Monthly Progress Report

Amadablam Mini Hydro Subproject (911 kW)

Khumbu Pasanglhamu Rural Municipality, Ward No. 4

Solukhumbu, Nepal

Submitted To:

Alternative Energy Promotion Centre (AEPC)

Mini Grid Energy Access Project (MGEAP)

Central Renewable Energy Fund (CREF)

Siddhartha Bank Limited (SBL)

Khumbu Pasanglhamu Rural Municipality (KPLRM)

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August 2025

Monthly Progress Report of August 2025

1. Executive Summary

1.1 Brief Overview of the Project

Amadablam Mini Hydro Pvt. Ltd, Tilganga -8, Kathmandu, an Energy Sector Company (ESCO) intends to implement Amadablam Mini Hydro Subproject in Khumbu Pasanglhamu Rural Municipality-4, Solukhumbu district in Koshi Province, as a business /PPP model through technical and discussion in financial support of Government of Nepal and the World Bank through AEPC/MGEAP. The sub-project is in Sagarmatha National Park which lies on the trekking trail of Everest Base Camp which is one of the most popular tourist areas of Nepal. ESCO intended to provide electricity to households and other energy users such as Anchors/Business and Community. ESCO will be responsible for development, operation, maintenance, and management of the mini hydro plant. They will be functioning as a service provider and owner of the subproject.

Amadablam Mini Hydro Pvt. was changed to a public limited in 10th October 2023. This was done to facilitate the process of PPP model with Khumbu Pasanglhamu Rural Municipality. At present there are seven number of shareholders in the company, which also includes Beyul Hydro investment Pvt. Ltd. The office of Amadablam Mini Hydro Limited was located in Kapan, Nilopul, Kathmandu. Office location has been recently changed to Chandol, Kathmandu. The subproject is to be implemented as a business model through the technical and financial support of the Government of Nepal and the World Bank through AEPC/MGEAP. Furthermore, the subproject is supported by Foreign, Commonwealth and Development Office (FCDO) through AEPC/NREP.

Amadablam Mini Hydro Project is a run of the river type (RoR) scheme located in ward no-4 of Khumbu Pasanglhamu Rural Municipality of Solukhumbu district. The project is located inside the core region of Sagarmatha National Park. The project utilizes water diverted from Cholunche Khola to generate 911 kW power. The design flow of the project is 250 lps and gross head is 471.87 m. Cholunche Khola is a perennial river which flows from the Himalaya peak on the Northern side of Solukhumbu district and is a tributary of the Imja River. The project site is located near Pangboche village of Solukhumbu district. The boundary coordinates of the project lie between latitude 27° 50' 50" N and 27° 51' 40" N and longitude 86° 47' 49" E and 86° 49' 19" E. The proposed intake site is located at 27°50'56.52"N, 86°49'6.15"E and an elevation of 4422 amsl. The powerhouse site is located at 27° 51 '12.98"N, 86° 47' 49.21"E and an elevation of 3951.18 amsl. The project will be serving 451 households.

Project Financials:

SN	Source of Fund	Amount (NRs.)
1	AEPC	
1.1	Subsidy (MGEAP)	128,307,000.00
1.2	VGF Support (SECF)	170,050,000.00
2	Loan from Partner Bank (Siddhartha Bank)	150,000,000.00
3	Equity of ESCO	90,544,638.89
4	Investment of RM	80,000,000.00
	Total Subproject Cost (1+2+3)	**618,901,638.89**

1.2 Summary of key accomplishments to date

1.2.1 Agreements between Stakeholders

ESCO and RM :

First agreement : 1st January 2024

First Amendment : 12th February 2025

Second Amendment : 15th April 2025

AEPC and ESCO : 29th March 2024

ESCO and Partner Bank:

Syndicated Credit Facilities Agreement : 7th January 2024

Supplementary Credit Facilities Agreement : 22th April 2025

1.2.2 Procurement

There have been few items remaining as per the BoQ and AMHL has started procurement processes. The quotations for the purchase of the power transformers and a remaining 50 kVA transformer have been collected whereas a report is being prepared. Other remaining items have also been prepared for purchasing through Best Commercial Practice and the detailed cost breakdown as per the DFS/DED has been shown in the annex.

1.3 Key Challenges Encountered and Solutions Implemented

Though the civil work has been going on during this month, the progress has not been satisfactory. The civil construction materials were not sufficient at the site and proper bar schedule has not been provided yet by the contractor. Efforts have been going on to speed up the work.

About the transmission cables, the change will result in escalation of the cost of the product and hit the transportation cost by the comprehensive rate. The preliminary meeting between AMHL and AEPC has certainly addressed the issue but formal approval needs to be sought before initiation. It is also necessary to address the extension of line to the Mingbo village near the intake area wherein 3 enterprises exist which is missing in the DFS/DED. The detailed cost breakdown for the extension has been shown in the annex.

There has been some reluctance shown by the contractor of the EM component. Thus, first advance payment under APG has been initiated by opening the LC and the contractor has sent the draft APG for review but could not be completed till date.

2. Work Progress Overview

Amadablam Mini Hydro Limited is somehow satisfied with the current work progress of the contractors. The civil contractor has shown some milestones and planning for the submission of the running bill. So far, the contract extension of the T&D contractor needs to be extended. The contractor has mobilised for site verification of the T&D works and planning for FAT of the distribution cable. The HM contractor has signed an agreement with the airlifting company for transportation of the HM components from roadhead to site and requested for advance payment. The EM contractor has provided the invitation letter on nomination from the board meeting for inspection of the property in Greece and AMHL has initiated the documentation.

2.1 Activities

2.1.1 Human Resource Management

The Human Resource status of Amadablam Mini Hydro Limited reflects a committed and capable team. Regular attendance and strong performance are driving the success of the project. Continued investment in employee engagement and development will be key to sustaining this progress.

2.1.2 Meetings and Events

Virtual Meeting with Site Team and AEPC representative, Mr. Keshav Pradhanang

A virtual meeting was held on 15th August 2025 between the AMHL site team and the AEPC representative, Mr. Keshav Pradhanang to review the progress of the Amadablam Mini Hydro Subproject. The discussion focused on the status of works, challenges being encountered on the ground, and the urgent actions required to advance the project within the limited favorable construction season.

