

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	98%
Approach Culvert	100%
Settling Basin	90%
Headrace Canal	10%
Powerhouse	30%



1. Headworks intake top slab concreting



2. Settling basin and headpond area



3. Concreting work at powerhouse foundation

Civil - Under Ground Works	% Completion with respect to excavation
Headrace Tunnel Inlet	52%
Headrace Tunnel Outlet	66%
Penstock Tunnel (Inclined Section)	100%
Penstock Tunnel (Vertical Section)	33%
Adit Tunnels	100%
Surge Tunnel	89%

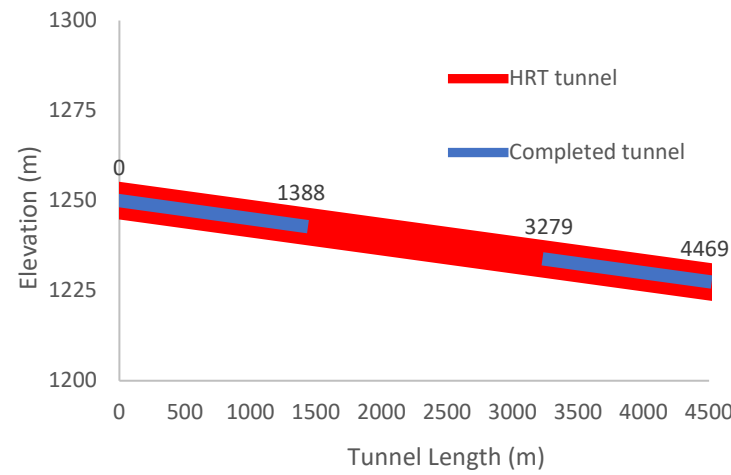


Figure 4. Headrace tunnel progress

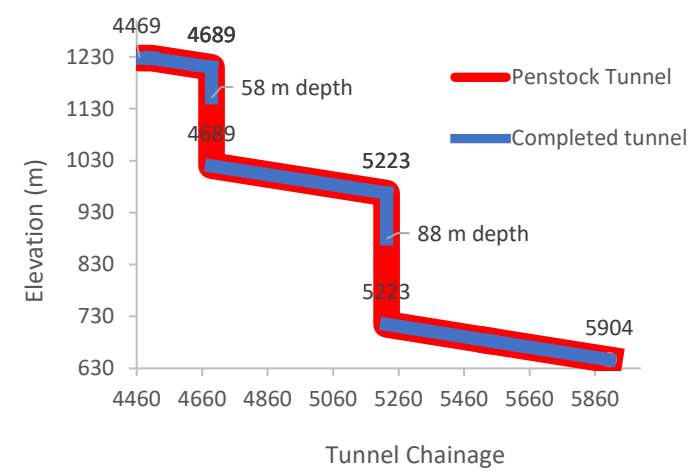


Figure 5. Penstock tunnel progress



6. Winch Machine transporting the workforce to vertical shaft work place

Hydro-Mechanical Works:

- Rolling and welding of penstock pipes - **29% completed**
- Blasting and painting of penstock pipes - **18% completed**
- Steel lining at headworks - **100% completed**
- Embedded parts of gates at headworks - **93% completed**
- Transportation of plates - **84% completed**

Electro-Mechanical Works

- Earth mat transported to site and installed at powerhouse foundation - **65% completed**
- Design of electro-mechanical components - **90% completed**



7. Preparation for penstock pipe fitting in bifurcation tunnel



8. Laying of earth mat in powerhouse control building area

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