

ACCOUNTING AND ENGINEERING CONSULT PVT. LTD.

Engineering Excellence with Financial Precision



COMPANY PROFILE



2025

Accounting and Engineering Design Consulting Firm

Tinkune-32, Kathmandu, Nepal.
aehydro@gmail.com
Contact No. - 01-4787024

1. INTRODUCTION OF THE FIRM

Accounting and Engineering Consult Pvt. Ltd. (AEC) is a registered company under the Government of Nepal. It is a multidisciplinary consulting firm providing comprehensive professional services in accounting and engineering to both private developers and government institutions.

Since its establishment, AEC has continuously diversified its areas of expertise and has been actively involved in various development sectors across the country. The firm specializes in project accounting, planning, operation, financing, and supervision, with a distinct focus on hydropower development projects.

AEC was founded by a team of highly experienced chartered accountants, engineers, investors, and planners, complemented by a group of young and dynamic professionals. The firm is built on a foundation of integrity, commitment, and excellence, dedicated to delivering reliable, efficient, and innovative solutions to its clients.

2. OBJECTIVES

The overarching objective of Accounting and Engineering Consult Pvt. Ltd. (AEC) is to deliver exceptional, specialized, and high-quality professional services that comprehensively address the multifaceted needs of clients in the fields of accounting, engineering, and related consultancy domains.

AEC is steadfastly committed to achieving excellence in all aspects of its operations, guided by unwavering professional ethics, innovation, and client satisfaction. The core objectives of the firm are as follows:

➤ **Commitment to Excellence**

To deliver cost-effective and high-quality professional services with a firm dedication to operational efficiency, technical precision, and the maintenance of superior standards in service delivery.

➤ **Versatility and Adaptability**

To recognize and effectively respond to a broad spectrum of client needs, demonstrating exceptional flexibility and adaptability in providing customized solutions across diverse sectors and industries.

➤ **Professional Ethics**

To conduct all business operations with honesty, integrity, and transparency, ensuring strict adherence to professional codes of conduct, industry norms, and applicable regulations.

➤ **Timely Performance**

To prioritize punctuality and consistently meet project deadlines, ensuring client satisfaction and the successful completion of all assignments within the stipulated timeframe.

➤ **Total Quality Assurance**

To uphold comprehensive quality assurance at every stage of project execution through rigorous quality control, adherence to best industry practices, and a culture of continuous improvement.

➤ **Client-Centric Focus**

To place client satisfaction at the forefront of all endeavors, ensuring services are tailored to meet or exceed client expectations while fostering long-term, trust-based relationships.

➤ **Understanding Client Requirements**

To demonstrate an unwavering commitment to understanding each client's specific needs and objectives, aligning services with a client-centric approach to deliver optimal outcomes.

➤ **Proven Experience**

To leverage extensive experience across a wide range of accounting and engineering projects, reflecting the firm's ability to effectively navigate challenges and deliver impactful, sustainable results.

Together, these objectives define AEC's mission to be a reliable, innovative, and trusted partner for clients seeking unparalleled expertise and professionalism in accounting, engineering, and consultancy services.

3. REGISTRATION AND ADDRESS

Particulars	Details
Name of Organization	Accounting and Engineering Consult Pvt. Ltd. (AEC)
Legal Status	Accounting, Engineering, and Management Consultancy
Business Type	Accounting and Engineering Consulting Firm specializing in Hydropower Projects
Address of Office	Tinkune-32, Kathmandu, Nepal
Office Contact No.	+977-1-4787024
E-mail	aechydro@gmail.com
Head Office Contact	Mrs. Shashi Timalina - 9851145172
Professional Contact	Mr. Uttam Kumar Thapa - 9851193942
Registration Authority	Office of Company Registrar, Government of Nepal
Company Registration No.	184374/074/075
VAT Registration No.	606773663

