

Executive Summary:

This Progress report is prepared to provide an update on the progress of Upper Myagdi Hydroelectric Project 37 Mw, Myagdi. It includes detail about project activities and progress made from Poush to Chaitra end, 2082. The major progress is given below;

➤ **Official progress:**

- ✓ Company conversion from Private to Limited approved.
- ✓ Preliminary report for revised IEE submitted to DOED.
- ✓ DDA in progress for 46.25 MW financing.
- ✓ All most all HR plates imported and supplied to contractor for Hydromechanical works.
- ✓ New amendment of Bill of Quantity of packages of all contractors.
- ✓ Land acquisition for Transmission line going on and survey report is prepared.

➤ **Site Progress:**

➤ **Infrastructures development works:**

- ✓ **Access Road construction to Outlet: 2.5 Km from PH** all completed. Grading Protection and maintainace on going.
- ✓ **Access Road construction to Adit: 1.5 Km from Adit Road Junction** all completed. Grading Protection and maintainace on going.
- ✓ **Access Road to Headworks: 5 Km from Powerhouse** all completed. Grading Protection and maintainace on going.
- ✓ **Construction of all three of Bailey Bridge in PH, Adit3 and Headworks are completed.**
- ✓ **Camp-house construction completed.** All necessary items and facilities are adjusted.

➤ **Construction Power, Crusher Plant & Army Camp Construction:**

- ✓ Construction of 33 KV transmission line for construction power has already been constructed.
- ✓ Transformer set for different working fronts reached at site.
- ✓ Army camp & Bunker house has already been completed & also Nepal army has been Mobilized.
- ✓ Crusher plant Installation-Completed & production has already been started.

Percentage of Achieved Progress- Infrastructure development works-100%.

➤ **Civil Works:**

➤ **Civil Underground works:**

- Tunnel works from Access tunnel (Adit-1) portal, Desander flushing tunnel portal (adit-2), Adit-3 tunnel portal, outlet tunnel portal (Adit-4) and surge portal has been completed.
- Tunnel construction works of Adit-1(Desander access) 110.68m, Adit-1(Operating) 137m, Adit-2(HRT access) 151m, Adit-3 307m and Adit-4 (outlet/Penstock tunnel) 122.51m has completed.
- Excavation of Adit-2 (Flushing tunnel to desander 1st and 2nd bay), 241.53m is completed.
- Excavation of both bays of desander is going on and progress of 232.64 m in both Bay with 1st stage benching
- Excavation of 335.38m of Surge Tunnel is achieved i.e 180.22m from Adit 4 and 155.116m from Surge Portal, and to be completed with Baisakh 2083
- Tunnel excavation work of **Head Race Tunnel (HRT)** is going on & total of **1708.85** m (from adit 2 D/S, adit 3 U/S D/S, Adit 4) progress has been achieved.
- Portals for Intake Tunnel, Gravel flushing has already been completed.
- Intake tunnel excavation is completed

- Tunnel excavation of Gravel flushing completed.
- Connecting tunnel to desander 1st and 2nd bay to be started after intake is completed also bypass tunnel to be completed soon.
- In total tunnel of 3845.57 is excavated out of 6425.139m as total progress of 59.85% is achieved.

➤ **Civil Surface works:**

- **Headworks**

- ✓ Half of weir construction is on going and 50% of total progress to be achieved within Jestha 2083 and 50% of remaining work to be executed in next season.
- ✓ Undersluice civil works is going on with the progress of 60% and to be completed within Jestha 2083
- ✓ Excavation for weir, Undersluice, Stilling Basin completed and Concreting of Cut-off structures in Weir, Undersluice and Stilling Basin is going on.
- ✓ Intake excavation completed, bottom slab concreting works and reinforcement works on other structures going on
- ✓ Regular Maintenance like stone soling, retaining walls, gabion wall is being constructed for Access road.

- **Powerhouse**

- ✓ Concreting works from foundation to loading bay level completed.
- ✓ Concreting works upto EOT crane level to be completed within a month.
- ✓ Assembly of EOT crane and roofing of the Powerhouse to be completed with Asar 2083.
- ✓ Concreting works on Tailrace and PH protection walls are going on as more than 60% of its civil works are completed
- ✓ Penstock excavation completed and Concreting works on anchor blocks to be started.
- ✓ Tower layout for 132 KV TL completed and land acquisition for TL is in process.

➤ **Hydro-mechanical works:**

- ✚ Contractor: Machhapuchre Metal and Machinery works Pvt.Ltd, Pokhara.
- ✚ Design of Hydromechanical works like Intake gate, stop log, Undersluice radial gate, bifrucation, Tailrace gate are completed.
- ✚ All most all of HR plates of required specification for HM works are already supplied to the contractor.
- ✚ Camp for HM workers are established.
- ✚ Hydro mechanical works in weir, undersluice, tailrace has already started
- ✚ Steel Lining for all undersluice and weir portion is going on
- ✚ Intake and undersluice gate framework installation works going on
- ✚ Rolling of HR plates for penstock is in progress.

