Annex-II
As on 30.09.2026

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. Forest Clearance Stage-II is pending on account of following actions required by State Govt.: i) Compliance under "Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006" (FRA-2006) by getting consent of remaining 3 Gram Panchayat Units (GPU's), out of total 10 GPUs and; ii) Completion of settlement of rights under FRA, 2006.
2.	Tawang St-I	Arunachal Pradesh	Central	NHPC	600	10.10.11	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. 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.
3.	Tawang St-II	Arunachal Pradesh	Central	NHPC	800	22.09.11	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. MOP vide letter dated 22.12.2021 indicated that Tawang-II HEP to be pursued by NEEPCO. Validity of Concurrence to the project expired on 23.09.2021.
4.	Thana Plaun	Himachal Pradesh	State	HPPCL	191	07.09.21	EC letter issued on 01.08.2025 FC Stage-I accorded by MoEF&CC on 11.01.2024 . FC-II yet to be obtained. CAT Plan has been approved by Government of Himachal Pradesh on 03.01.2019. Social Impact Assessment (SIA) study for acquisition of Private land has been completed and approved from GoHP vide notification dated 16.12.2020.

S. No	Name of Scheme	State/UT	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
5.	Kirthai-II	J&K	JV	CVPPL	820*	14.06.19	EC recommended by MoEF&CC on 15.04.2021. FC-I accorded on 29.06.2026. FC-II yet to be obtained. The project was handed over to NHPC vide MoU signed on 03.01.21. The project will be executed by CVPPL (A JV of NHPC, JSKPDCL). CEA vide OM dated 29.12.2021 transferred the appraisal of Kirthai-II HEP in the name of M/s. CVPPL.
6.	Sawalkot	J&K	Central	NHPC	1856	18.04.18	The project was handed over to NHPC vide MoU signed on 03.01.21. The project will be executed by NHPC on BOOT basis. Transfer of Appraisal of Sawalkote HE Project from M/s JKSPDC to M/s NHPC Ltd. and Extension of validity of Appraisal for further 3 years (i.e. beyond 18.04.2021 to 17.04.2024) on same terms & conditions as contained in OM 18.04.2018 was granted vide HPA letter dated 25.03.2022. CEA vide letter dated 14.07.2025 accorded 3rd extension of validity of Appraisal upto 17.04.2026. EC obtained on 17.11.2025. FC-I accorded on 10.07.2025. FC-II yet to be obtained. NOC under Wildlife Conservation Act, 1972 accorded by State Forest Dept. vide letter dated 03.01.2024.
7.	Dugar	H.P.	Central	NHPC	500	26.04.22	EC recommended by EAC on 06.09.2022. Application for diversion of 211.84 ha of forest land was submitted by NHPC in the Parivesh Portal of MoEF&CC on 20.02.2021. State Govt. had forwarded the proposal to MoEF&CC, New Delhi on 04.07.2022. The proposal was discussed in the FAC meeting held on 29.11.2023 wherein committee advised for geological study from Wadia Institute. Project is with State Forest dept. FC yet to be obtained. CAT Plan has been approved by State Forest Deptt on 7.5.2024 Presently, a case (CWP-913/2024 NHPC Vs Director of Energy & others in Hon'ble High Court Shimla) against seeking enhanced royalty from Project by GoHP is under progress, wherein Court's order dated 26.2.2024 directed that Petitioner shall not claim any equity qua any expenditure incurred during the interregnum period.Since, proposal for awarding work to Wadia Institute has financial implication so it is kept on hold by Project till the direction from Hon'ble high Court is conveyed.
8.	Etalin	Arunachal Pradesh	Central	NHPC	3097	12.07.13	EC accorded on 23.08.2025. EC transferred from SJVNL to NHPC by MoEF&CC on 22.07.2026. FC-I accorded by MoEF&CC on 20.06.2025. The proposal of transfer of FC-I in favour of NHPC was submitted on 12.06.2026 and presently with Nodal Officer (FC),