4. EXECUTIVE MEMBER

Sn.	Name	Designation
1.	Adv. Shashi Timalina	Executive Chairman
2.	CA. Jagdishwor Devkota	Chief Business Officer
3	Er. Uttam Kumar Thapa	Chief Executive Engineer
4.	Er. Ram Chandra Bharati	Chief Design Engineer

5. SERVICES OFFERED BY THE FIRM

Accounting and Engineering Consult Pvt. Ltd. (AEC) is a multidisciplinary consulting firm providing a broad range of professional services through its two specialized operational wings:

I. ACCOUNTING AND BUSINESS MANAGEMENT SERVICES

II. HYDROPOWER PROJECT DESIGN AND ENGINEERING SERVICES

These two divisions work in synergy to deliver integrated solutions that combine financial, managerial, and technical expertise, ensuring effective project implementation and sustainable outcomes.

I. ACCOUNTING AND BUSINESS MANAGEMENT SERVICES

AEC's Accounting and Business Management Division provides a comprehensive range of financial, management, and advisory services tailored to meet the diverse needs of businesses, institutions, and development organizations.

The major areas of service include:

- i. **Business Consulting** – Strategic and operational advisory on business planning, marketing, organization, technology, and mergers & acquisitions.
- ii. **Accounting and Assurance** – Auditing, financial reporting, and compliance services in accordance with national and international standards.
- iii. **Training Services** – Customized training programs designed to enhance client capability and organizational performance.
- iv. **Outsourcing Services** – Financial reporting, bookkeeping, payroll, tax management, and accounting system implementation.
- v. **Risk Consulting** – Quantitative risk assessment, process safety, and environmental risk management.
- vi. **Feasibility Analysis and Business Plan Preparation** – Technical, financial, and economic feasibility assessments with comprehensive business planning.
- vii. **Financial Planning Services** – Cash flow management, budgeting, debt management, and business succession planning.
- viii. **Human Resource Services** – Payroll management, staff benefit administration, and insurance management.
- ix. **Human Resource Strength** – A multidisciplinary team of chartered accountants, engineers, IT professionals, legal advisors, and financial analysts.

II. HYDROPOWER PROJECT DESIGN AND ENGINEERING SERVICES

Accounting and Engineering Consultancy (AEC) provides comprehensive technical and AEC's Engineering Division is dedicated to providing specialized consulting services in hydropower and infrastructure development. The firm's expertise spans the entire project lifecycle from initial feasibility to detailed design, supervision, and financing support.

Key services offered include:

- i. **Feasibility Study** – Comprehensive technical, economic, environmental, and social assessments to determine project viability.
- ii. **Detailed Design** – Preparation of precise and complete engineering designs covering dams, tunnels, powerhouses, and associated infrastructure.