On the civil works, work at the gravel trap and desilting basin is in progress but moving at a very slow pace due to inadequate labor mobilization. The Site Supervision Engineer and ESS Officer reported that only 11 laborers are currently deployed, which is grossly insufficient considering the scale of work. The site team emphasized the urgent need to mobilize additional manpower during this favorable construction period. Excavation along the penstock alignment had also commenced, with about 10 meters of trench completed, but progress has now come to a halt for the same reason. Powerhouse construction is scheduled to begin by mid-October 2025, though this milestone is likely to be delayed if the contractor does not mobilize sufficient manpower immediately. It was further noted that excavation of the intake and under sluice structures cannot be completed this season, as the required depth lies approximately two meters below the current water level, making it technically unfeasible under present conditions.

In terms of Transmission and Distribution (T&D) works, encouraging progress has been achieved in the approval process of the HT cable after resolving variations between the DFS and DED specifications. However, the contractor has not yet submitted the second Advance Payment Guarantee, delaying the release of the second advance payment and posing a risk to the timely mobilization of T&D activities. The contractor is planning a site verification visit in the coming weeks to confirm on-site conditions and to identify any additional variations that may require attention. Additionally, the electrification study for Mingmo village, which had been omitted from the DFS-DED, has now been completed. A draft report including both technical findings and the additional costs has been submitted to AEPC for review and consideration in the project scope.

Regarding Hydro-Mechanical (HM) works, coordination between HM and civil contractors is ongoing, particularly with respect to intake structures. Nonetheless, concerns were raised about the slow progress of the HM contractor. The meeting strongly recommended that fabrication of the headrace pipe and bell mouth be expedited and dispatched to site without causing any delays to the civil work at the intake. Another critical issue is the helicopter transport agreement, which the HM contractor has yet to finalize despite repeated reminders. Since this document is essential for the airlifting/ transportation of penstock pipes and other HM equipment to the sub project site and coordination with civil contractor for an excavation work on trench, any further delay will directly impact on the construction schedule. Moreover, the factory inspection visit initially scheduled for 30th July 2025 had to be canceled due to the contractor's shortage of workers. It was agreed that this inspection must be promptly rescheduled to avoid delays in equipment verification and subsequent dispatch.

For Electro-Mechanical (EM) work, AMHL has reestablished communication with Mr. Vassos after a gap of about two and a half weeks. Although a draft Advance Payment Guarantee has already been reviewed and sent back with feedback, the contractor has yet to submit the final document. The delay has been attributed to the summer holiday period in Greece and Germany, with Allianz Bank expected to issue the guarantee by the end of August 2025. Any further delay in securing the advance payment may cause setbacks in fabrication and timely delivery of powerhouse equipment. Despite this, procurement progress was noted, as the contractor has placed a purchase order with Marelli Motors in Italy for the generators and has fabricated certain other equipment in-house.

The meeting also included a discussion on the EIA budget breakdown, with participants reviewing allocations and providing suggestions for effective utilization. It was agreed that activities during the construction phase must be closely monitored and followed up to ensure compliance with environmental safeguards. Regular supervision, proper documentation, and timely corrective actions were highlighted as essential to maintain both environmental and project performance standards.

In conclusion, the meeting underscored the urgent need for decisive and timely action from all contractors to keep the project on schedule. The civil contractor must immediately increase labor mobilization to accelerate intake, desilting basin, and penstock trench works. The HM contractor must finalize the helicopter agreement, reschedule the factory inspection, and expedite fabrication of critical components. The EM contractor must ensure submission of the Advance Payment Guarantee by the end of August to prevent further delays in fabrication and equipment delivery. Meanwhile, AEPC and AMHL will jointly review the Mingmo Village electrification study to determine the required scope and budget adjustments. All participants agreed that failure to address these critical issues within the current construction window will have a direct and adverse impact on the overall project timeline.

Quarterly Board Meeting

The first board meeting of fiscal year 2082/83 of Amadablam Mini Hydro Ltd. was held on Friday, 8th August 2025 under the chairmanship of Mr. Laxman Adhikari, with the presence of board members Mr. Phuthundu Sherpa, Ms. Lakpa Doma Sherpa, Mr. Tenzing Jangbu Sherpa representing Beyul Hydro Power Investment Pvt. Ltd., Ms. Padma Gurung as Independent Director and Secretary Mr. Chhiring Tashi Sherpa.

The meeting primarily focused on key administrative, financial, and project implementation matters. It was decided that, in the absence of the Chairperson, the Project Manager/Team Leader, Mr. Surendra Maharjan, will be authorized to sign and submit official documents to AEPC and other concerned agencies.

Regarding hydro-mechanical works, the Board discussed the HM contractor, Maa Shakti Engineering & Hydropower Pvt. Ltd. for supply and installation of hydro-mechanical components. While the contract provisions require submission of running bills only after completion of penstock pipe laying and installation, the board resolved to release an interim partial payment of NPR 10 million against the first running bill to accelerate the transportation of penstock pipes to the project site, with adjustments to be made in future bills.

The financial status of the project was also reviewed, and it was reported that NPR 335.3 million in equity has already been collected from shareholders. The board resolved to further intensify the equity collection process to meet the funding needs of the project, given its joint financing model involving the Government of Nepal, local authorities, donor agencies, and company equity.

On the matter of pre-operating costs, the board approved the claim for site camp setup as per DFS provisions, allocating NPR 2.5 million for this purpose. Agreements will be signed with lodges at Amadablam Base Camp and Pangboche to provide accommodation for field staff, alongside the procurement of necessary materials for establishing site offices.

Similarly, staff travel and transport arrangements were finalized, with each staff member entitled to daily subsistence allowance of NPR 3,000 for six days when traveling between Kathmandu and the project site, alongside reimbursement of airfares as per approved tickets and travel requests.

To ensure timely decision-making and effective project monitoring, the board also resolved to establish a Senior Management Team (SMT) comprising the Chairperson, the Project Manager, and a representative of AEPC, which will oversee continuous coordination and implementation.

The board agreed to include additional issues in subsequent sessions. In conclusion, the meeting reviewed and endorsed significant progress including the commencement of penstock transportation, approval of partial contractor payment, progress on equity mobilization, initiation

of site office setup, and finalization of staff travel arrangements, marking a crucial step forward in the implementation of the project.

