

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

S. No	Name of Scheme	State/UT	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. MOP vide letter dated 22.12.2021 indicated that Tawang-I HEP to be pursued by NEEPCO.
3.	Tawang St-II	Arunachal Pradesh	Central	NHPC	800	22.09.11	EC accorded on 10.06.11. 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 8.01.14. FC-II yet to be obtained. MOP vide letter dated 22.12.2021 indicated that Tawang-II HEP to be pursued by NEEPCO.
4.	Talong Londa	Arunachal Pradesh	Private	GMR	225	16.08.13	EC accorded on 07.08.15. FC-I & FC-II yet to be obtained. MOP vide letter dated 22.12.2021 indicated that Talong Londa HEP to be pursued by NEEPCO.
5.	Etalain	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. MOP vide letter dated 22.12.2021 indicated that Etalin HEP to be pursued by SJVNL.
6.	Sunni Dam	Himachal Pradesh	Central	SJVNL	382	11.02.21	EC accorded on 04.02.22. FC-I accorded on 22.12.2021. FC-II yet to be obtained.
7.	Wah-Umiam Stage-III**	Meghalaya	Central	NEEPCO	85	26.07.21	EC recommended by EAC on 26.02.2018. FC-I and FC-II yet to be obtained
8.	Thana Plaun	Himachal Pradesh	State	HPPCL	191	07.09.21	EC recommended by EAC subject to condition of Stage-I FC. FC-I and FC-II yet to be obtained

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9.	Kirthai-II	J&K	JV	CVPPL	930	14.06.19	EC recommended by MoEF&CC on 15.04.2021 and FC yet to be obtained by developer. The project was handed over to NHPC vide MoU signed on 03.01.21. The project will be executed by CVPPL (A JV of NHPC and JSKPDCL). CEA vide OM dated 29.12.2021 transferred the appraisal of Kirthai-II HEP in the name of M/s. CVPPL.
10.	Turga Pumped Storage Project	West Bengal	State	WBSEDC L	1000	05.10.16	EC accorded on 02.07.2018. FC-I accorded on 12.04.18. FC-II is awaited.
11.	Sawalkot	J&K	Central	NHPC	1856	18.04.18	EC recommended by EAC in its meeting dated 31.01.2017. Formal letter will be issued after FC-I. FC yet to be obtained. The project was handed over to NHPC vide MoU signed on 03.01.21. Extension of validity of Appraisal for further 3 years (i.e.beyond 18.04.2021 to 17.04.2024) was granted vide CEA letter dated 25.03.2022.
12.	Pinnapuram	A.P.	Private	GEPL	1200	20.04.22	EC accorded by MoEF&CC on 14.07.2020 FC-I accorded for 46.64 ha of forest land. FC-II for remaining forest land (321.49 ha) is awaited.
Sub Total					10886		
(b) Both Environment and Forest Clearance yet to be obtained							
13.	Dikhu	Nagaland	Private	NMPPL	186	31.03.14	EC yet to be obtained by developer. FC not applicable as forest land is not involved.
14.	Attunli	Arunachal Pradesh	Private	AHEPCL	680	02.07.18	Both EC and FC are yet to be obtained. MOP vide letter dated 22.12.2021 indicated that Attunli HEP to be pursued by SJVNL.
15.	Dugar	H.P.	Central	NHPC	500	26.04.22	Both EC and FC are yet to be obtained.
Sub Total					1366		
(c) Environment and Forest Clearance Subjudice							

