

Progress Report of SKDKHEP

Project : Solu Khola (Dudh Koshi) Hydroelectric Project (86 MW)
Employer : Sahas Urja Ltd.
Engineer : Consortium of Hydro-Consult Engineering Ltd. and Fichtner GmbH & Co. KG
Civil Contractor (Lot1): CE Construction Pvt. Ltd.

HM Contractor (Lot 2) : Machhapuchhre Metal and Machinery Works (P). Ltd.
EM Contractor (Lot2) : Voith Hydro Pvt. Ltd.
Auxiliary Civil works (Lot3) : Gaura Construction Pvt. Ltd.
TRL Contractor (Lot4) : Gaura Construction Pvt. Ltd.

Civil-Surface Works	% Completion
Weir, Undersluice and Stilling Basin	92%
Intake, Gravel Trap and Flushing	99%
Approach Culvert	100%
Settling Basin	98%
Headrace Culvert	65%
Powerhouse	87%



1. Headworks area



2. Headrace culvert at headrace tunnel inlet junction



Figure 3. Powerhouse

Civil-Under Ground Works	% Completion with respect to final support
Headrace Tunnel	83%
Penstock Tunnel (Inclined Section)	34%
Penstock Tunnel (Vertical Section)	11%
Surge Tunnel	36%
Adit Tunnels	100%

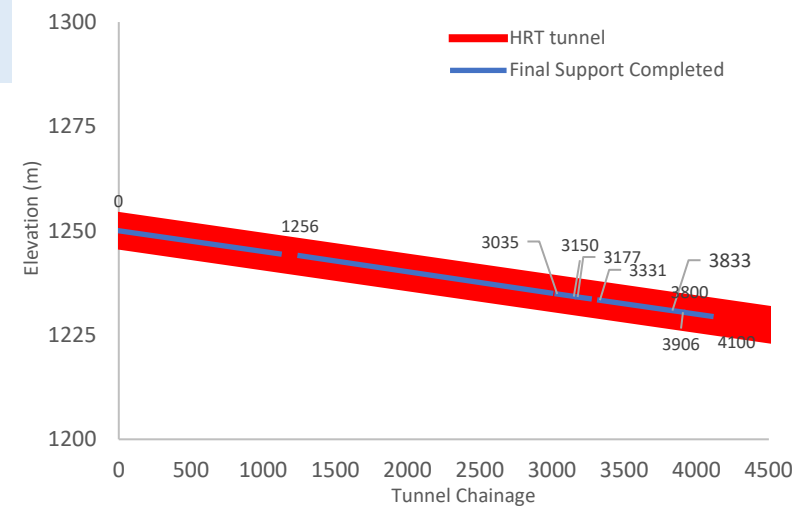


Figure 4. Progress at headrace tunnel

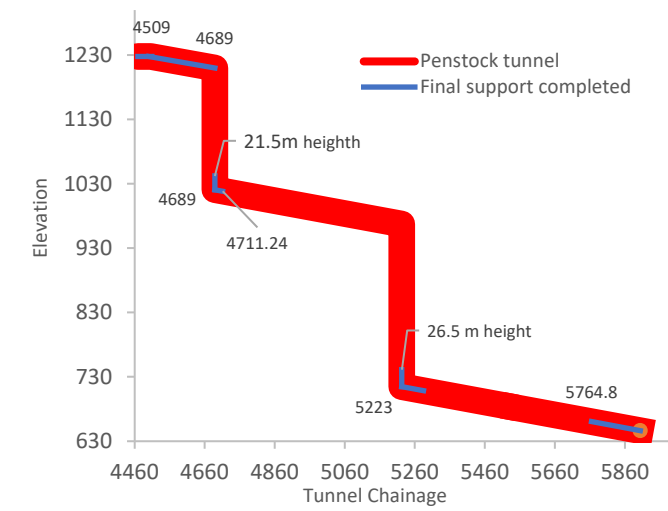


Figure 5. Progress at Penstock tunnel



6. Lining work at surge tunnel

Hydro-Mechanical Works:

- Penstock pipe installation – **37 % completed**
- Steel lining at headworks - **100% completed**
- Embedded parts of gates - **95% completed**
- Installation of Gates at Headworks – **25% Completed**
- Transportation of plates - **100% completed**

Electro-Mechanical Works

- Earth mat transported to site and installed - **70% Completed**
- Design of electro-mechanical components - **97% Completed**
- EOT Crane installation at site – **Completed**
- Turbine housing and distributor pipe installation – **Completed**
- Installation of Nozzle and MIV - **Ongoing**
- Transportation of various Electro-Mechanical component to site - **Ongoing**
- Overall Electro-Mechanical progress - **40% Completed.**



7. Penstock pipe pressure test at site



8. Hydrostatic test of distributor pipe

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