Monthly Staff Meeting August

The first staff monthly meeting of the fiscal year 2082/83 of Amadablam Mini Hydro Ltd. was held on 19th August 2025, Tuesday at AMHL meeting hall with site team joining on virtual platform. The meeting brought together staff members to review construction progress, contractor performance, financial status, and administrative matters. The purpose was to identify bottlenecks, ensure accountability, and align all stakeholders towards timely delivery of project milestones.

1. Project Progress Review

The meeting began with a comprehensive review of contractor activities. While construction and installation work commenced, serious concerns were raised over delays in submission of Bank Guarantees and Insurance documents by T & D and EM contractors. The absence of these critical documents is affecting both project milestones and financial safeguards.

The root causes of delays were identified as:

- Inadequate mobilization of manpower at site.
- Delayed procurement and delivery of critical equipment.
- Lack of timely communication and reporting from contractor teams.

To address these issues, contractors will be formally notified to submit all pending Bank Guarantees and Insurance documents by the end of August 2025. They are also required to provide revised work schedules and monthly progress updates.

Furthermore, full workforce mobilization must be done as the earliest and pending civil works to be executed as much as during this favorable construction period. The management team also emphasized that contractual penalty clauses will be enforced if these commitments are not met.

2. Financial & Administrative Updates

The Chief Financial Officer (CFO) presented a detailed update on financial and administrative matters. Key points included:

- **Payment Approvals:** Delays have been observed in fund disbursement from AEPC and CREF due to staff changes, including the departure of the AEPC Project Manager. This has created uncertainty in the timing of payment approvals.

- **LC Charges:** Despite opening a Letter of Credit nearly a month ago, the supplier has not responded, resulting in heavy LC charges for the company.
- **Board Meetings & Salaries:** Board meetings have been conducted regularly. Staff salaries have been disbursed from time to date, with payments for Shrawan and Bhadra scheduled before Dashain after adjustment of the second lot of operational advances. The third lot will then follow accordingly.
- **Subsidy:** To date, NPR 9.26 crores in subsidy has been received from AEPC, with the balance amount linked to Maa Shakti Engineering's running bill expected within this month.
- **Technical Progress:** Certification of physical progress by the technical engineer is now urgently required for compliance with Nepal Financial Reporting Standards (NFRS).

3. Challenges, Decisions & Way Forward

The meeting concluded with a collective commitment to address delays and strengthen project delivery. The key decisions and next steps are as follows:

- Contractors to submit all pending Bank Guarantees at the earliest.
- Revised work schedules and monthly progress reports to be submitted by all contractors.
- Workforce mobilization must be initiated by the civil contractor within **10 days**, and pending civil works to be executed as much as during this favorable construction period.
- Management to strictly monitor compliance and enforce penalty clauses if commitments are not met.
- CFO to continue coordination with AEPC and CREF to minimize delays in payment approvals and disbursements.

2.2 Summary of Completed and Ongoing Tasks

The civil construction works at the AMHL project have advanced notably, with RCC works going on at gravel trap and desanding structures. Coordination with hydro-mechanical and electro-mechanical teams remains strong, enabling the integration of critical components such as headrace pipes, penstock alignment, and powerhouse structures. With transportation logistics being actively managed and joint planning underway, the project remains on track to achieve its next set of milestones.

2.2.1 Civil Works

Significant progress has been made in civil construction activities, with approximately 90% of the excavation work completed following rectification in accordance with the original design drawing. However, the rising water level in the river, caused by continuous rainfall, has hindered the excavation of the cutoff wall for the intake and under sluice. This has, in turn, impacted the overall construction of the diversion weir. The civil contractor, CRC Nepal – D.L. Structure & Builders JV, has mobilized additional materials and manpower to carry out site works efficiently, with continuous coordination with the hydro-mechanical and electro-mechanical contractors to align all interconnected activities.

a. Headworks Construction and Material Mobilization

Construction work at the headworks area has commenced in full swing. The transportation and collection of essential construction materials—including reinforcement bars, cement, plywood for formwork, gabion boxes, stone, aggregate, and sand—are ongoing to maintain steady progress. Materials are being stockpiled on-site in anticipation of upcoming construction phases to minimize logistical delays.

b. Intake and Gravel Trap

The rising water level in the river, caused by continuous rainfall, has hindered the excavation of the cutoff wall for the intake and under sluice. PCC works in gravel trap have been completed. This milestone paves the way for RCC works, including the gravel trap flushing gate structure and the installation of the 10 m headrace pipe connecting to the desander basin.

c. Desanding Basin cum Forebay

RCC works of the desander basin (Panel 1 with spillway) have been completed. RCC of Panel 3 base is finished, and rebar installation with formwork is ongoing for Panel 3 walls. Rebar works for Panel 2 have commenced. Masonry works for both the spillway canal and the desander flushing canal have also begun.

The inlet of the desander basin and the end section (head pond with flushing gate) are now ready for RCC base works. However, RCC walls can only be completed once the 10 m headrace pipe connecting the gravel trap to the bell mouth at the penstock inlet and the embedded parts for the flushing gates arrive on site.

d. Headrace Pipe, Bellmouth at Penstock Inlet, Embedded parts for Flushing Gates Coordination and Planning

In coordination with the hydro-mechanical contractor, Maa Shakti Engineering and Hydropower Pvt. Ltd., the civil team has highlighted the urgent need for the timely delivery of the 10 m headrace pipe, the bell mouth at the end of the head pond (Penstock Inlet), and the embedded parts for the flushing gates at both the Gravel Trap and Desander Basin. This delivery is crucial to prevent schedule slippages, especially at the intake and desanding basin locations, where pipe-laying and backfilling need to follow closely after foundational works. The pipes are currently under manufacturing and will be transported as per the construction timeline to support continuity in civil works.

e. Penstock Pipe Alignment and Excavation

Excavation works for the penstock alignment have commenced in coordination with the Hydro-Mechanical (HM) contractor. The works are being executed along a total stretch of approximately 500 meters, covering the alignment from the Desander Head pond to Anchor Block 1, as well as from Anchor Block 7 to Anchor Block 9.

The excavation scope includes preparation for 12 anchor blocks along the penstock alignment layout.

During the excavation, several challenges have been encountered due to rainy conditions:

- Excavated portions have been repeatedly filled by slides, requiring re-excavation and additional clearing efforts.

- Landslide-prone sections along the alignment have been identified, where construction of protection walls will be necessary to stabilize the slope and safeguard ongoing works.