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16.	Kotlibhel Stage -IA	Uttarakhand	Central	NHPC	195	03.10.06	EC accorded on 09.05.2007. However, NHPC vide email dated 02.04.2021 informed that EC expired in May'2012. FC-I accorded on 13.10.2011 & for FC-II, Compliance Report is awaited from State Govt. However, NHPC vide email dated 02.04.2021 informed that FC-I expired in Oct'2016. NHPC vide Office Order dated 12.04.2021 has closed the Project w.e.f. 01.04.2021 The project is included in the list of 24 projects under review by Hon'ble Supreme Court.
17.	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.
18.	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.
Sub total					815		
Total (pending for E&F clearance)					13067		
CATEGORY-II: Environment and Forest Clearance accorded and pending due to other reasons							
19.	Kwar	J&K	Joint Venture	CVPPL	540	23.02.17	EC accorded on 10.04.17. FC accorded on 08.08.14. PIB Proposal at September, 2020 PL for investment approval has been recommended on 14.02.2022. CCEA in ints meeting dated 27.04.2022 accorded investment approval. Re-tendering of all the work packages through e-tender mode is in process. Extension of validity of Appraisal for further 1 year (i.e.beyond 23.02.2022 to 22.02.2023) was granted vide CEA letter dated 25.03.2022.
20.	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 to purchase entire power to be generated from Loktak Downstream Project has been signed on 31.08.2020 between

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							LDHCL and Govt. of Manipur. PIB proposal is under process.
21.	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.
22.	New Ganderwal	J&K	State	JKSPDC	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.
Total (pending for other reasons)				3579			
CATEGORY-III: MoU/ MoA/ Implementation agreement cancelled/ terminated							
23.	Chhatru	Himachal Pradesh	Private	DSIL	126	15.01.15	EC recommended by EAC on 24.02.15, Letter will be issued after FC-I. FC-I & FC-II yet to be obtained. Govt of Himachal Pradesh vide its letter dated 3.10.2019 has cancelled allotment of Chhatru HEP which was allotted on 28.7.2007 to M/S DCM Shriram Infrastructure limited, and terminated the Pre-Implementation Agreement (PIA) signed on 15.2.2008. Further, validity of Concurrence to project expired on 15.01.2020
24.	Hirong	Arunachal Pradesh	Private	JAPL	500	10.04.13	EC & FC yet to be obtained by developer. Government of Arunachal Pradesh vide letter dated 09.07.201 informed CEA that allotment of Hirong HEP to M/s. JAPL 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.
25.	Naying	Arunachal Pradesh	Private	NDSCPL	1000	11.09.13	EC & FC yet to be obtained by developer. Government of Arunachal Pradesh vide letter dated 09.07.201 informed CEA that allotment of Naying HEP to M/s. NDSCPL has been withdrawn/ cancelled vide GoAP letter dated

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							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.
Subtotal (MoU cancelled)					1626		
CATEGORY- IV: Validity of concurrence expired							
26.	Lower Siang	Arunachal Pradesh	Private	JAVL	2700	16.02.10	EC & FC yet to be obtained by developer. 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
27.	Demwe Lower	Arunachal Pradesh	Private	ADPL	1750	20.11.09	EC accorded on 12.02.10. EC extended till 11.02.2023. FC-I accorded on 01.03.2012 and FC-II accorded on 03.05.2013. As per NGT order dated 24.10.17, NBWL issue to be reconsidered by MoEF&CC. 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.
28.	Kalai-II	Arunachal Pradesh	Private	Kalai PPL	1200	27.03.15	EC accorded 20.5.15. Final order will be issued after obtaining FC-I. FC-I and FC-II yet to be obtained. 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.
29.	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. 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.
30.	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. 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.

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31.	Miyar	Himachal Pradesh	Central	NTPC	120	07.02.13	EC accorded on 30.07.12. FC-I accorded on 27.07.12. FC-II yet to be obtained. An 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.
Subtotal (Concurrence expired)					6196		
Grand Total					24468		

Note: Ten 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 and **Nyamjangchu HEP** (780 MW) in Arunachal Pradesh 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.

Four projects namely **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.

Two Projects namely **Nafra HEP** (120 MW) in Arunachal Pradesh and **Kynshi-I HEP** (270 MW) in Meghalaya are excluded from above list as schemes are to be revised.

Total capacity of these Hydro Electric Schemes is **7094 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
(**) : Formerly known as Mawphu Stage-II