	AKPPL	270	31.03.15	EC & FC yet to be obtained by developer.
18.	Dikhu	Nagaland	Private	NMPPL	186	31.03.14	EC yet to be obtained by developer. FC not applicable as forest land is not involved.
19.	Attunli	Arunachal Pradesh	Private	AHEPCL	680	02.07.18	Both EC and FC are yet to be obtained.
	Sub Total				6266		
(c) Environment and Forest Clearance Subjudice							
20.	Kotlibhel Stage -IA	Uttarakhand	Central	NHPC	195	03.10.06	EC accorded on 09.05.07. FC-I accorded on 13.10.11 & for FC-II, Compliance Report is awaited from State Govt. The project is included in the list of 24 projects under review by Hon'ble Supreme Court.
21.	Kotlibhel Stage-IB	Uttarakhand	Central	NHPC	320	31.10.06	EC accorded earlier on 14.08.07 is withdrawn on 22.11.10. MoEF&CC declined FC-I on 07.07.11. The project is included in the list of 24 projects under review by Hon'ble Supreme Court.
22.	Alaknanda	Uttarakhand	Private	GMRL	300	08.08.08	EC accorded on 12.3.2008, FC-I accorded on 08.11.2011. FC-II accorded on 09.11.2012. The project is included in the list of 24 projects under review by Hon'ble Supreme Court.
23.	Demwe Lower	Arunachal Pradesh	Private	ADPL	1750	20.11.09	EC accorded on 12.02.10. FC-II accorded on 03.05.2013. As per NGT order dated 24.10.17, NBWL issue to be reconsidered by MoEF&CC.
	Sub total				2565		
	Total (pending for E&F clearance)				18795		

S. No	Name of Scheme	State	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
CATEGORY-II: Environment and Forest Clearance accorded and pending due to other reasons							
24.	Kwar	J&K	Joint Venture	CVPPL	540	23.02.17	EC accorded on 10.04.17. FC accorded on 08.08.14. Contract will be awarded after investment approval by Government. However, Concessions from Govt. of J&K awaited for processing PIB proposal.
25.	Loktak Downstream	Manipur	JV	LDHCL	66	05.05.17	EC accorded on 16.01.13. FC-I accorded on 03.03.11 & FC-II accorded on 22.12.2014. PPA and CCEA approval is pending.
26.	Dibang	Arunachal Pradesh	Central	NHPC	2880	18.09.17	EC accorded on 19.05.15. FC-I accorded on 15.04.15. FC-II accorded on 12.03.20.
27.	Luhri Stage-I	Himachal Pradesh	Central	SJVNL	210	01.05.18	EC accorded on 17.03.20. FC-I accorded by MoEF&CC on 19.09.18 and FC-II accorded on 28.03.2019.
28.	New Ganderwal	J&K	State	JKSPC	93	10.06.14	EC restored on 9.10.15. FC accorded on 02.04.2012. Award of contract packages is under progress. PPA signed with State Government. Loan agreement to be signed with finances.
29.	Nafra	Arunachal Pradesh	Private	SNEL	120	11.02.11	EC accorded on 19.08.13. FC-I accorded on 12.7.11 & FC-II accorded on 26.06.12. Financial closure is yet to be achieved by the developer.
	Sub-Total				3909		
	Grand Total				22704		

Note: Nine projects namely **Tipaimukh** (1500 MW) in Manipur, **Kolodyne St-II** (460 MW) in Mizoram and **Gundia** (200 MW) in Karnataka, **Matnar** (60 MW) in Chhatisgarh, **Kotlibhel St-II** (530 MW) & **Pala Maneri** (480 MW) in Uttarakhand, **Chango Yangthang** (180 MW) in Himachal Pradesh **Rupsiyabagar Khasiyabara** (261 MW) in Uttarakhand, **Athirapilly HEP** (163 MW) in Kerala are excluded from above list as schemes are dropped or likely to be dropped by Govt. of India. **Jalaput Dam Toe** (18 MW) of OPCL in Orissa is also excluded from the list as being small scheme.

Six projects namely **Chhatru HEP** (126 MW) in Himachal Pradesh, **Nyamjangchu HEP** (780 MW) in Arunachal Pradesh, **Tato-II HEP** (700 MW) in Arunachal Pradesh, **Siyom HEP** (1000 MW) in Arunachal Pradesh, **Dibbin HEP** (120 MW) in Arunachal Pradesh and **Devsari HEP** (252 MW) in Uttarakhand are excluded from above list as schemes are taken under survey and investigation.

Total capacity of these Hydro Electric Schemes is **6830 MW**.

Abbreviations:

EC : Environment Clearance
FC : Forest Clearance
DPR : Detailed Project Report

BSR : Basin Study Report
EAC : Environment Appraisal Committee
NGT : National Green Tribunal
NBWL : National Board of Wildlife