Despite these challenges, works are progressing in phased coordination with the HM contractor to ensure proper sequencing for the installation of penstock components.

In parallel, the hydro-mechanical contractor has finalized agreements with helicopter service providers to begin airlifting penstock pipes from Surkhe to the project site. These activities are scheduled to begin after 15th October 2025, aligning with the trenching and installation schedule.

f. Powerhouse Construction

The civil contractor is planning to commence excavation works at the powerhouse by the end of September. As part of the preparatory activities, collection of construction materials is planned, and separate manpower has been allocated for execution. Furthermore, an earth resistivity test for the powerhouse earthing mat design is scheduled for the first week of September.

Following the excavation, the electrical team will proceed with the installation of the earthing mat. Commencing construction at this stage is essential to ensure the timely installation of mechanical and electrical equipment in the subsequent phases.

2.2.2 Hydro-Mechanical Works

Following repeated requests from AMHL, the contractor finally submitted the helicopter agreement on 21st August 2025 with Altitude Air for the commissioning of airlifting penstock pipes and other equipment related to the hydro-mechanical (HM) works. According to the agreement, the contractor is planning to commence airlifting of materials from 15th October 2025.

Meanwhile, the civil contractor has initiated excavation for the penstock alignment trench and as well as Anchor Block from 7 to 9. However, progress had halted after approximately 10 meters due to a shortage of labor at the site for over a week but now the contractor has resumed excavation of penstock alignment. Additionally, excavation activities have faced significant challenges due to adverse weather conditions. Rainfall has repeatedly caused slides, filling the excavated portions and necessitating re-excavation and additional clearing efforts.

Also, several landslide-prone sections along the alignment have been identified. These sections will require the construction of protection walls to stabilize the slopes and safeguard the civil works in those areas. The current situation is expected to impact on the timely installation of the penstock pipe, as excavation and pipe installation will need to proceed hand-in-hand. This challenge is further compounded by the approaching trekking season, when local labor availability will be limited, as many workers are likely to be engaged as porters.

Civil works at the gravel trap and desanding basin areas are ongoing, highlighting the urgent need for the headrace pipe and bell mouth components to be delivered to the site. The HM contractor has assured AMHL that these components will be fabricated and delivered on time to avoid delays in civil work. As the bell mouth was not included in the DFS-DED and the Bill of Quantity (BoQ), the contractor will submit the design and quotation to AMHL for approval by 3rd September 2025. Following approval, fabrication is scheduled to be completed and the equipment ready for dispatch to the project site by 11th September 2025, in order to prevent any delays to the project

However, due to transportation restrictions imposed by the Government of Nepal to the subproject site until mid-September, and with the HM contractor's helicopter airlift scheduled only after 15th October 2025, the AMHL team is proactively coordinating with the relevant authorities to explore on an early airlift of the 10-meter headrace pipe and the bell mouth connecting to the intake of the penstock pipe. This initiative aims to prevent potential delays in the RCC works at the inlet of the desanding basin and the head pond for the headrace tunnel, ensuring continuity of civil works and minimizing disruption to the overall project schedule.

2.2.3 Electro-Mechanical Works

The Electro-Mechanical (EM) contractor has assured that, despite the summer holiday season in Greece until the end of August, the finalized design package will be submitted to AMHL by the first week of September 2025, allowing sufficient time for the civil works to proceed as scheduled. The detailed drawing for the powerhouse floor plan, including equipment layout and mounting details, integrated with the approved powerhouse General Arrangement Drawings (GAD), is critical for the civil contractor to begin powerhouse construction by end of September. This drawing will include anchor bolts, centerlines, and base plate dimensions.

In parallel, it was identified that the soil resistivity test was missing in the initial DFS-DED stage. To address this, AMHL arranged an Earth Resistivity Test (ERT) for the powerhouse site to enable proper design of the earthing mat. However, due to the ongoing monsoon season, the test has been delayed, as results taken during heavy rains may give inaccurate or misleading values. Despite this, AMHL has already engaged a consultant for the design and fabrication of the earthing mat, ensuring that once reliable soil data is available, and fabrication can proceed without causing delays to the commencement of powerhouse works in September.

On the financial front, while the draft Advance Payment Guarantee (APG) has already been reviewed and returned with feedback, the contractor has not yet submitted the finalized APG document. The contractor has informed that due to the holiday period in Greece and Germany, Allianz Bank, Germany informed that the APG will only be issued by the end of August 2025.

AMHL has clarified that any further delay in securing the advance payment may risk setbacks in fabrication and timely delivery of powerhouse equipment. Even though the advance payment has not yet been released, the contractor has confirmed that equipment procurement and fabrication are ongoing. All procurement and manufacturing activities are progressing as scheduled, regardless of the advance payment, and the overall project timeline is not impacted.

Regarding procurement, the contractor has shared evidence of progress, including a Purchase Order issued to Marelli Motors, Italy, for the supply of synchronous generators, along with official order confirmation. Additionally, the contractor has confirmed that certain other components are being fabricated in-house at their factory. These procurement activities are continuing irrespective of the pending advance payment, with the contractor assuring no impact on the overall project timeline.

To ensure there are no delays in the overall project implementation, the Contractor has been instructed to submit an updated progress report on equipment procurement and manufacturing status, clearly indicating the current stage, milestones achieved, and any pending activities. In addition, the Contractor has been asked to provide a work implementation schedule aligned with the overall project timeline issued by AMHL, demonstrating how timely delivery of equipment and completion of works will be ensured without impacting the project's critical path. The Contractor has agreed to provide these reports to AMHL at the earliest possible, enabling close monitoring of progress and maintaining alignment with the agreed project schedule.

2.2.4 Transmission & Distribution Works

During this month, a coordination meeting with the contractor was held on 3rd August 2025 to review the project progress. In the meeting, the contractor confirmed that the distribution cable and service wire are currently under the manufacturing process. A joint factory acceptance test (FAT) will be conducted once the manufacturing is completed, tentatively by September 2025, after which the cables will be approved for dispatch. Similarly, the contractor will execute the procurement of all necessary transmission and distribution kits and tools, with activities planned to begin immediately after the finalization of specifications and vendor approval by mid-September 2025.

The draft reports of the Mingbo distribution plan and the trash rack heating supply plan have already been submitted to AEPC for review. The final versions of these reports will be submitted by mid-September 2025, following AEPC's feedback and the completion of the ongoing site verification. Since 24th August 2025, a joint team consisting of AMHL representatives and the contractor's engineers has been engaged in site verification of the transmission and distribution supply system. Once the verification is completed in the first week of September 2025, a joint site verification report will be prepared and presented to AEPC.

