

# 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	99%



Figure 1. Settling basin area



Figure 2. Kholsi protection work at headworks



Figure 3. Fencing work

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



Figure 4. Portal work at adit tunnel 1

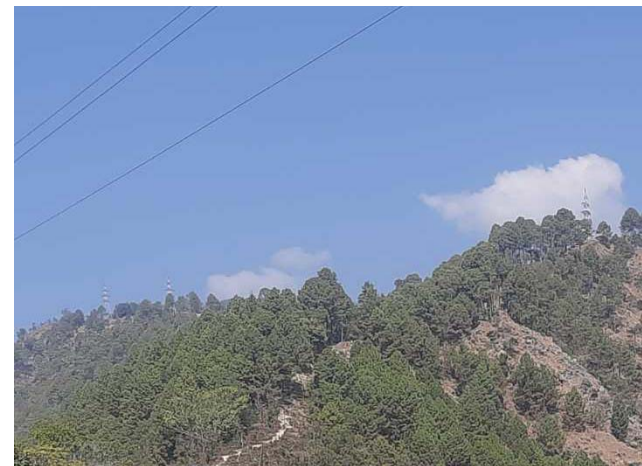


Figure 5. Towers painted white and red for aviation safety purpose



Figure 6. Commissioning started

## Hydro-Mechanical Works:

- Penstock pipe installation - 100% Completed
- Steel lining at Headworks - 100% Completed
- Installation of Gates - 96% Completed

## Electro-Mechanical Works

- Installation of generator rotor and turbine - Completed
- Testing of individual components at switchyard and substation - Completed
- Cable laying and testing work at interconnection bay - Completed
- Commissioning started and connected to national grid - Completed
- Overall Electro-Mechanical progress - 98% Completed

## Other Activities

- Transmission line work- all 31 towers foundation and tower erection work has been completed, 100% of conductor stringing work is completed.
- Plant is connected to National grid.
- Peripheral work like fencing, kholsi protection work and landscaping work - Ongoing



Figure 7. Water from Solu Khola dropped to Dudh Koshi river through Tailrace



Figure 8. Energy generated displayed in control panel

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