

# 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)**  
**EM Contractor (Lot2)**  
**Auxiliary Civil works (Lot3)**  
**TRL Contractor (Lot4)**

**: Machhapuchhre Metal and Machinery Works (P). Ltd.**  
**: Voith Hydro Pvt. Ltd.**  
**: Gaura Construction Pvt. Ltd.**  
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| 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                           | 93.5%        |



1. Puja during waterfilling



2. water filling



Figure 3. Water at headpond during water filling

| Civil-Under Ground Works           | % Completion (excavation and final support) |
|------------------------------------|---|
| Headrace Tunnel                    | 99%   |
| Penstock Tunnel (Inclined Section) | 100%  |
| Penstock Tunnel (Vertical Section) | 100%  |
| Surge Tunnel                       | 99%   |
| Adit Tunnels                       | 100%  |



Figure 4. Painting work at control building of headworks



Figure 5. Tile work at Switchgear room



6. Foundation and cable trench work 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 - 92% Completed
- Transportation of Plates - 100% Completed

## Electro-Mechanical Works

- Earth mat transported to site and installed - 94% Completed
- 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 isolators installation at switchyard - Ongoing
- Overall Electro-Mechanical progress - 87% Completed



Figure 7. Switchyard and Transmission line work progress



Figure 8. Heat exchanger at tailrace

## Other Activities

- Transmission line foundation work- out of 31 towers-30 tower foundation and 28 tower erection has been completed, 66% of cable stringing work is completed.
- Switchyard work, Inter-connection bay at Tingla work- Ongoing
- Water Filling and testing work at tunnel and penstock pipe is ongoing.

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