

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 | 95% |



1. Headworks view



2. Settling basin area



Figure 3. Valve chamber area

| 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. TRCM installation at intake area



Figure 5. Conductor laying



Figure 6. Switchyard nearly ready for testing and charging

Hydro-Mechanical Works:

- Penstock pipe installation - 100% Completed
- Steel lining at Headworks - 100% Completed
- Embedded parts of Gates - 100% Completed
- Installation of Gates - 95.5% 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 at switchyard and substation - Ongoing
- Cable laying and testing work at interconnection bay - Ongoing
- Turbine spinning of all three units for testing - Ongoing
- Overall Electro-Mechanical progress - 94% Completed



Figure 7. NEA MD and team at Lamanne Substation for monitoring the work progress



Figure 8. Puja during turbine spinning event

Other Activities

- Transmission line work- all 31 towers foundation and tower erection work has been completed, 95% of conductor stringing work is completed.
- Switchyard work and Inter-connection bay at Tingla work- Complete
- Preparation for overall testing of the project - ongoing.

Note: The Reporting period is till January end 2023. The latest site photos are updated on timely basis in the Gallery section of our website.