

Status of Under Execution Hydro Electric Projects (above 25 MW) in the Country as per Hydro Capacity Addition Programme for 2019-20

(As on 31.05.2019)

1	Kameng NEEPCO 02 12 2004 4x150 = 600 MW 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: 6179.96 Contractors Civil : Patel HM : Om Metals & JSC JV E&M : BHEL	Arunachal Pradesh 2009-10 2019-20 (Dec'19)	All major works related to commissioning of project completed. All Units Boxed up. Leakage observed in penstocks during water filling. Complete NDT of all circumferential joints of pressure shaft / penstock is in progress along with rectification of defects.	Rectification works of leakage observed in penstock 1&2.
	State Sector			
2	Uhl-III Beas Valley Power Corporation Ltd. (HPSEB) 19.09.02 / (TEC -2x50 MW) 3x33.3 =100 MW (Revised vide HPSEB letter dt. 19.01.07. Broad Features: HRT-4.15m x 8.47 km S.Shaft- 13m x 57m Penstock- 3.4m x 1860m P.House- Surface Turbine- V. Francis Cost: Original: 431.56 Latest: 1281.52 Contractors Civil : Continental / Abir HM : PES E&M : BHEL	H.P. 2006-07 2019-20 (Jan'20)	All works completed. During Hydro Static pressure Test of Penstock some leakage was observed. Repair work is in progress. Project is Programmed to be commissioned by January, 2020.	
3	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	H.P. 2011-12 2019-20 (Mar,20)	Barrage: Excavation completed & concreting is under advance stage of completion. HRT: Excavation completed and 10453 m out of 10835 m overt lining completed. Steel Liner erection 262.5m out of 530m completed. Surge Shaft: Excavation & Lining completed. Pressure shaft: Excavation & lining completed. Power House: Excavation completed and concreting almost completed. TRT: lining completed. E&M: All units boxed up. Critical : HRT.	- HRT is critical

	<p>Latest: 1181.90</p> <p>Contractors Civil & HM : HCC / Patel E&M : Andritz</p>			
	Private Sector			
4	<p>Bajoli Holi M/s GMR Bajoli Holi Hydro Power Pvt. Limited 31.12.2011 3x60= 180 MW Broad Features Dam Height-66 M Dam Length-178 M Desilting Chamber- 2 Nos. 240 Mx14.5 MX 10.8 M HRT- Length-15.538 Km., 5.6 M dia P.H. –Surface Cost: Original 1696.93 Latest 2205.00 Contractors Civil & HM : Gammon E&M : Alstom</p>	<p>H.P. 2018-19 2019-20 (Mar,20) (Critical)</p>	<p>Civil Works: 75% works completed. Dam: Excavation completed. Concreting 1,28,890 cum out of 2,10,000 cum completed. HRT: 15.48 km excavation out of 16km completed. 5.89 km lining out of 15.9 km completed. Surge Shaft: Excavation completed. Lining-19m completed. Pressure shaft: Excavation completed. Lining-2217cum out of 20500 cum completed. Power house: Excavation completed. 37708 cum out of 49720cum concreting done. HM Works: 61% works completed. E&M Works: 72% works completed.</p>	<p>-Slow progress of works -Poor approach roads -Power evacuation system is critical. - Due to excessive snowfall on 6th & 7th Feb 2019, in the entire region up to Chamba, access roads got severely damaged. Power Supply remained completely cut off to the entire region during 6th ~25th Feb 2019.</p>
5	<p>Singoli Bhatwari M/s L&T 11.07.2008 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:1694.00(PL-2018) Contractors Civil : L&T HM : General Mechanical Works E&M : Voith</p>	<p>Uttara khand 2012-13 2019-20 (Mar,20) (Critical)</p>	<p>River diversion – completed. Dam & Dykes/Barrage: Excavation almost completed and concreting 65730.85 out of 70220 cum completed. HRT: Excavation completed Overt Concrete Lining 7633m out of 11257m completed. Invert Lining: 7633m out of 11257m completed. Pressure Shaft:: Excavation completed. Power House: Excavation completed & concreting 29218.87cum out of 29959cum completed. Surge Tank: Excavation completed. 4113.93cum out of 5349cum concreting completed. E&M Works: Erection of spiral casing of Unit#1 is in progress. Draft tube erection and EOT crane Erection & Load testing completed.</p>	<p>- Works severely affected due to flash floods in June, 2013. - HRT Critical</p>
6	<p>Sorang Himachal Sorang Power corporation Ltd. June, 2006/ 2x50= 100 MW Broad Features: HRT- 1.5 km Trench Weir-59 m P.House- underground Turbine- Pelton Gross Head-626 m SWYD- 11/400 kV (GIS)</p>	<p>H.P. 2011-12 2019-20 (Mar-20) (Critical)</p>	<p>All Civil Works completed. Both the units are boxed up. During the filling of water conductor system in 1st week of Nov., 2013, leakage occurred in penstock due to cracks. Rectification work completed in April, 2015. Unit #1 synchronized with grid on 30.10.2015, however, could not be commissioned due to non-availability of rated discharge. On 18-11-2015 when Unit # 2 was under trial run, there was rupture in the surface penstock pipe. The incidence caused loss of lives and property. The rectification work is under progress. Land acquisition for new alignment of Penstock & other infrastructure is completed.</p>	<p>- Repair of penstock work</p>

	Cost: Original: 586.00 Latest: 586.00 Contractors Civil & HM : NCC – Maytas – SS JV E&M : Voith Siemens		Fabrication Activity: (i) Rolling of Ferrules completed.	
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Grand Total for HEPs Programmed for 2019-20 : 6 nos. – 1190 MW