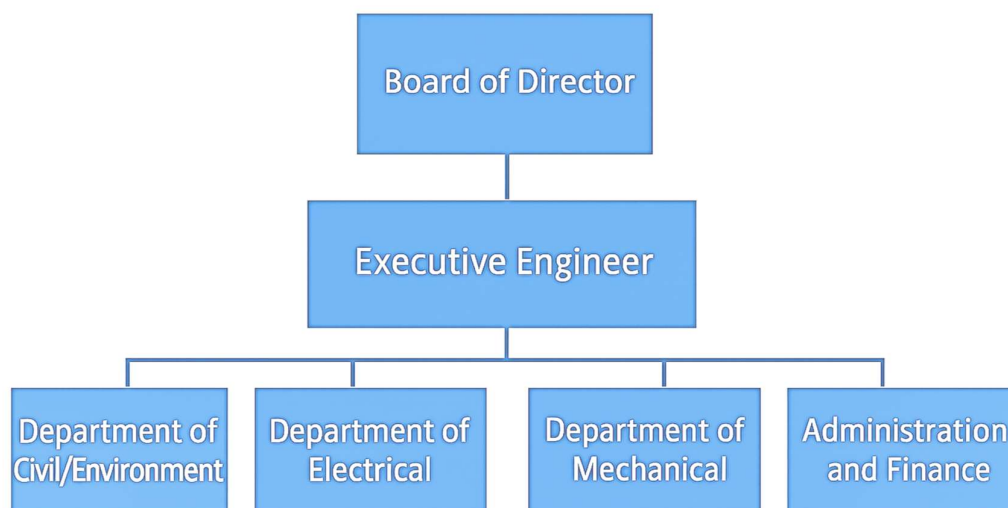
- iii. **Bill Vetting (Technical and Financial)** – Verification of material, equipment, and financial documents for accuracy and compliance.
- iv. **Construction Supervision** – On-site monitoring and management to ensure adherence to design, quality, and safety standards.
- v. **Planning and Project Management** – Development of project schedules, resource planning, and risk management to achieve time-bound and cost-effective delivery.
- vi. **Detailed Engineering Surveys** – Execution of topographical, geological, hydrological, and geophysical surveys for design and planning.
- vii. **Tunnel Design** – Specialized design services considering alignment, structural stability, ventilation, and safety.
- viii. **Contract Management and Quality Control** – Oversight of agreements, documentation, and implementation of quality assurance protocols.
- ix. **Geological Investigation** – Geological mapping, drilling, and testing for geotechnical assessment and construction recommendations.
- x. **Engineering Valuation and Insurance** – Asset valuation and insurance support for financial reporting and risk mitigation.
- xi. **Project Financing** – Assistance in identifying funding sources, financial modeling, and coordination with financial institutions.

6. ORGANIZATION STRUCTURE OF THE COMPANY

Accounting and Engineering Consult Pvt. Ltd. (AEC) is managed by a team of highly competent, professional, and results-oriented individuals. This team is responsible for formulating the company's guidelines, policies, and strategic plans, as well as overseeing their implementation and managing all financial matters.

The organizational structure reflects a clear hierarchy and delineation of responsibilities to ensure efficient decision-making and effective management. The members of the Board of Directors and key management personnel are listed below:

ORGANIZATIONAL CHART



7. KEY PROFESSIONAL OF THE COMPANY

The firm is in position to work with the following human resources that are working in the company as per their position experiences in the diverse fields. The name and position of the officers and the resource persons are listed below:

KEY PROFESSIONAL

Sn.	Name	Qualification	Designation	Experience
1.	Adv. Shashi Timalisina	B. Law & Management	Executive Chairman	15+ years in Cooperative, law and Management
2.	Er. Uttam Kumar Thapa	PhD (Hydraulic Structure), M.Tech. (Structural Engineering)	Chief Executive Engineer	15+ years in Hydraulic and Structural Design, Project management
3.	CA. Jagadishwor Devkota	Chartered Accountant	Chief Business Officer	14+ years in Audit, Banking, Finance and Hydropower Sector
4.	Er. Sushov Gautam	M.E. (Mechanical Engineering)	Sr. Mechanical Engineer	14+ years' Experience in Hydromechanical Systems and Project Development
5.	Er. Ram Chandra Bharati	M.Tech. (Structural Engineering)	Chief Design Engineer	10+ years in Civil Structure, Hydropower Design and Project Management
6.	Er. Madhukar Garg	M.E. (Electrical Power Engineering)	Sr. Electrical Engineer	16+ years in Electro Mechanical System & Project Operation
7.	Mr. Shailendra Shrestha	M.Sc. (Geology)	Sr. Geologist	15+ years in Engineering Geology
8.	Er. Bipin Karki	B.E. (Mechanical Engineer)	Sr. Mechanical Engineer	25+ years, Hydromechanical Systems and Hydro Power Construction
9.	Er. Maheshwor Dahal	M.Sc. (Hydropower)	Hydraulic Engineer	7+ years in Hydraulic, Hydropower Design and Project Construction