➤ **Electromechanical works:**

- ❖ Contractor: TROYER Italy.
- ❖ Design for 2 units of Pelton @18.5 Mw completed, Design of Single unit of Pelton @9.25 Mw is on process
- ❖ Manufacturing process is going on
- ❖ EOT crane is to be supplied and assembled in Powerhouse within end of May i.e before monsoon

➤ **Transmission line:**

- Tower layout for 132 KV TL has completed.
- Land acquisition for TL is in process.
- Design of Tower has completed.

➤ **Immediate Plan: Up-to Ashad End-2083.**

- ✓ 50% completion on weir construction.

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- ✓ Completion of civil works on undersluice, intake and installation of hydromechanical accessories.
- ✓ Speeding of all underground tunnel excavation and to be completed within 4 months.
- ✓ Concreting works on Desander when the excavation is completed.
- ✓ Completion of surge tunnel excavation
- ✓ Finishing works to be started in Underground tunnels.
- ✓ Concreting works in anchor blocks from 7 to 18.
- ✓ Completion of civil works on Powerhouse superstructure and Roofing it.
- ✓ Land acquisition for 132 KV transmission line

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Tabular Presentation of Work Progress:

A	Infrastructure Development Works	Progress/status	Completed %
A-1	Access Road/3 Bailey Bridges	Completed	100%
A-2	Camp & facilities including Army Camp & Bunker	Army camp completed/staff camp	100%
A-3	Construction power/crusher plant installation	Completed	100%
	Sub-Total		100%
B	Civil Construction Works		
B-1	Civil Surface works	Concreting works	50%
B-1-I	Headworks (All)	45%	
B-1-II	Powerhouse/ Tailrace/ Switchyard	55%	
B-2	Civil Underground works	Under-construction	
i	Portal Preparation (Adit-I to Adit-4)	Completed	100%
ii	Adit-I (Access Tunnel to Desander)	Completed	100%
iii	Adit-1B (Operating Tunnel)	Completed	100%
iv	Adit-2A (flushing tunnel)	Completed	100%
v	Desander (Both Bay)	232.64/ ongoing	72%
vi	HRT access from Flushing Junction	Completed	100%
vii	Head Race Tunnel (HRT)	1708.85m/ ongoing	43.92%
viii	Adit-3 (Main adit to HRT)	Completed	100%
ix	Adit-4 (Outlet tunnel)	Completed	100%
x	Surge tunnel	335.38m/ ongoing	86.45%
xii	Connecting Tunnel	335.38m/ ongoing	83.32%
xiii	Bypass tunnel	29.71m/ ongoing	36.62%
xiv	Gravel Flushing	65.81m/completed	100%
	Sub-Total (Overall)		59.85%
C	Hydro-mechanical Works	Design Finalized/Manufacturing on going	41%
D	Electromechanical Works	Design Finalized/ Manufacturing ongoing	34%
E	T/L & Interconnection Substation	Survey & design	30%
	Overall Progress		52.64%

PHOTOGRAPHS:



Figure 1: Consortium Banks site visit-Headworks.



Figure 2: Design Consultant Site Visit.



