

Progress Report of SKDKHEP

Project : Solu Khola (Dudhkoshi) Hydroelectric Project (86 MW)
Employer : Sahas Urja Ltd.
Engineer : Consortium of Hydro-Consult Engineering Ltd. and Fichtner GmbH & Co. KG
Civil Contractor : CE Construction Pvt. Ltd.
HM Contractor : Machhapuchhre Metal and Machinery Works (P). Ltd.
EM Contractor : Voith Hydro Pvt. Ltd.

Due to the worldwide spread of COVID-19 (Corona Virus Pandemic) the work was disturbed for few months from 24th March 2020. Nationwide lockdown imposed by the government affected the smooth progress of the construction work and created difficulties in transportation of construction materials and manpower required for the project. Since this period was the most favourable period for all type of construction works this lockdown has badly affected the progress of the project.

Civil-Surface Works	% Completion with respect to concreting
Weir, Undersluice and Stilling Basin	52%
Intake, Gravel Trap and Flushing	99%
Approach Culvert	100%
Settling Basin	93%
Headrace Culvert	25%
Powerhouse	62%



1. Stilling basin progress after 2nd stage river diversion



2. Headrace culvert concreting work



3. Powerhouse concrete works on progress.

Civil-Under Ground Works	% Completion with respect to excavation
Headrace Tunnel	72%
Penstock Tunnel (Inclined Section)	100%
Penstock Tunnel (Vertical Section)	59%
Adit Tunnels	100%
Surge Tunnel	92%

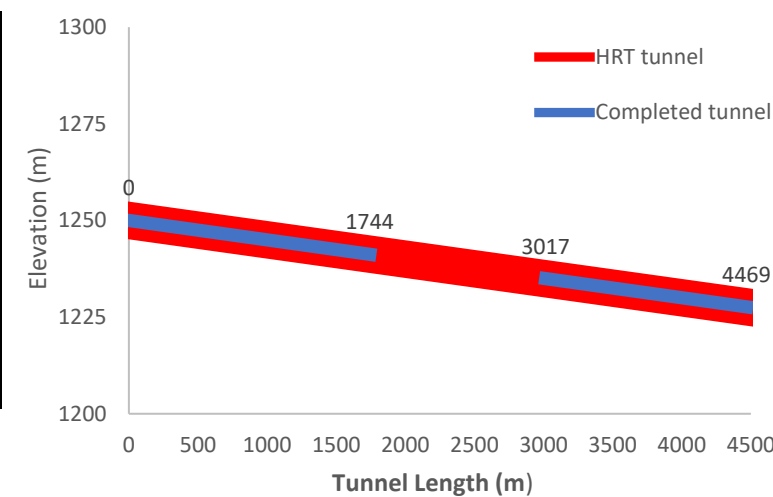


Figure 4. Headrace tunnel progress

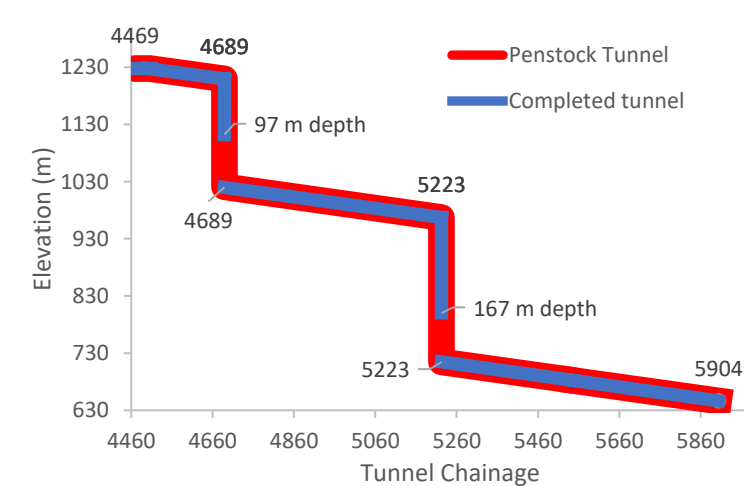


Figure 5. Penstock tunnel



6. Ventilation shaft for surge tunnel

Hydro-Mechanical Works:

- Rolling and welding of penstock pipes - **63% completed**
- Blasting and painting of penstock pipes - **48% completed**
- Steel lining at headworks - **100% completed**
- Embedded parts of gates at headworks - **94% completed**
- Transportation of plates - **89% completed**

Electro-Mechanical Works

- Earth mat transported to site and installed at powerhouse foundation - **65% completed**
- Design of electro-mechanical components - **94% completed**



7. Slotted gate embedded part installation at Settling Basin outlet.



8. Penstock pipe installation at site

Note: The Reporting period is till February end 2021. The latest site photos are updated on timely basis in the Gallery section of our website.