

Progress Report of SKDKHEP

Project : Solu Khola (Dudh Koshi) Hydroelectric Project (86 MW)
Employer : Sahas Urja Ltd.
Engineer : Hydro-Consult Engineering Ltd.
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	100%
Intake, Gravel Trap and Flushing	100%
Approach Culvert	100%
Settling Basin	100%
Headrace Culvert	100%
Powerhouse	94.5%



1. Headworks view



2. Headworks



Figure 3. Dewatering from tailrace during testing

Civil-Under Ground Works	% Completion (excavation and final support)
Headrace Tunnel	100%
Penstock Tunnel (Inclined Section)	100%
Penstock Tunnel (Vertical Section)	100%
Surge Tunnel	100%
Adit Tunnels	100%



Figure 4. Dewatering of headrace tunnel



Figure 5. TRCM installation at intake area



6. EM work progress at interconnection bay, Tingla

Hydro-Mechanical Works:

- Penstock pipe installation - 100% Completed
- Steel lining at Headworks - 100% Completed
- Embedded parts of Gates - 100% Completed
- Installation of Gates - 95% Completed
- Transportation of Plates - 100% Completed

Electro-Mechanical Works

- PH EOT and PPV EOT Crane installation at site - Completed
- Installation of generator rotor and turbine - Completed
- Testing of individual components and panels at control room - Ongoing
- Cable laying and testing work at interconnection bay - Ongoing
- Overall Electro-Mechanical progress - 90% Completed

Other Activities

- Transmission line foundation work- out of 31 towers-all 31-tower foundation and 30 tower erection has been completed, 75% of conductor stringing work is completed.
- Switchyard work is complete, Inter-connection bay at Tingla work- Ongoing
- Water Filling and dewatering work at tunnel and penstock pipe for testing - complete.

Note: The Reporting period is till December end 2022. The latest site photos are updated on timely basis in the Gallery section of our website.



Figure 7. Switchyard and powerhouse view



Figure 8. Testing of Transformer