

# 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 24<sup>th</sup> 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 the manpower required for the project. Since this period was the most favourable period for all type of construction work this lockdown has badly affected the progress of the project.

Surface Works	% Completion with respect to concreting
Weir, Undersluice and Stilling Basin	49%
Intake, Gravel Trap and Flushing	89%
Approach Culvert	98%
Settling Basin	80%
Headrace Culvert	10%
Powerhouse	23%



1. Headworks view.



2. Gravel trap, sluiceway canal, approach culvert and settling basin.



3. Concreting work at powerhouse foundation

Under Ground Works	% Completion with respect to excavation
Headrace Tunnel Inlet	46%
Headrace Tunnel Outlet	62%
Penstock Tunnel (Inclined Section)	100%
Penstock Tunnel (Vertical Section)	20%
Adit Tunnels	100%
Surge Tunnel	74%

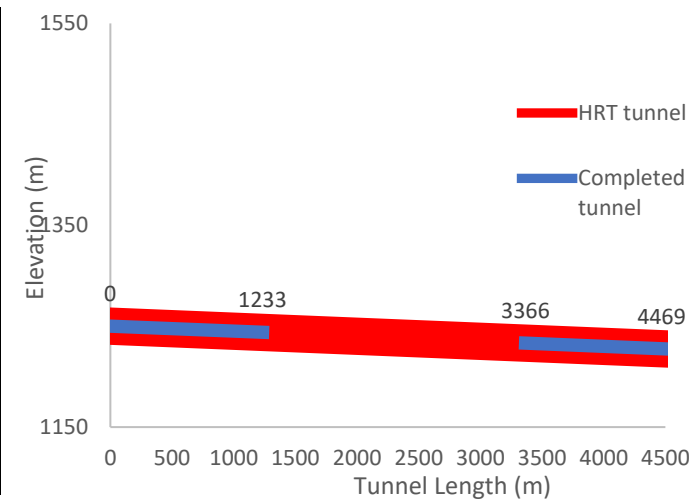


Figure 4. Headrace tunnel progress.

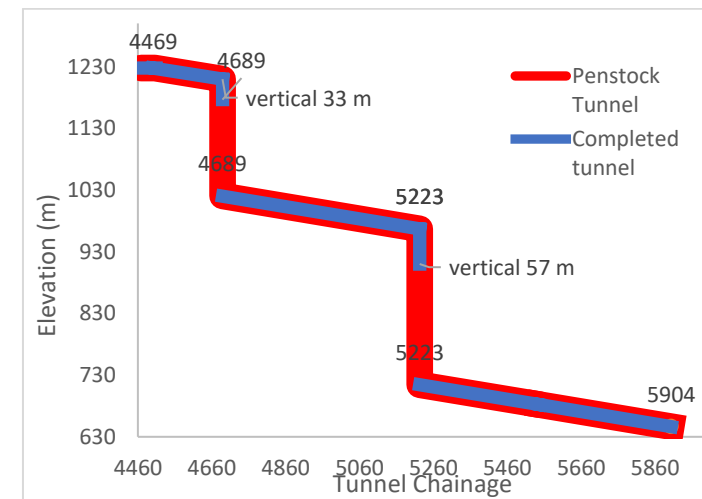


Figure 5. Penstock tunnel progress



6. Vertical shaft excavation works

## Hydro-Mechanical Works

- Rolling and welding of penstock pipes - **27% completed**
- Blasting and painting of penstock pipes - **10% completed**
- Steel lining at headworks - **100% completed**
- Embedded parts of gates at headworks - **92% completed**
- Transportation of plates - **79% completed**

## Electro-Mechanical Works

- Earth mat transported to site and installed at powerhouse foundation - **55% completed**
- Design of electro-mechanical components - **87% completed**

**Note:** The reporting period is till August End 2020. The latest site photos are updated on timely basis at Gallery section of our website.



7. Penstock pipe after rolling at site



8. Laying of earth mat on powerhouse machine foundation