

Status of Under Execution Hydro Electric Projects (above 25 MW) in the Country as per Hydro Capacity Programme for the year 2020-21

(As on 30.06.2020)

Sl. No.	Name of Project Executing Agency Date of CEA clearance / Approval Capacity (MW) Broad Features Cost (original/latest) In Rs. Crores.	State Comm. Sch. (original/ Now Ant.	Broad Present Status / Critical Area	Remarks/ Critical issues
Central Sector				
1.	Kameng NEEPCO 02.12.2004 4x150 = 600 MW (2 units in operation, 2 units under construction) Broad Features: Dam :Bichom-69m High, 247.3m long. Tenga – 24.4 High, 103m long. HRT- 6.7m dia, 14.45 km. High Pressure Tunnel (HPT) Total length 3.64 km Surge Shaft: 25m dia, 70m Height P.House- semi-U/G Turbine- Francis Cost: Original: 2496.90 Latest: 7927.34 Contractors Civil : Patel HM : Om Metals & JSC JV E&M : BHEL	Arunachal Pradesh 2009-10 2020-21 (Dec'20)	All major works related to commissioning of project completed. All Units Boxed up. Leakage observed in penstocks during water filling in March, 2018. Thereafter, complete NDT of all joints of pressure shaft / penstock is in progress along with rectification of defects. Progress of Rectification :- Penstock-1 :- Rectification / Repair works completed. Penstock -2 : i) Repair Welding of WELD DEFECT 3691 RM completed out of 5097 RM. Unit#1 & 2 taken as Capacity addition on 10.02.2020 & 03.02.2020 respectively. ii) Repair Welding of OFFSETS:- 806 RM completed out of 877 RM. Balance two units are scheduled to be commissioned in December, 2020.	Rectification / repair works of penstock 2 to be expedited by M/s. Om Metals / NEEPCO.
State Sector				
2.	Sawra Kuddu H.P. Power Corpn. Ltd. Clearance: 10.11.2004 3x37= 111 MW Broad Features: Diversion Structure: 10.45m high Piano Key Weir. HRT- D-Shaped, 5m dia, 11.145Km long. Power House- Under ground Turbine- 500 rpm VF. Switchyard: 220 Kv. Cost: Original: 558.53 Latest: 1181.90 Contractors Civil & HM : HCC / Patel E&M : Andritz	H.P. 2011-12 2020-21 (Dec,20)	All the works related to commissioning of the project completed. Filling of water conductor system resumed from 12.05.2020. The project is programmed to be commissioned in December, 2020.	
Private Sector				
3.	Singoli Bhatwari M/s L&T 11.07.2008	Uttara khand	Dam & Dykes/Barrage: Excavation almost completed and concreting 66169 out of 70220 cum completed. HRT: Excavation and lining completed	- Works severely affected due to flash floods in June, 2013.

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	3x33 MW = 99 MW Broad Features: Barrage-FRL 1017 m, MDDL 1009 m, Barrage Top 1020m HRT- 4.65m dia & 11.870m length Surge Shaft-10 m dia & 102.85 m length Pressure Shaft-One, 3.80m dia & 358m length Penstock- 3 Nos., 2.20 m dia & 34m, 42m, 48m long. P. House-Surface Turbine-Vertical Francis TRT- Open Channel, 650m length Cost : Original : 666.47 Latest: 2100 (PL-2019) Contractors Civil : L&T HM : General Mechanical Works E&M : Voith	<u>2012-13</u> 2020-21 (Dec,20)	Pressure Shaft:: Excavation completed. Power House: Excavation completed & concreting 29365cum out of 29959cum completed. Surge Tank: Excavation completed. 4113.93cum out of 5349cum concreting completed. E&M Works: Boxing up of all the Units completed. Project is programmed to be commissioned by December, 2020.	- HRT Critical
4.	Rongnichu Madhya Bharat Power Corporation Ltd. 01.10.2008 2x48= 96 MW Broad features : Barrage : Height 14m, length 120.00m Desilting Basin : Size (60Lx18Wx7H)m. HRT : Horse shoe type, 12.302km, 4.00m dia Surge shaft : 85m high, 10m dia, orifice dia 1.7m Pressure shaft : 3.0m dia, 415m long steel lined Penstock 812m long Power house : Surface (61.5Lx47.75Wx38.0H) m Turbine : Pelton, vertical shaft, 2nos. Cost : Original : 491.32 Latest : 1187.00 Contractors Civil & HM : Sew E&M : Voith	<u>Sikkim</u> <u>2014-15</u> 2020-21 (Mar'21)	The civil works have been re-awarded to M/s Moshvaraya Infrastructure Ltd. and E&M works to M/s Litosroj Power, Slovakia & CG Electric system, Hungary. Barrage: Excavation completed & 71300 out of 71700 cum concreting completed. HRT: Excavation completed and concreting 8217cum out of 12600cum completed. Surge shaft: Excavation & Concreting completed. Pressure Shaft: 175m out of 1426.50m of steel lining completed. Civil works of VPS completed. Power House: Excavation completed. 15482cum out of 24644 cum Concreting has been completed. E&M works: EOT Crane works completed Unit #1 & #2 : Erection works are in progress.	- Land acquisition. - Poor geology.