

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 favorable 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	50%
Intake, Gravel Trap and Flushing	99%
Approach Culvert	100%
Settling Basin	91%
Headrace Canal	10%
Powerhouse	37%



1. Headworks view



2. Saddle support preparation at penstock alignment



3. Machine foundation work at Powerhouse.

Civil-Under Ground Works	% Completion with respect to excavation
Headrace Tunnel Inlet	53%
Headrace Tunnel Outlet	67%
Penstock Tunnel (Inclined Section)	100%
Penstock Tunnel (Vertical Section)	35%
Adit Tunnels	100%
Surge Tunnel	90%

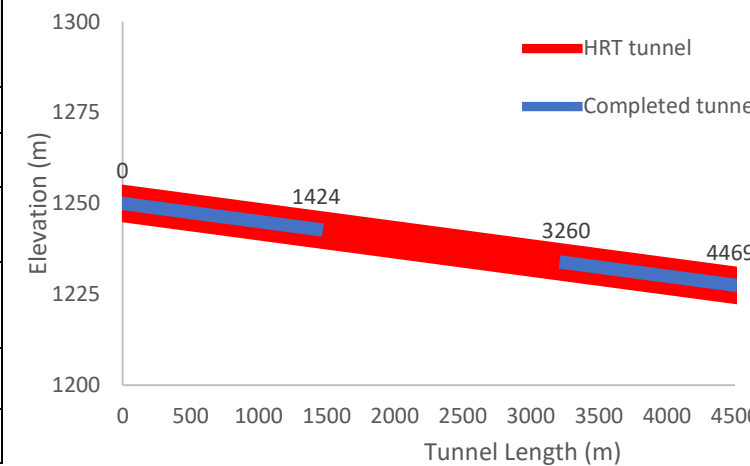


Figure 4. Headrace tunnel progress

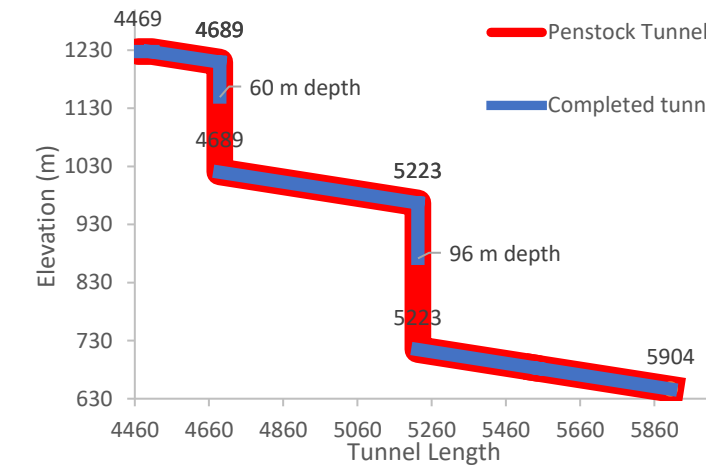
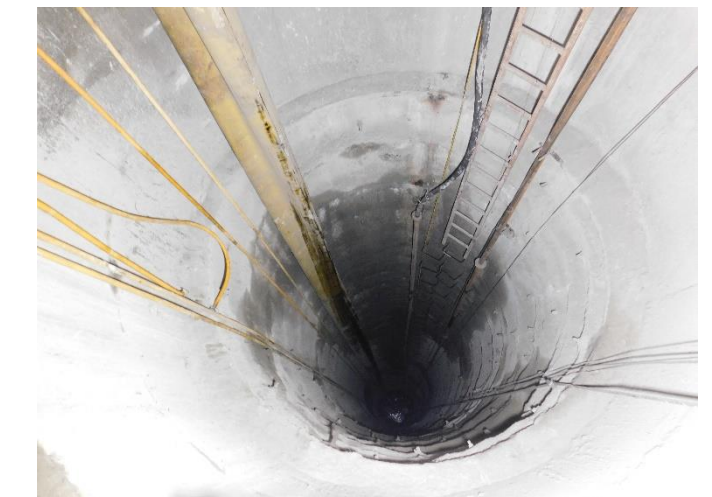


Figure 5. Penstock tunnel progress



6. Vertical shaft work progress

Hydro-Mechanical Works:

- Rolling and welding of penstock pipes - **33% completed**
- Blasting and painting of penstock pipes - **22% completed**
- Steel lining at headworks - **100% completed**
- Embedded parts of gates at headworks - **93% completed**
- Transportation of plates - **87% completed**

Electro-Mechanical Works

- Earth mat transported to site and installed at powerhouse foundation - **65% completed**
- Design of electro-mechanical components - **91% completed**



7. Preparation for penstock pipe fitting in bifurcation tunnel



8. Penstock pipe fitted at one of the bifurcation unit.

Note: The Reporting period is till November end 2020. The latest site photos are updated on timely basis in the Gallery section of our website.