In parallel, the HT cable specification will be jointly finalized between AMHL and the contractor by mid-September 2025, after which vendor selection and approval will be carried out to facilitate procurement. Looking ahead, the joint factory testing of LT cables (distribution and service cables) is planned for late September 2025, followed by dispatch upon approval. By October 2025,

procurement of all required kits, tools, and cables is expected to be completed, enabling their delivery to the project site for installation.

Furthermore, in collaboration with the contractor's engineering team, site verification activities are also focusing on identifying any potential variations or deviations from the original design. This includes assessing alignment of the transmission and distribution routes, verifying right-of-way conditions, checking accessibility for equipment installation, and evaluating the adequacy of foundation and structural arrangements. Any issues or variations identified during this process will be documented and jointly reviewed, and where necessary, formal variation proposals will be prepared and submitted to AEPC for approval. This proactive approach will ensure that technical challenges are addressed in advance, minimizing risks of delay during the actual installation and commissioning phase.

2.2.5 Environment & Social Safeguard

This section provides an update on the progress of environmental and social safeguards implemented at the project site. Environmental, health, and safety (EHS) rules are being followed at all ESCO construction sites. Workers have been given personal protective equipment (PPE) and life insurance to keep them safe and protected. First aid boxes are maintained on-site following clear guidelines to ensure that all medicines are properly stored and are not expired. The installation of project area delineation and construction signage has been completed at the site. The project information board is installed in a visible place accessible to everyone at the construction site. Labor camps consisting of tents have been established in accordance with site conditions. Housekeeping and waste management practices are being maintained effectively to ensure a safe and clean working environment. The Occupational Health and Safety (OHS) checklist and supporting photographs are attached in **Annex 2.**

<u>Key Activities during this Month</u>

- **Review of Environmental Reports**

Reviewed the Environmental Impact Assessment (EIA) and Environmental and Social Impact Assessment (ESIA) reports to ensure that site activities are carried out in full compliance with the Environmental and Social Management Plan (ESMP).

- **Follow-up on Land-Related Documents**

Coordination with the Ministry of Forest and Environment (MOFE) was conducted concerning AMHL land-related documentation. The documents are currently with MOFE's Watershed Department for further processing.

- **Orientation to the labor regarding occupational health and safety**

An orientation session was conducted for additional laborers on Occupational Health and Safety (OHS) practices, with a focus on prioritizing safety at the work site. The session included detailed guidance on the proper use of Personal Protective Equipment (PPE) to ensure maximum protection. Furthermore, the importance of maintaining good housekeeping practices was emphasized to keep the construction site safe, organized, and free from potential hazards.

- **Installation of Project Information Board at Construction Site**

The project information board has been installed at the construction site in a clearly visible location. It provides clear details about the project, including its duration, budget, donor, and other relevant information.

- **Waste Management at the Construction Site**

Kitchen waste is being managed properly by collecting all kitchen refuse in a designated pit, which is covered with soil daily. The pit is barricaded to prevent potential hazards. Other solid wastes are collected, segregated, and managed following the principles of waste reduction, reuse, and recycling. Collected waste will be transported to the Pangboche waste collection site for safe disposal.

- **Construction Site Labor Logbook Management**

The labor logbook is maintained at the site, recording laborers' entry and exit times, names, and securely storing their government-issued documents such as citizenship certificates. In August, a total of **389 MD**, including skilled and unskilled workers, were employed at the construction site, primarily in the intake area. Among them, **one female** worker was engaged in crushing stone for aggregate production, commonly referred to as 'gitti kutnu'. Additionally, **four laborers** work manually transporting construction materials from Namche or Syangboche to the construction site. The same laborers also transport materials from Lukla to Namche using yaks or mules. Labor details are provided in **Annex 4**.

- **Construction Site Emergency Contact Number Update**

Emergency contact numbers have been updated at the construction site to ensure prompt rescue in case of any emergency or injury. However, phone network coverage is not available on-site but can be accessed approximately 10 minutes away from the construction area**.**

- **Installation and Enforcement of Code of Conduct for Workers on Construction Site**

Laborers receive daily orientations on the code of conduct, which clearly outlines acceptable and prohibited behaviors on the construction site. The code of conduct has clearly displayed at the site for continuous reference. Furthermore, laborers have signed self-declaration forms acknowledging their understanding of the code, including their commitment to preventing sexual harassment and exploitation.

- **Board Meeting and Regular Monthly and Weekly Meetings with Office Staff and EHS Meetings with AEPC**

A Board Meeting was held on August 8, during which important project decisions were made, including those related to office management, project budget management, staff management, and the discussion of challenges and issues raised by employees. The AMHL monthly meeting took place on August 19, and weekly meetings are held every Friday. These meetings provide updates on Occupational Health and Safety (OHS) activities at the site and include discussions on plans for the upcoming month and week.

Additionally, an Environmental, Health, and Safety (EHS) virtual meeting was conducted with AEPC on August 20. The meeting focused on the EIA budget breakdown, including how to structure, schedule, and implement it in the field during construction. AEPC provided suggestions and recommendations, and actions are ongoing to finalize the EIA budget breakdown.

- **Communication and Coordination with Contractor Team**

Coordination and communication with the contractor and contractor representative are actively maintained on-site concerning Occupational Health and Safety (OHS), site housekeeping, waste management, availability of PPE, labor insurance policies, timely installation of the project information board, and other activities related to the construction labor code of conduct.

ESS Activities for Next Month (September 2025)

- Reformulation of GRC1 at sub project level
- Finalization of EIA Budget Breakdown

3. Monthly Financial Progress Report

This report provides a detailed account of the financial progress of the Amadablam Mini Hydro Project for the month of August 2025. It captures key financial activities and developments across various funding and financial management components that are critical to the ongoing implementation of the project. The report outlines significant developments related to subsidy disbursement from the Alternative Energy Promotion Centre (AEPC), bank loan arrangements, equity fund utilization and reimbursement, procurement financing through Letter of Credit (LC), and the management of bank guarantees. These financial measures are instrumental in maintaining momentum across all major project components—civil, hydro-mechanical, and electro-mechanical.

