

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.	Dibang	Arunachal Pradesh	Central	NHPC	2880	18.09.17	EC accorded on 19.05.15. FC-I accorded on 15.04.15. FC-II yet to be obtained.
5.	Sawalkot	J&K	State	JKSPC	1856	18.04.18	EC recommended by EAC on 31.01.17. FC yet to be obtained.
6.	Lower Kopili	Assam	State	APGCL	120	24.05.16	EC recommended by EAC on 05.12.2017 subject to FC-I clearance. FC-I clearance accorded on 05.02.2019. Letter of EC clearance will be issued soon. FC-II is awaited.
7.	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.
8.	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.
9.	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.

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10.	Heo	Arunachal Pradesh	Private	HHPPL	240	28.07.15	EC accorded on 10.11.15. FC-I accorded on 27.10.15. FC-II yet to be obtained.
11.	Tato-I	Arunachal Pradesh	Private	SHPPL	186	28.10.15	EC accorded on 10.11.15. FC-I accorded on 27.10.15. FC-II yet to be obtained.
12.	Talong Londa	Arunachal Pradesh	Private	GMR	225	16.08.13	EC accorded on 07.08.15. FC-I & FC-II yet to be obtained.
13.	Chhatru	Himachal Pradesh	Private	DSC	126	15.01.15	EC recommended by EAC on 24.02.15. Formal letter will be issued after FC-I. FC-I & FC-II yet to be obtained.
14.	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.
15.	Luhri Stage-I	Himachal Pradesh	Central	SJVNL	210	01.05.18	EC was recommended in EAC meeting held on 27.08.2018. EC is kept pending by MoEF&CC and linking it with outcome of cumulative Impact Assessment studies of Satluj Basin. Final Report of cummulative EIA study of Satluj basin put has been accepted by EAC vide its Minutes of Meeting dated 26.12.2019. Request for EC to MoEF&CC submitted by developer on 30.12.2019. FC-I accorded by MoEF&CC on 19.09.18 and FC-II accorded on 28.03.2019.
	Sub Total				13180		
(b) Both Environment and Forest Clearance yet to be obtained							
16.	Kirthai-II	J&K	State	JKPDC	930	14.06.19	EC & FC yet to be obtained by developer.
17.	Lower Siang	Arunachal Pradesh	Private	JAVL	2700	16.02.10	EC & FC yet to be obtained by developer.
18.	Hirong	Arunachal Pradesh	Private	JAPL	500	10.04.13	EC & FC yet to be obtained by developer.
19.	Naying	Arunachal Pradesh	Private	NDSCPL	1000	11.09.13	EC & FC yet to be obtained by developer.
20.	Kynshi – I	Meghalaya	Private	AKPPL	270	31.03.15	EC & FC yet to be obtained by developer.
21.	Dikhu	Nagaland	Private	NMPPL	186	31.03.14	EC yet to be obtained by developer. FC not applicable as forest land is not involved.
22.	Attunli	Arunachal Pradesh	Private	AHEPCL	680	02.07.18	Both EC and FC are yet to be obtained.
	Sub Total				6266		

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(c) Environment and Forest Clearance Subjudice							
23.	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.
24.	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.
25.	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.
26.	Nyamjang Chhu	Arunachal Pradesh	Private	BEL	780	24.03.11	EC accorded on 19.04.12. FC-I accorded on 9.4.2012. NGT vide judgement dated 7.4.2016, has suspended EC till the time the studies as directed are to be carried out.
27.	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				3345		
	Total (pending for E&F clearance)				22791		
CATEGORY-II: Environment and Forest Clearance accorded and pending due to other reasons							
28.	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.
29.	Kiru	J&K	Joint Venture	CVPPL	624	13.06.16	EC accorded on 24.06.16. FC accorded on 19.05.16. CCEA sanctioned the proposal of Kiru HE Project. Issue of letter of award is pending for want of sanction of Rs. 1500 Crs. subordinate debt from Gol. MOP, Gol vide letter dated 11.12.2019 has intimated to furnish fresh PIB proposal incorporating

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							subordinate debt of Rs. 1500 crs. Draft PIB proposal has been submitted by NHPC to MOP, Govt vide letter dated 13.12.2019
30.	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.
31.	Athirappilly	Kerala	State	KSEB	163	31.03.05	EC restored on 09.10.15. FC accorded. MoEF&CC informed that validity of EC for the project has expired and advised developer to process for fresh EC.
32.	New Ganderwal	J&K	State	JKSPC	93	10.06.14	EC restored on 9.10.15. FC accorded on 16.12.1999. Retendering of the contract works is under process.
33.	Kutehr	Himachal Pradesh	Private	JSWEPL	240	31.08.10	EC accorded on 05.07.2011. FC-I accorded on 22.06.2011. FC-II accorded on 19.02.2013. Financial closure and financial tie-up is under process.
34.	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				1846		
	Total (pending for construction)				24637		

CATEGORY-III: Revised DPRs submitted/to be submitted due to change in Installed Capacity

35.	Tato-II	Arunachal Pradesh	Private	THPPL	700	22.05.12	EC accorded on 27.6.11. Installed Capacity of the project will revise due to change in e-flow releases recommended in BSR and hence fresh DPR to be prepared by developer.
36.	Siyom	Arunachal Pradesh	Private	SHPPL	1000	17.12.13	EC accorded 31.01.08. Installed Capacity of the project will revise due to change in e-flow releases recommended in BSR and hence fresh DPR to be prepared by developer.
37.	Devsari	Uttarakhand	Central	SJVNL	252	07.08.12	EC recommended by EAC on 27.03.18 with additional conditions. FC-I accorded by MoEF&CC on 26.02.18. FC-II yet to be obtained. The developer has informed that the DPR of the project is being revised considering e-flow releases notified in the gazette notification no. 4009 issued by NMCG under Ministry of Jal

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							Shakti dated 09.10.2018. Revised chapter on PPS submitted by Developer on 18.10.2019. PPS has been cleared for an IC of 162 MW vide HPA letter dated 12.12.2019.
38.	Dibbin	Arunachal Pradesh	Private	KSKDHPL	120	04.12.09	EC accorded on 23.07.12. FC-I accorded on 7.02.12. FC-II yet to be obtained. Project is under consideration for transfer to State Govt./ NEEPCO. Installed capacity of the project is likely to be revised. Accordingly, DPR needs to be re-casted.
Total (Revised DPR to be submitted)					2072		
Grand Total					26709		

Note: Eight 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 and **Rupsiyabagar Khasiyabara** (261 MW) in Uttarakhand 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.

Total capacity of these Hydro Electric Schemes is **3689 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