

### 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                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|------------------------------|-------------------|---------|-----------|-------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CATEGORY-I: Pending due to Environment and Forest Clearance issues</b>         |                              |                   |         |           |                         |                                    |                                                                                                                                                                                                    |
| <b>(a) Environment Clearance received and Forest Clearance yet to be obtained</b> |                              |                   |         |           |                         |                                    |                                                                                                                                                                                                    |
| 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. FC-II is awaited.                                                                                                                            |
| 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.<br>An MoU was signed between Government of Himachal Pradesh and NTPC Ltd. on 25.10.2019 to set-up the hydro project. |
| 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 | HHPPL     | 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 | SHPPL     | 186                     | 28.10.15                           | EC accorded on 10.11.15. FC-I accorded on 27.10.15. FC-II yet to be obtained.                                                                                                                      |
| 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.                                                                                       |
| 13.                                                                               | Sunni Dam                    | Himachal Pradesh  | Central | SJVNL     | 382                     | 11.02.21                           | EC recommended by MoEF&CC on 07.01.2021. FC-I and FC-II yet to be obtained.                                                                                                                        |
|                                                                                   | <b>Sub Total</b>             |                   |         |           | <b>10346</b>            |                                    |                                                                                                                                                                                                    |

| S. No                                                                                          | Name of Scheme                               | State             | Sector        | Developer | Installed Capacity (MW) | Date of CEA concurrence/ appraisal | Remarks                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------|---------------|-----------|-------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>(b) Both Environment and Forest Clearance yet to be obtained</b>                            |                                              |                   |               |           |                         |                                    |                                                                                                                                                                                                            |
| 14.                                                                                            | Kirthai-II                                   | J&K               | State         | JKPDC     | 930                     | 14.06.19                           | EC & FC yet to be obtained by developer.                                                                                                                                                                   |
| 15.                                                                                            | Lower Siang                                  | Arunachal Pradesh | Private       | JAVL      | 2700                    | 16.02.10                           | EC & FC yet to be obtained by developer.                                                                                                                                                                   |
| 16.                                                                                            | Hirong                                       | Arunachal Pradesh | Private       | JAPL      | 500                     | 10.04.13                           | EC & FC yet to be obtained by developer.                                                                                                                                                                   |
| 17.                                                                                            | Naying                                       | Arunachal Pradesh | Private       | NDSCPL    | 1000                    | 11.09.13                           | EC & FC yet to be obtained by developer.                                                                                                                                                                   |
| 18.                                                                                            | Kynshi – I                                   | Meghalaya         | Private       | AKPPL     | 270                     | 31.03.15                           | EC & FC yet to be obtained by developer.                                                                                                                                                                   |
| 19.                                                                                            | Dikhu                                        | Nagaland          | Private       | NMPPL     | 186                     | 31.03.14                           | EC yet to be obtained by developer. FC not applicable as forest land is not involved.                                                                                                                      |
| 20.                                                                                            | Attunli                                      | Arunachal Pradesh | Private       | AHEPCL    | 680                     | 02.07.18                           | Both EC and FC are yet to be obtained.                                                                                                                                                                     |
|                                                                                                | <b>Sub Total</b>                             |                   |               |           | <b>6266</b>             |                                    |                                                                                                                                                                                                            |
| <b>(c) Environment and Forest Clearance Subjudice</b>                                          |                                              |                   |               |           |                         |                                    |                                                                                                                                                                                                            |
| 21.                                                                                            | 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.<br>The project is included in the list of 24 projects under review by Hon'ble Supreme Court. |
| 22.                                                                                            | 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.<br>The project is included in the list of 24 projects under review by Hon'ble Supreme Court.                  |
| 23.                                                                                            | 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.<br>The project is included in the list of 24 projects under review by Hon'ble Supreme Court.                          |
| 24.                                                                                            | Demwe Lower                                  | Arunachal Pradesh | Private       | ADPL      | 1750                    | 20.11.09                           | EC accorded on 12.02.10. FC-II accorded on 03.05.2013.<br>As per NGT order dated 24.10.17, NBWL issue to be reconsidered by MoEF&CC.                                                                       |
|                                                                                                | <b>Sub total</b>                             |                   |               |           | <b>2565</b>             |                                    |                                                                                                                                                                                                            |
|                                                                                                | <b>Total (pending for E&amp;F clearance)</b> |                   |               |           | <b>19177</b>            |                                    |                                                                                                                                                                                                            |
| <b>CATEGORY-II: Environment and Forest Clearance accorded and pending due to other reasons</b> |                                              |                   |               |           |                         |                                    |                                                                                                                                                                                                            |
| 25.                                                                                            | Kwar                                         | J&K               | Joint Venture | CVPPL     | 540                     | 23.02.17                           | EC accorded on 10.04.17. FC accorded on 08.08.14.<br><br>Revised Draft PIB note to MoP, GoI considering exemptions accorded by GoJK and cost                                                               |

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|-------|-------------------|-------------------|---------|-----------|-------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |                   |                   |         |           |                         |                                    | appraised by CEA at Sept, 2020 PL is in process in MoP. Re-tendering of all the work packages through e-tender mode is in process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 26.   | 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 LDHCL and Govt. of Manipur. CCEA approval is pending. Govt. of Manipur vide letter dated 22.09.2020 has conveyed and vide letter dated 09.12.2020 has reaffirmed the approval of State Cabinet as decided in its meeting held on 06.08.2020 to arrange a grant of Rs. 400 crore out of which an amount of Rs. 99 crore is to be made available as budgetary support from the Ministry of Power as per its guidelines issued on 08.03.2019. |
| 27.   | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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         |                   |         |           | 3699                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|       | Grand Total       |                   |         |           | 22876                   |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**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