3.1 AEPC Subsidy and Viability Gap Funding (VGF) Support

During the month of August 2025, no new subsidy inflow was received by the project. However, the reporting captures the subsidy of NPR 32,967,114.09 (Nepalese Rupees Thirty-Two Million Nine Hundred Sixty-Seven Thousand One Hundred Fourteen and Paisa Nine Only) that was credited in July 2025 to the AEPC Amadablam Subsidy Account (A/C No. 55508914281) maintained at Siddhartha Bank Limited.

This amount corresponds to the first running bill of NPR 66,588,941.73 submitted by Maa Shakti Engineering and Hydropower Pvt. Ltd. Out of the bill amount, only 70% is eligible after deducting the advance against APG, i.e**.,** NPR 46,612,259.21. Of this eligible portion**,** NPR 32,967,114.09 has already been disbursed, while the balance NPR 13,645,145.12 is still pending. The payment to the contractor is under process, subject to AEPC's approval for release.

With this adjustment, the cumulative subsidy received by the project up to August 2025 stands at NPR 92,638,514.09 (Nepalese Rupees Ninety-Two Million Six Hundred Thirty-Eight Thousand Five Hundred Fourteen and Paisa Nine Only), which continues to mark an important financial milestone in support of the project's ongoing implementation.

3.2. Update on Electro-Mechanical Procurement – July Progress

In July 2025, the Letter of Credit (LC) for the electro-mechanical component was officially opened under LC No. MT700-001ILSF250702002. As per the agreed terms, a 10% advance payment to the supplier, Poseidon SA (Greece), is to be provided upon receipt of the Advance Payment Guarantee (APG) in favor of the ESCO.

During August 2025, there has been no further progress on this matter. The supplier has provided only a draft version of the APG, and the final APG is still awaited. Once the final APG is submitted, the advance payment will be promptly released in accordance with the LC terms.

3.3 Operational Expense –Settlement of Second Lot advance

The second lot of operational advance of NPR 2,391,689.80 was received on 3rd July 2025 in the account of Amadablam Mini Hydro Limited (Siddhartha Bank, A/C No. 55506334597) and has been fully utilized for operational expenses.

The detailed expenses have been submitted for settlement, ensuring smooth continuation of project activities as follows:

Category	**Total Claimed (NPR)**	**Claimed and Approved in 1st Lot (NPR)**	**Claimed in 2nd Lot (NPR)**
Advertisement	2,96,466.80	2,17,366.80	79,100.00
Project Staff Salaries	32,22,245.98	5,90,000.00	26,32,245.98
Head Works Materials	9,07,390.00	9,07,390.00	–
Transportation Cost	5,78,627.00	5,78,627.00	–
Laptop Purchase	81,134.00	81,134.00	–
Printing Expenses	10,122.00	10,122.00	–
Meeting Expenses	7,050.00	7,050.00	–
Consultants	1,69,117.65	–	1,69,117.65
Travel & Allowance	60,707.44	–	60,707.44
Total	**53,32,860.87**	**23,91,689.80**	**29,41,171.07**

3.4 Equity Contributions

During this month, the ESCO made an additional equity contribution of NPR 2,400,000.00, increasing its total contribution from NPR 37,930,000.00 to NPR 40,330,000.00. The equity contribution from Khumbu Pasanglhamu Rural Municipality remains unchanged at NPR 4,000,000.00. These equity contributions continue to support ongoing project activities, and the previously deposited funds remain intact in the designated project accounts.

3.5 Conclusion

During August 2025, the Amadablam Mini Hydro Project demonstrated continued financial stability and disciplined fund management. The second lot of operational advance was fully utilized, with detailed expenses submitted for settlement, ensuring uninterrupted project activities. While no new subsidy inflow occurred, cumulative AEPC support, including the previously disbursed NPR 32,967,114.09, continued to support key project milestones. The ESCO's additional equity contribution further strengthened the project's financial base. Progress on electro-mechanical procurement remains ongoing, pending submission of the final APG. Overall, the month reflected effective coordination of funds, timely expense management, and sustained momentum across civil, hydro-mechanical, and electro-mechanical components of the project.

4. Quality Assurance and Quality Control

AMHL is planning to collect the penstock sample and send it for testing in the lab for strength tests. AMHL is planning to test the bifurcation by Computational Fluid Dynamics (CFD) test before dispatch to the site.

AMHL has strongly instructed the civil contractor to test the construction materials and concrete during construction and shall be monitored by the technical team.

5. IT and Communication

This section provides an update on the establishment and progress of official social media platforms for project visibility and stakeholder engagement.

5. 1 Social Media & Outreach

Dedicated social media accounts have been created to share updates on project activities, community benefits, and awareness content. The official Facebook, Instagram, and LinkedIn pages of Amadablam Mini Hydro have been launched, and posting has just begun. Initial activities this month included:

- Introduced the project and announced its official commencement.
- Shared updates that project equipment has reached the site and work is progressing smoothly.
- Presented AMHL's mission and vision with a video to promote clean, renewable energy, highlighting the beneficiary regions and households that will gain access to electricity.
- Announced that all penstock pipes have successfully arrived at Surke.

Current Status of Social Media Platforms:

- Facebook Page – Active, with 202 followers with highest share 11 and 17,574 views
- Instagram Profile – Active, with 21 followers, yet no share and 280 views.
- LinkedIn Page – Active, with 16 followers, 3 reposts and 51 page viewers.

6. Risks and Mitigation Measures

a) Technical Risks

The Amadablam Mini Hydro Subproject is experiencing a combination of technical, logistical, and contractual challenges that require close attention. Adverse weather conditions have already contributed to delays, affecting site access and transportation, particularly for helicopter-based deliveries. Civil works are progressing more slowly than anticipated due to limited manpower, and excavation at the intake and under sluice is not feasible this season. Hydro-mechanical progress is being impacted by pending fabrication and delivery of the headrace pipe and bell mouth, alongside transport constraints. On the electro-mechanical side, delays in submitting the Advance Payment Guarantee and powerhouse design drawings are affecting the timely sequencing of civil works. Transmission and distribution activities also carry risks due to pending FAT of cables, vendor approvals, and possible scope variations. Strengthened coordination, timely approvals, and proactive planning will be essential to mitigate these risks and maintain project momentum

b) Financial Risks

Risk: Financing and Interest Rate Risk & Cost Overrun Risk

Mitigation Measures:

- Contingency funds, fixed-price contracts, and regular cost reviews.
- Conduct regular financial audits and cost monitoring.

