



**भारत सरकार**  
**Government of India**  
**विद्युत मंत्रालय**  
**Ministry of Power**  
**केन्द्रीय विद्युत प्राधिकरण**  
**Central Electricity Authority**  
**Hydro Project Monitoring Division**

**Sub:- Tour Report of Budhbir Singh, Dy. Director to Kutehr HEP Stage-I (240 MW)**

Kutehr Hydro Electric Project being executed by M/s JSW Energy Ltd. was visited on 27th to 28th February, 2022 to review the physical progress of the project. During the visit, project official accompanied. Discussion were also held with project officers regarding various aspects on the on going activities of the project including commissioning of the project. It was stated by project head that project will likely to be commissioned by October, 2024. It stated by project head that various works are going on full swing and will meet the target. At present pace of works is good however, needs to be continues monitoring of project so that project may commissioned by schedule.

**2. Introduction:**

Kutehr Hydro Electric Project is a Run-of-the-River (RoR) scheme with installed capacity having three units of 80 MW each located on river Ravi, near village-Holi, Tehsil- Bharmour spread over Chamba Districts of Himachal Pradesh. The design energy of project is 954.70 MU. Project was concurred by CEA on 31<sup>st</sup> August 2010 for an estimated project cost of 1798.99 Crores. MoEF&CC has accorded Forest Clearance Stage-1 on 19.02.2013. Environmental Clearance was accorded on 05.07.2011. Completion period of project is 60 months from Zero date (i.e. financial closure).

Civil works for River Diversion, Barrage including Fish Ladder. Power Intake, Desanding System and Part HRT Upto RD 7500 m including Approach Roads & Dump yards were awarded to M/s

Angelique-PCC Consortium on 29.10.2019. Civil works of surge & pressure shaft, power house, transformer hall, TRT & other works including remaining Part of HRT ( from RD 7500 to RD 14570m) awarded to M/s MF-Bumi Geotech Pvt.Ltd. on 03.10.2019. The Hydro-mechanical works was awarded to M/s P.E.S. Engineers Pvt. Ltd. on 29<sup>th</sup> July, 2020. Further, EM package awarded to M/s Andritz Hydro Pvt. Ltd on 29.07.2020.

### 3. Brief Salient Features of project:

Length of Barrage	193.5m
Barrage Height from foundation Level	27m
Powerhouse	Underground
Design Discharge	96.8 m <sup>3</sup> /s
Head	280.47m
Turbine type	Vertical Axis Francis
Project Cost	1798.99 Cr
Completion Period	60 months from Zero date

### 4 . Progress of various Components:

Zero date for start of construction works of the Project has been redefined as 29.10.2019.

- Barrage excavation (left bank) completed to the tune of 1,46,631 Cum out of 1,58,696Cum. Barrage excavation (right bank) completed to the tune of 5,560Cum out of 52101Cum. Concrete of Left Half of Barrage 46660out of 69,646 Cum completed. Concrete of Right Half of Barrage 2541 Cum out of 90079 Cum completed.
- Intake & Cut-n-cover excavation completed.
- Feeder Tunnel #1 excavation: 484 m achieved out of 593 m.
- Feeder Tunnel #2 excavation 545 m achieved out of 639 m.
- Silt Flushing Tunnel: 295 m achieved out of 532.13 m.
- Head Race Tunnel: Five out of Six Construction Adits to HRT completed, Adit 6 excavation is under progress (i.e. 1451 m out of 1612 m completed). 8955 m out of 14554 m of Head Race Tunnel excavation completed.

**5. Commission Schedule:-** Project is like to be commissioned by October , 2024.

6. Site photographs :

**Excavation of Power House**



## View of Power House





## Desilting Chamber Gantry



ADIT



**ADIT 3**



**ADIT 4**