8. OFFICE EQUIPMENT

EQUIPMENT INVENTORY

S.N.	Name of the Equipment	Quantity	Present Condition
1	Smart Road Key	1	Excellent
2	SW Road Key	1	Excellent
3	Total Station	1	Excellent
4	Auto Level Machine	1	Excellent
5	Desktop Computers	5	Excellent
6	Laptop	3	Excellent
7	Printers / Photocopy / Plotter	2	Excellent
8	Inverter with Battery (3 kVA, 8 hours backup)	1	Good
9	Table / Computer Table	10	Good
10	Chair	20	Good
11	Sofa Set	2	Good
12	Book Shelf	5	Excellent
13	Kitchen	1	Excellent
14	Telephone	1	Good
15	Compass, Steel Tape	1	Good
16	Motorcycle / Scooter	1	Excellent
17	Car / Jeep	2	Excellent
18	Geotechnical Laboratory (in Joint Venture)	1	Excellent

9. ORGANIZATION AT A GLANCE

Accounting and Engineering Consult Pvt. Ltd. (AEC) is one of Nepal's emerging consulting firms, demonstrating strong capability in delivering professional services across diverse fields of engineering and development. Despite its relatively short tenure, the firm has successfully encountered and addressed numerous challenges at various stages of project development and design. AEC is committed to contributing to policy formulation, planning, design, and providing management and advisory services. The firm focuses on collaborating with both national and international agencies across a wide range of infrastructure and development projects.

Highlighted below are some of the projects successfully undertaken by AEC:

I. Accounting and Management Service

List of Major Clients and Assignments

SN	Name of Client	Assignment
1	Koshish	Account and Business Management
2	K.I.E.C. Pvt. Ltd.	Account and Business Management
3	Himalaya Hygiene Industries Pvt. Ltd.	Account and Business Management
4	Biocare Hygiene Pvt. Ltd.	Account and Business Management
5	Carts Enterprises	Account and Business Management
6	Global Inspection Consultancy Pvt. Ltd.	Account and Business Management
7	Saiba Medical Center Pvt. Ltd.	Account and Business Management
8	Gautam Buddha Infra Pvt. Ltd.	Account and Business Management
9	Dynamic Investment Company Pvt. Ltd.	Account and Business Management
10	Brilliant Manpower Training Center Pvt. Ltd.	Account and Business Management
11	JBNL Securities Ltd.	Account and Business Management
12	Pagoda Infra Construction Pvt. Ltd.	Account and Business Management
13	Swarnavhumi Export Import Pvt. Ltd.	Account and Business Management
14	Gosaikunda Export Import Pvt. Ltd.	Account and Business Management

II. Engineering and Management Service

List of Major Clients and Assignments

SN	Project	Capacity	Services Provided
1	Lower Inkhu Khola HPP	9.7 MW	Detailed Feasibility Study Report
2	Madhya Daram A HPP	4.0 MW	Detailed Feasibility Study Report and Detailed Project Report
3	Madhya Daram B HPP	4.5 MW	Detailed Feasibility Study Report and Detailed Project Report
4	Buddha Bhumi Nepal HPP	4.6 MW	Due Diligence Audit
5	Sirsagad Khola SHP	4.3 MW	Detailed Feasibility Study Report and Detailed Project Report
6	Tamor Khola-5 HPP	37.5 MW	Due Diligence Audit
7	Phalakhu Khola HPP	7.29 MW	Updated Feasibility Report and Detailed Design of Project
8	Buku-Kapti Hydropower Project	5.0 MW	Detailed Design of Project

SN	Project	Capacity	Services Provided
9	Ramailo Likhu Hydropower Project	9.0 MW	Detailed Feasibility Study Report and Detailed Project Report and Geotechnical Investigation Works
10	Phalakhu Cascade HPP	2.0 MW	Survey License Works and Detailed Feasibility Study Report

10. STRATEGIC STRENGTHS

a. Integrated Expertise in Finance, Engineering, And Project Management

AEC's unique strength lies in its ability to integrate financial acumen with technical and managerial excellence. By combining the disciplines of accounting, engineering, and project management, AEC delivers comprehensive solutions that ensure technical soundness, financial viability, and operational efficiency throughout all phases of project development from feasibility and design to implementation and monitoring.