Contractor's Non-Compliance

- Increased financing charges (interest on loans, APG extension fees), cost escalation, lost revenue, penalties, and reputational damage

c) Physical, Biological, Environmental and Social Impact/ Risk

The subproject area is located in the northeastern mountain region of Nepal. The subproject area geologically lies on the Higher Himalayan Crystalline Zone in the eastern part of Nepal. The subproject area possesses the high-grade metamorphic rocks. The subproject area has gneisses, schist and marbles of the Higher Himalayan Zone and Tethyan sediments (limestone, shale, sandstone etc.) belonging to the Tibetan-Tethys Zone. Most of the area is exposed bedrock with thin colluvial soil cover. The colluvial soil comprises boulders, gravels, cobble and pebbles of gneiss with sand. The subproject area lies in subalpine to alpine climatic zone. The average annual rainfall is 1524 mm. January is the coldest month and July is the warmest month of the subproject area. The minimum temperature of the Pangboche area goes down below 0°C about 7 months of

the year. The weir will be in the river while penstock pipe lies in grassland. The powerhouse will be constructed in grassland. Transmission and distribution lines pass through tourist trekking routes.

Adverse Impacts

- **Physical Environment**

Change in land use, topography, soil erosion, sedimentation in river water, spoil generation, impact on hydrology and river morphology and loss of topsoil are major adverse impacts on the physical environment during construction.

- **Biological Impacts**

A total of 5.719 ha land of SNP has been required to construct various subproject components. Pressure on forest for fuel wood, impact on wildlife movement, aquatic flora and fauna, NTFPs, forest fire, wildlife hunting and poaching and increase in human wildlife conflict are identified as adverse impacts during construction.

- **Socio-economic and Cultural Impacts**

Pressure on existing facilities, services and resources of subproject area, health and sanitation and public safety, occupational health and safety, socio-cultural conflicts between locals and migrant workforce, gender-based violence, issues related to disturbances to community and child labour issues are the identified potential impacts during construction.

- **SNP and Outstanding Universal Value (OUV)**

The proposed subproject is located in the SNP and might have an impact on scenic beauty. There has been negligible impact on local social and cultural integrity as locals are already exposed to diverse groups of people since the last 75 years.

Mitigation Measures

- **Physical Environment**

Land clearance has been minimized to the extent possible to prevent erosion and landslides. Excavated materials have been used for land reclamation and rehabilitation. Trenches, quarry sites, and disposal sites have been rehabilitated immediately. Spoils have been stored in designated areas

(27°50'56.52" N, 86°49'6.15" E & 27°51'12.98" N, 86°49'49.21" E). People will be made aware about the early warning system and emergency preparedness plan through an awareness program.

- **Biological Environment**

Unnecessary visits and smoking in the forest area have been prohibited for subproject staff and construction workers to reduce the possible risk of forest fire, hunting, and poaching. Due to intense cold climate A minimum environmental flow of 50% of the mean monthly flow will be maintained during operation Due to very cold climate in 3.5 Km long dewater area, fish cannot be found and the water flow is also sub-surface in many places, it does not seem to affect the biological environment. In addition, water flow from 50% release will be abundant to sustain the life of animals and plants if any in the area. All the workers and subproject staff have been provided with LPG for cooking to reduce pressure on the forest. The subproject requires 5.719 ha of land and the land comes under the jurisdiction of Sagarmatha National Park. The subproject will provide replacement of land and a total of 9150 seedlings will be planted at the rate of 1600 per ha and nurtured for next five years. All these activities will be done in accordance with the Procedures for Construction of Infrastructure in Protected Areas 2080. Community people, school children and subproject workers will be sensitized on conservation of environment, biodiversity and wildlife.

- **Socio-economic and Cultural Environment**

All the workers and staff have been provided with workplace insurance and PPEs. To reduce conflict between workers and locals, the code of conduct including SEA/SH has been strictly implemented. All staff and construction workers have been oriented about GBV, including SEA/SH, and the social and legal consequences faced for involvement in any form of GBV. A separate SEA/SH code of conduct has been implemented to avoid the risk of gender-based violence, sexual exploitation and abuse, and sexual harassment. Trenches especially made for underground T&D lines will be reclaimed immediately to avoid accidents.

The subproject has been actively implementing the mitigation measures outlined in the EIA and ESIA reports to minimize negative impacts during the construction phases. The subproject has responsibility to mitigate the negative impacts on the physical, chemical, biological, social, economic, and cultural sectors at the local level during construction and operation phases. The EMP/ESMP has defined the roles and responsibilities of various institutions to address issues including spoil management, pollution control, occupational health and sanitation, public safety, integrity of OUV of SNP, clear budgets, timelines and emergency preparedness provisions.

7. Challenges and Recommendations

Transportation restrictions have impacted construction timelines, mobility and transport of heavy machinery and materials to the project areas. Postponement of supply and timely delivery of equipment as per the contract has obviously halted the project development. Delay in payment to contractors has certainly caused problems in timely delivery of goods and services. A prompt mechanism is suggested to deploy from the center to overcome the delay.

8. Next Steps

Factory Visit of EM contractor by the Board Members

Upon invitation from the EM contractor, the board has decided and suggested two board members to plan for the factory visit of the Poseidon SA in Greece during the next month. AMHL is working on finalizing the tasks to be carried out during the stay and checklist being prepared for the visit.

9. Appendices

ANNEX 1: Photographs about activities

Figure 1: Board meeting of fiscal year 2082/83 at AMHL Office

Figure 2: Presentation on the overall progress of the project to the board members.

