

KHANI KHOLA-1 HYDROPOWER PROJECT

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Dolakha, Nepal

PROGRESS REPORT

December 25, 2022

GREENLIFE HYDROPOWER LIMITED

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Summary

This report provides a detail overview on the status of the work at project site from September to December 25, 2022. The switchyard civil work will be complete within the month of January, 2023. Likewise, AB 17 work will be complete by mid of February 2023. The Pipe installation under HM works will also be complete by January 2023. The forest issue has been resolved and the work for transmission line will be initiated. After the opening of LC, TPES has also initiated EM works and is in progress and is scheduled to be completed by April 2023. total manpower involved were 45.

1. Project Update

1.1 Civil Works

a. Switchyard

The Switchyard work is divided into two parts: (a) Protection works and (b) Foundation works for line bay equipment. The foundation works for line bay equipment is complete.

Remaining work for Switchyard is as follows:

- i.** Transformer foundation (Delayed due to unavailability of drawings)
- ii.** Gantry foundation
- iii.** Cable Trench
- iv.** Red clay backfilling

All the above-mentioned work will be completed within the month of January 2023.

b. Vertical backfilling and Anchor Blocks

The vertical backfilling is complete. The last 15 m concreting (M20) is remaining. It is a part of AB 17. This will commence within the first week of January. The AB 1 and AB 17 is pending. AB 1 has been initiated and AB 17 will be initiated after installation of bend no. 17 (after completion of M20 concreting in vertical shaft). This task will be completed by the mid of February 2023.

c. Headworks

The only pending works remaining is flushing wall for headpond. This work can only be initiated after the installation of gates in desander. The flushing wall is to be expected to be completed within end of February, 2023, based on the commitment of Shine Hydro for completion of gates.

1.2 Hydromechanical Works (HM)

Remaining work for HM is as follows

Out of 44 pipes 26 has been installed till date. The tractor forementioned in the last report has been repaired and the transportation of the pipes are ongoing. Based on commitment from Shine Hydro, the pipe installation will be complete by January 2023.

All gates have been delivered to site for installation. Shine Hydro team is mobilizing team for installation of gates by the first week of January.

1.3 Transmission line

The progress on transmission line was delayed due to the forest issue. The forest issue has been resolved and further administration work are in progress which will ease the commencement of TL work.

1.4 Electromechanical Works

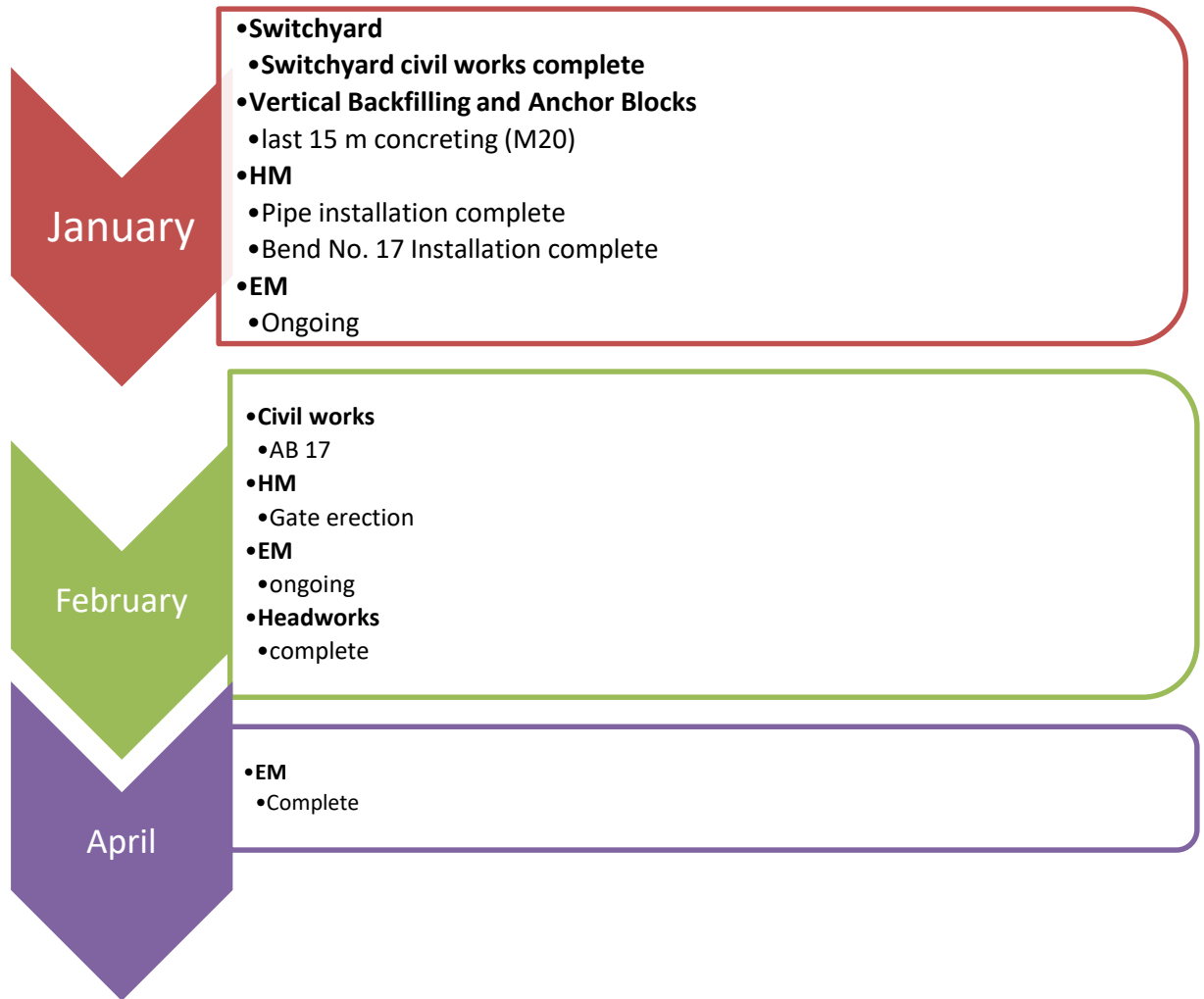
The LC for EM was finally issued on September 24, 2022 after which the work on EM has been initiated. TPES has committed to commission the project by April 2023. At the moment following task is ongoing

- i. EOT crane repair will be completed by January 15
- ii. Removal of Old panels from the power house
- iii. Removal of rust from Turbine, MIV and Generator
- iv. Procurement for ventilation

TPES has been providing weekly progress report to the bank to update on the status of EM as a whole.

2. Work Plan

Based on the completed tasks so far, a work plan was developed and presented below.



3. Manpower

The total manpower currently involved at site is 50.

Shown below is the amount of manpower in tabular format

S. No .	Category	Contractor	Manpower (Number of individuals)
1.	Vertical /AB/PH	EIB	30
2.	Switchyard + Line Bay	EIB	5
3.	HRT Penstock Erection	Shine	15
	Total Manpower		50

4. Issues and Challenges

- **Forest Issue**
 - Due to delay in the clearance on forest issue, work under transmission line was delayed which was resolved in December and further administration work is in progress to launch the tasks in the site.
- **Funding Issue**
 - Unavailability of funds due to the liquidity crunch in the market also hampered the construction phase.



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