S. No	Name of Scheme	State/UT	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
							Arunachal Pradesh. FC-II yet to be obtained.
9.	Kalai-II	Arunachal Pradesh	Central	THDCIL	1200	27.03.2015	EC accorded on 19.06.2026 FC- I was accorded by MoEF&CC on 09.06.2026. FC-II is yet to be obtained. MOP vide letter dated 22.12.2021 indicated Kalai-II HEP to be pursued by THDC. The Government of Arunachal Pradesh has entered into a Memorandum of Agreement (MoA) on 30th Dec'2023 with THDC INDIA Limited, to jointly undertake the development of the 1200 MW Kalai-II hydroelectric project. CEA vide letter dated 23.02.2024 accorded for transfer and revalidation of concurrence.
10.	Kandhaura PSP	Uttar Pradesh	Private	JSW Energy PSP Six ltd	1680	13.06.2025	EC recommended by EAC in meeting held on 30.07.2025. Letter will be issued after FC-I is obtained. FC-I and FC-II yet to be obtained.
11.	Pane PSP	Maharashtra	Private	JSW Neo Energy Ltd	1500	09.10.2025	EC recommended by EAC on 24.12.2025, Final letter to be issued after FC-I. FC-I and FC-II yet to be obtained.
12.	Shirawta PSP	Maharashtra	Private	Tata Power Company Ltd	1800	01.09.2025	EC accorded on 15.06.2026. FC–I issued on 04.06.2026. FC-II yet to be obtained.
13.	Upper Indravati PSP	Odisha	State	OHPC	600	19.08.2024	EC accorded on 03.08.2026. FC-I accorded by MoEF&CC on 15.04.2026. FC-II yet to be obtainned.
14.	Attunli	Arunachal Pradesh	Central	SJVNL	680	02.07.18	EC issed by MoEF&CC on 18.09.2026. FC Stage-I clearance letter issued on 09.06.2026. FC-II is awaited. Land Acquisition under process. MOP vide letter dated 22.12.2021 indicated that Attunli HEP to be pursued by SJVNL. MoA signed on 12.08.2023. CEA vide letter dated 09.11.2023 accorded for transfer and revalidation of concurrence.
	Sub Total				**15844**		
* Originally Kirthai-II HE Project was concurred for an IC of 930 MW vide CEA OM dated 14.06.2019. Thereafter, the installed capacity of the project was modified to 820 MW vide Memorandum of Changes proposal approved by CEA vide letter dated 02.09.2025.							
(b) <u>Both Environment and Forest Clearance yet to be obtained</u>							
15.	Hirong	Arunachal Pradesh	Central	NEEPCO	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 was withdrawn/ cancelled vide GoAP letter dated 21.04.2021 . MOP vide letter dated 22.12.2021 indicated that Hirong HEP to be pursued by NEEPCO. Govt. of Arunachal Pradesh has approved the allotment of Hirong HEP to NEEPCO Ltd.

S. No	Name of Scheme	State/UT	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
							on 13.01.2023. MoA signed on 12.08.2023.
16.	Naying	Arunachal Pradesh	Central	NEEPCO	1000	11.09.13	Both EC and FC are yet to be obtained. MoEF&CC, GoI, vide letter dated 13.07.2026 has shared the MoM of the 57th Meeting of the Expert Appraisal Committee. letter will be issued after FC-I. FC is in process. Government of Arunachal Pradesh vide letter dated 09.07.201 informed CEA that allotment of Naying HEP to M/s. NDSCPL has been withdrawn/ cancelled vide GoAP letter dated 27.04.2021. MOP vide letter dated 22.12.2021 indicated that Naying HEP to be pursued by NEEPCO.Govt. of Arunachal Pradesh has approved the allotment of Naying HEP to NEEPCO Ltd. on 13.01.2023. MoA signed on 12.08.2023.
17.	Dikhu	Nagaland	Private	NMPPL	186	31.03.14	EC yet to be obtained by developer. TOR issued on 27/12/2018. FC not applicable as forest land is not involved. EIA/EMP studies are in progress and yet to be completed. Consent of PPA as per CERC Tariff is obtained. Govt. of Nagaland has forwarded PPA tariff calculations for the approval of Nagaland Regulatory Commission.
18.	Kamala (Subansiri Middle)	Arunachal Pradesh	Central	NHPC Limited	1720	23.05.2025	EC and FC yet to be obtained by developer. TOR issued on 07.08.2024. EIA/EMP studies are in progress.
19.	Anjaw HEP**	Arunachal Pradesh	Private	Lohit Urja pvt Ltd	270	15.10.2025	EC & FC yet to be obtained by developer.
20.	Chichlik PSP**	Uttar Pradesh	Private	Avaada Water Battery Pvt. Ltd.	1560	08.07.2026	EC & FC yet to be obtained by developer. ToR by MoEF&CC: 27.05.2024
21.	Indirasagar Omkaresh war	Madhya Pradesh	Central	NHDC ltd	640	17.08.2026	EC & FC yet to be obtained by developer. EC recommended by EAC of MoEFCC on 22.06.2026. Forest clearance proposal is currently with Technical Officer, Head Quarter, MoEFCC, New Delhi after recommendation by State Govt
22.	Jhariya **	Uttar Pradesh	Private	Jhariya Ananturja Pvt. Ltd.	1620	13.08.2026	EC & FC yet to be obtained by developer.
	Sub Total				**7496**		