Figure 3: PCC in Gravel Trap

Figure 4: PCC in Desander Basin

Figure 5: Formworks in Desander Basin wall (Panel 1)

Figure 6: Concreting works in desander basin (Panel 1 - Wall)

Figure 7: RCC works in desander basin (Panel 1 - Wall)

Figure 8: Concreting works in desander basin (Panel 3 - Base)

Figure 9: Excavation of Penstock Alignment from Desander Basin to Anchor Block 1

Figure 10: Verification of distribution cable length at Pangboche

Figure 11: Measurement of service wire at Mingbo

Figure 12: Reading of GPS location of DB of Mingbo

Figure 13: Fabrication of Turbine Casing, Greece

Figure 14: Fabrication of Turbine inlet, Greece

ANNEX 2: Environment health and safety status at project site

SN	Activities	Implementation Status	Remarks/Details
1.	**Occupational Health and Safety (OHS) Measures**		
1.1	Set of PPE available at Subproject	Yes	
1.2	PPE Provided to workers	Yes	
1.3	Helmet, Gloves, Jackets, Harness and Boots	Yes	
1.4	First Box with sufficient medicines at site	Yes	
2.	**Human Resources at Subproject**		
2.1	Project Manager	Yes	Active supervision and frequent field visit as required
2.2	Environmental and Social Safeguard Staff	Yes	Available at project site
2.3	Civil Engineer	Yes	Available at project site
2.4	Electrical Engineer	Yes	Available at project site
2.5	Mechanical Engineer	Yes	Available at project site
2.6	Workers /Labour	Yes	Available at project site
2.7	Insurance of Workers	Yes	
3.	**Information Board and Suggestion Box**		
3.1	Information Board of Subproject	Yes	
3.2	Suggestion Box	Yes	The record file is kept at the construction site.
4.	**Community Consultation**		
4.1	Number of Consultation Conducted	NA	
4.2	Number of People Participated in Consultation	NA	
5.	**Grievance Redress Mechanism**		
5.1	Grievance Redress Committee Formed	Yes	
5.2	Name of designated Grievance/ SEA/SH Handing Focal Person	Kalpana Dangol	ESS Officer
5.3	Grievance Registration Book	Yes	The record file is kept at the construction site.

5.4	Record of Grievance Received (If any)	NA	
6.	**Placement of Signage**		
6.1	Signage at Subproject Site	Yes	
6.2	Suggestion Box	Yes	The record file is kept at the construction site.
7.	**Waste Management/Material Storage**		
7.1	Waste Disposable Designated Area	Yes	Kitchen waste is being managed properly by collecting all kitchen refuse in a designated pit, which is covered with soil daily. The pit is barricaded to prevent potential hazards. Other solid wastes are collected, segregated, and managed following the principles of waste reduction, reuse, and recycling. Collected waste will be transported to the Pangboche waste collection site for safe disposal.
7.2	Material Storage Designated Area	Yes	Intake and Powerhouse

Annex 3: Photographs of Occupational Health and Safety (OHS) Measures

Figure: Manual transport of construction materials at the site.

Figure: Reuse of cement bags for storing stone aggregate.

Figure: Topsoil is carefully removed along the pipeline alignment for rehabilitation.

Figure: Site visit by the AMHL chairperson.

Figure: Safety practices at construction site

Figure: Safety practices at construction site

Figure: Safety practices at construction site

Figure: Safety practices at construction site

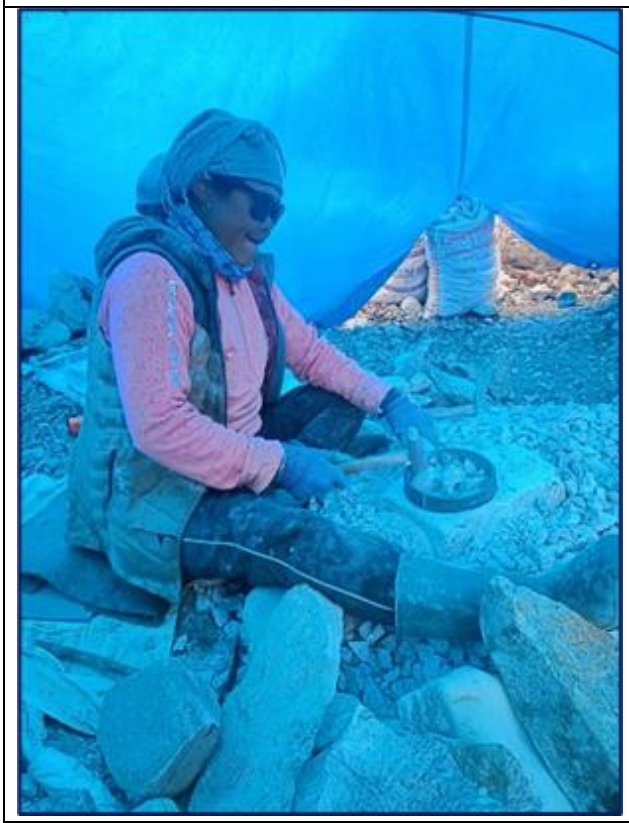

Figure: Safety practices at construction site

Figure: Existing Construction Signages

Figure: Project information board at construction site

Figure: Portable water near the labor camp

Figure: Demarcation of Project Area

Figure: First aid box at construction site

	
Figure: Toilet near the labor camp	

Annex 4: Labor Details (August, 2025)

S.N.	Name of Employee	कामदारको नाम	Address	Type of work	nce Time	Exit Time (pm)	ugust 1s	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st	
1	Khagendra Phulung	खगेन्द्र फुलुङ	Solukhumbu	Collecting construct	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	Phur Temba	फुर तेम्बा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	Dolam Sherpa/ Den	दोलाम शेर्पा /	Okhaldhunga	Collecting construct	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	Arjun Rai	अर्जुन राई	Solukhumbu	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	Nima Sherpa	निमा शेर्पा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	Dochi Sherpa	दोची शेर्पा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Pem Rinji Sherpa	पेम रिन्जी शेर्पा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	Da Lakpa Sherpa	दा लाक्पा शेर्पा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	Urken Sherpa	उर्केन शेर्पा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	Sange Sherpa	साङ्गे शेर्पा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	Pasang Sherpa	पासाङ शेर्पा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	Tashi Sherpa	तासी शेर्पा	Okhaldhunga	Excavation Work	7:00	5:00	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Adhyandra Rai	अधेन्द्र राई	Solukhumbu	Collecting construct	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	Deshmaya Rai	देश माया राई	Solukhumbu	Collecting construct	7:00	5:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	Biren Rai	बिरेन राई	Solukhumbu	Excavation Work	7:00	5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
16	Hem Rai	हेम राई	Solukhumbu	Excavation Work	7:00	5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
17	Bhupal Rai	भुपाल राई	Solukhumbu	Excavation Work	7:00	5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
18	Chhatra Rai	छत्र राई	Solukhumbu	Excavation Work	7:00	5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
			Total Labor				14	14	14	14	14	14	14	14	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	15	15	15	15	15	15	389

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