Figure 3: Intake Orrifice gate raft

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Figure 4: Overall Headworks



Figure 5: Overall Headworks

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Figure 6: Undersluice

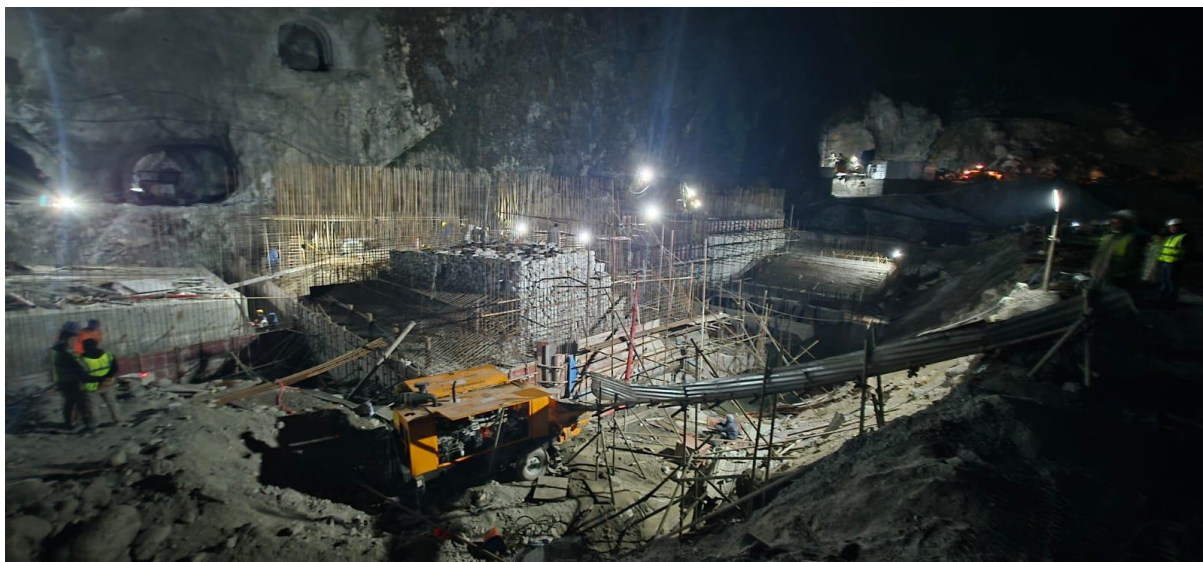


Figure 7: Construction 24/7



Figure 8: Sand flushing tunnel



Figure 9: Desander excavation going on



Figure 10: Desander excavation going on



Figure 11: Adit 2 HRT DS



Figure 12: Gravel trap operating tunnel



Figure 13: Intake Tunnel



Figure 14: Undersluice Platform tunnel portal



Figure 15: Gravel Trap Tunnel



Figure 16: Gravel Flushing Tunnel



Figure 17: Adit 3 HRT US Tunnel



Figure 18: Adit 4 HRT outlet



Figure 19: Adit 3 HRT DS



Figure 20: Concreting Works on Powerhouse



Figure 21: High Levels on Site Inspection



Figure 22: Concreting works on powerhouse

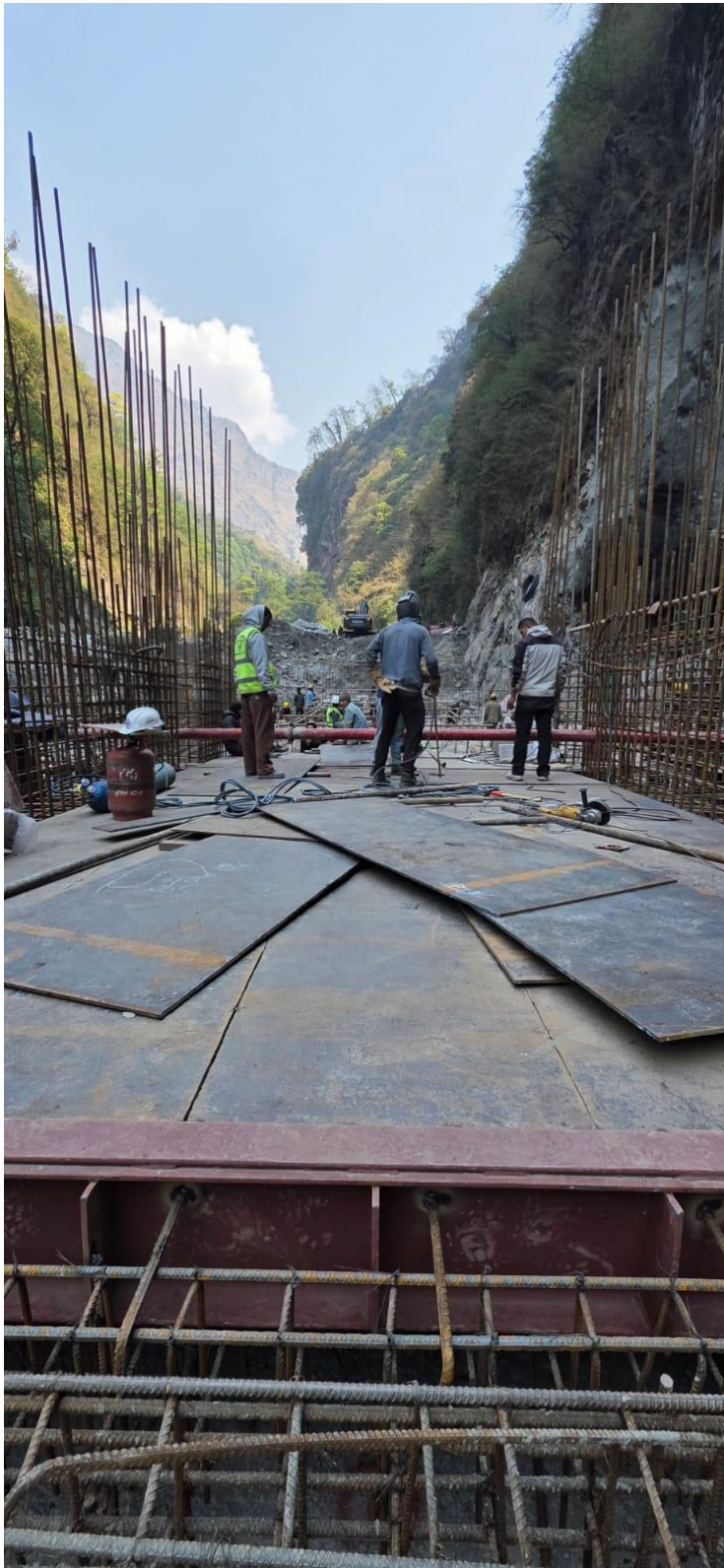


Figure 23: Steel Lining works on Undersluice

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Figure 24: River protection wall on Powerhouse



Figure 25: Completion of Powerhouse Upto Loading bay Level

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Figure 26: HR pates



Figure 26: Rolling of HR pates

Thank You!