b. Proven Record in Hydropower and Infrastructure Development

The firm has established a solid reputation through its active involvement in hydropower, water supply, transportation, and other infrastructure projects. AEC's team has successfully contributed to the planning, design, and execution of projects that align with Nepal's growing infrastructure and energy needs, demonstrating strong problem-solving capacity in challenging topographical and environmental conditions.

c. Multidisciplinary Professionals with Local and International Exposure

AEC is supported by a team of highly qualified engineers, planners, financial analysts, and management professionals who bring extensive experience from both national and international projects. This blend of local insight and global exposure allows AEC to apply best practices, modern technologies, and internationally recognized standards to every assignment it undertakes.

d. Commitment to Quality, Timeliness, and Transparency

AEC's corporate philosophy is anchored in quality assurance, ethical conduct, and client satisfaction. The firm prioritizes delivering outputs that meet or exceed client expectations within the stipulated timeframe and budget. Transparent communication, continuous quality improvement, and adherence to professional integrity remain central to all AEC operations.

KEY PERSONNEL RESUME

Er. Uttam Kumar Thapa – Design Team Leader

Personal Information

Name	Uttam Kumar Thapa	Sex	Male
Date of Birth	24 Oct 1985	Nationality	Nepalese
Contact Address	Tinkune-35, Kathmandu	Phone	9851193942
Language Skill	Nepali, English and Hindi	Email	makers.ut@gmail.com

Present Employment

Name of Employer	ACCOUNTING AND ENGINEERING CONSULT PVT.LTD
Address of Employer	New Baneshwor, Kathmandu
Telephone	9851145172
Contact Person	Shashi Timalsina
Job Title	Chief Executive Engineer

Academic/Professional Qualification

Degree	University/Institution	Pass out Year
PhD. Scholar (Hydraulic Structure)	Noida International University	Running
M. Tech - Structural Engineering	OSGU, India	2023
Bachelor in Civil Engineering	Nepal Engineering College, Nepal	2009

Professional Skill

- Overall Designing /Management of hydropower Project
- Auto-CAD, STAAD-Pro Software and SW-Road
- Survey, MS Project and RS Phase 2

CERTIFICATE OF MERIT

- Best Participant -Management Skills Development Program -2018
- Active Participant -Management Skills Development Program-2018
- Active Participant -Early Leadership Development Program-2018

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- Member of Nepal Engineers' Council (NEC No.) : 8801 Civil "A"
- Member of Nepal Engineers Association (NEA No.) : 15381
- Structural Engineers Association, Nepal (SEANep No.) : 290
- Nepal Tunnelling Association (NTA) : 171

Experience	
From - To	Company / Project / Position / Responsibilities
From Oct 2024 - Present	Accounting and Engineering Consult / Chief Executive Engineer / Responsibilities <ul style="list-style-type: none"> • Conduct the updated feasibility study report. • Revising the capacity and energy table as per client requirement. • Provide historical context, initial surveys, and previous studies. • Coordinate and present technical information as requested by the client. • Hold regular meetings with the Employer regarding the design of works. • Develop detailed designs for weir, under-sluice, intake, desander basin, powerhouse, tailrace, all associated excavation and structural details. • Prepare detailed designs for head race tunnel, portal, surge shaft, vertical pressure shaft, slope rock stabilization, and support systems. • Preparation a comprehensive methodology for physical hydraulics modeling to ensure accurate representation of hydraulic conditions and behaviors for the hydropower project.
From June 2023 - Sept 2024	Aayu Consulting Engineers /Aayu Malun Khola Hydropower Project - 21 MW / Design Team Leader / Responsibilities <ul style="list-style-type: none"> • Preparation of detailed project report for construction works. • Manage and support survey works, assign roles, establish timelines, and ensure technical troubleshooting. • Prepare and coordinate the working methodology with the construction team. • Prepare and submit the design basis memorandum. • Prepare geological investigation reports and assist with hydrology modeling. • Develop the general arrangement of all project components. • Design and submit the general layout, including army camp and bunker house, and detailed design of hydraulic and civil components. • Prepare and submit inception report, design report, execution drawings. • Provide technical coordination, present information to clients, and conduct site visits.