** Project appraised by CEA

(c) Environment and Forest Clearance Subjudice

S. No	Name of Scheme	State/UT	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
23.	Kotlibhel Stage -IA	Uttarakhand	Central	NHPC	195	03.10.06	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. 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.
24.	Kotlibhel Stage-IB	Uttarakhand	Central	NHPC	320	31.10.06	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. 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

S. No	Name of Scheme	State/UT	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
							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.
25.	Alaknanda	Uttarakhand	Private	GMRL	300	08.08.08	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 expired on 07.08.2019.
	Sub total				**815**		
	Total (pending for E&F clearance)				**24155**		
CATEGORY-II: Environment and Forest Clearance accorded and pending due to other reasons							
26.	New Ganderbal	J&K	State	JKSPDC	93	10.06.14	EC accorded on 27.9.13 & 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.
27.	Turga PSP	West Bengal	State	WBSEDCL	1000	05.10.16	EC accorded on 02.07.2018. FC-I accorded on 12.04.18 and FC-II accorded on 13.10.2022. Award of contract packages is under progress. CEA vide letter dated 20.11.2024 extended the validity of concurrence for further two years i.e. upto 04.10.2026.
	Total (pending for other reasons)				**1093**		
CATEGORY-III: MoU/ MoA/ Implementation agreement cancelled/ terminated							
28.	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 since 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
29.	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. FRA compliance under process. 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.
	Subtotal (MoU cancelled)				**246**		

S. No	Name of Scheme	State/UT	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
CATEGORY- IV: Validity of concurrence expired							
30.	Lower Siang	Arunachal Pradesh	Private	JAVL	2700	16.02.10	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. 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.
31.	Demwe Lower	Arunachal Pradesh	Private	ADPL	1750	20.11.09	EC accorded on 12.02.2010. EC extended till 11.02.2026. FC-I accorded on 01.03.2012. FC-II accorded on 03.05.2013. However, an appeal was filed against grant of FC before the NGT on 03.05.2014. Hon'ble NGT vide its Order dated 24th October, 2017 dismissed the Forest Clearance appeal of the project and directed the Standing Committee of NBWL to reconsider the issue relating to Demwe Lower HEP and pass appropriate orders. Till such orders are passed, the forest clearance of the project stands suspended. Greenko Energies Pvt Ltd has submitted application on 19.06.2025 for transfer of concurrence . HPA Division has sought relevant documents as per CEA Guidelines on 01.07.2025. no objection for change of name of the SPV for implementation of 1750 MW Demwe Lower HEP from 'Athena Demwe Power Ltd' to 'Greenko Demwe Power Ltd' accorded by State Govt. vide letter dated 10.11.2025. The Standing Committee of NBWL in its meeting held on 07.09.2018, has allowed for commencement of construction subject to certain conditions. MoA signed with state govt on 27.05.2026
32.	Talong Londa	Arunachal Pradesh	Private	GMR	225	16.08.13	EC accorded on 07.08.2015. FC-I & FC-II yet to be obtained. 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

S. No	Name of Scheme	State/UT	Sector	Developer	Installed Capacity (MW)	Date of CEA concurrence/ appraisal	Remarks
							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.
	Subtotal (Concurrence expired)				**4675**		
	Grand Total				**30169**		

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, **Nyamjangchu HEP** (780 MW) in Arunachal Pradesh and **Loktak Downstream** (66 MW) in Manipur 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.

Three projects namely **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.

One Project namely **Kynshi-I HEP** (270 MW) in Meghalaya is excluded from above list as schemes are to be revised.

Total capacity of these Hydro Electric Schemes is **6340 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