May 2021 to May 2023	<p>Freelance Experience / Isuwa Khola PProR Cascade Hydroelectric Project - 40.1 MW/ Design Team Leader /</p> <p>Responsibilities</p> <ul style="list-style-type: none"> • Review and design optimization of hydrology, hydraulic Component. • Identify potential risks and develop mitigation strategies for Cascade Project. • To optimize and review the diameter of a vertical pressure shaft in a project to ensure it is suitable for machining and operational efficiency. • Power house slope stability Works. <p>Freelance Experience / Buku Kapti Hydropower Project - 5 MW /</p> <p>Hydropower Design Engineer /</p> <p>Responsibilities</p> <ul style="list-style-type: none"> • Review and design optimization of hydraulic component • Structural analysis of power house and surge tank. • Rearrangement of the pipe alignment as per land acquisition.
May 2021 to May 2023	<p>Freelance Experience / Inkhu Khola Hydropower Pvt. Ltd.-9.7 MW /</p> <p>Hydropower Design Engineer /</p> <p>Responsibilities</p> <ul style="list-style-type: none"> • Detail design of hydraulic component for feasibility study report. • General arrangement of hydraulics structure. • Optimize the head race tunnel design to ensure efficient water conveyance with minimal energy loss for the hydropower project. • Optimize length and cross-sectional shape invert D for structural stability and hydraulic efficiency.

<p>Nov 2017- Apr 2021</p>	<p>Aayu Consulting Engineers / Super Naydi Hydro Power – 42.6 MW / Design Team Leader / Responsibilities</p> <ul style="list-style-type: none"> • EPC design team leader and manage the EPC design consultancy and construction supervision to deliver high-quality design solutions. • Oversee the development and revision of design projects, including the capacity and energy. • Collaborate with clients to understand their requirements and ensure designs meet their specifications. • Monitor project timelines and budgets, ensuring timely and cost-effective delivery of design projects. • Conduct regular design reviews and provide constructive feedback to improve team performance. • Communicate progress and updates to stakeholders, maintaining transparency and accountability throughout the design process. • Prepare and coordinate the working methodology with the construction team. • Prepare geological investigation reports. • Submit detailed survey methodology reports and develop the general arrangement of all project components. • Design and submit the general layout, including army camp and bunker house, and detailed design of hydraulic and civil components. • Provide technical coordination, present information to clients, and conduct site visits. • Hold frequent meetings with the Employer and ensure compliance with Engineer's requirements. • Conduct stability analysis, structural analysis, and design for head works, anchor block, powerhouse, machine foundation, control room, and tailrace. <p>Aayu Consulting Engineers / Aayu Malun Khola Hydropower Project - 21MW / Design Team Leader / Responsibilities</p> <ul style="list-style-type: none"> • Design team leader and manage the design consultancy. • Summarize the project's scope, objectives, and the main components involved, such as the proposed site. • Led the feasibility study, detailed project reporting, structural design, and construction supervision.
--------------------------------------	--

<p>Nov 2017- Apr 2021</p>	<p>Aayu Consulting Engineers / Lower Barun Khola Hydroelectric Project. -132 MW / Design Team Leader/ Responsibilities</p> <ul style="list-style-type: none"> • Design team leader team to deliver high-quality design solutions. • Outline the hydropower project's location, capacity, and primary objectives. • Ensure designs comply with the criteria stated in the Employer's requirements. • Conduct and report on hydraulic design, transit analysis, and head loss calculations. • Coordinate and present technical information as requested by the client. • Hold regular meetings with the Employer regarding the design of works. • Develop detailed designs for weir, under-sluice, intake, desander basin, powerhouse, tailrace, all associated excavation and structural details. • Prepare detailed designs for head race tunnel, portal, surge shaft, vertical pressure shaft, slope rock stabilization, and support systems. <p>Aayu Consulting Engineers / Aayu Chhetigad Hydropower Project - 27 MW / Design Team Leader / Responsibilities</p> <ul style="list-style-type: none"> • Desk study report. • Feasibility study Report. <p>Aayu Consulting Engineers, / Maya Khola Hydropower Project – 14.9 MW / Design Team Leader / Responsibilities</p> <ul style="list-style-type: none"> • EPC design team leader and manage the EPC design consultancy and construction supervision to deliver high-quality design solutions. • Collaborate with clients to understand their requirements and ensure designs meet their specifications. • Monitor project timelines and budgets, ensuring timely and cost-effective delivery of design projects. • Conduct regular design reviews and provide constructive feedback to improve team performance. • Prepare and coordinate the working methodology with the construction team. • Provide technical coordination, present information to clients, and conduct site visits. • Hold frequent meetings with the Employer and ensure compliance with Engineer's requirements. • Conduct stability analysis, structural analysis, and design for head works, anchor block, powerhouse, machine foundation, control room, and tailrace. • Prepare detailed designs for head race tunnel, portal, surge shaft, penstock pipe, and support systems. • Prepare the Design Basis Memorandum for approval. <p>Aayu Consulting Engineers / Down Puluwa Khola Hydropower – 11.3 MW/ Design Team Leader / Responsibilities</p> <ul style="list-style-type: none"> • EPC design team leader and manage the EPC design consultancy and construction supervision to deliver high-quality design solutions.
--------------------------------------	---

	<ul style="list-style-type: none"> • Collaborate with clients to understand their requirements and ensure designs meet their specifications. • Monitor project timelines and budgets, ensuring timely and cost-effective delivery of design projects. • Conduct regular design reviews and provide constructive feedback to improve team performance. • Provide technical coordination, present information to clients, and conduct site visits. • Conduct stability analysis, structural analysis, and design for head works, anchor block, powerhouse, machine foundation, control room, and tailrace. • Prepare detailed designs for penstock pipe, and support systems. • Prepare the Design Basis Memorandum for approval. <p>Aayu Consulting Engineers / Seppli Hydropower Hydroelectric Project – 5 MW /Design Team Leader / Responsibilities</p> <ul style="list-style-type: none"> • Prepared feasibility study report and detailed project reports. <p>Aayu Consulting Engineers / Madhya Daram Khola-A Small Hydropower Project - 4 MW /Design Team Leader Responsibilities</p> <ul style="list-style-type: none"> • Updated Feasibility Study Report • Detail Project Report <p>Aayu Consulting Engineers, / Madhya Daram Khola-B Small Hydropower Project -4 MW. /Design Team Leader / Responsibilities</p> <ul style="list-style-type: none"> • Updated Feasibility Study Report • Detail Project Report <p>Aayu Consulting Engineers, / Upper Khorunga Khola Hydroelectric Project – 7 MW /Design Team Leader Responsibilities</p> <ul style="list-style-type: none"> • Design optimisation of Hydraulic Structure.
Feb 2015 – Oct 2017	<p>Puwa Khola - 1 Hydropower Ltd. / Puwa Khola One Hydropower Project - 4 MW / Design Engineer / Responsibilities</p> <ul style="list-style-type: none"> • Developed detailed construction designs, ensuring all structural and functional requirements were met. • Finalized design components for civil, hydro-mechanical, and electro-mechanical systems. • Coordinated design efforts across multiple disciplines, ensuring cohesive and efficient project execution.

Dec 2013- Jan 2015	Khani Khola Hydropower Company Ltd. / Tungun – Thosne Khola Hydropower Project - 4.36 MW & Khani Khola - 2 MW / Civil Engineer (Design) / Responsibilities <ul style="list-style-type: none"> • Prepared detailed designs for the construction phase, ensuring compliance with technical standards. • Finalized design components and specifications for various project elements. • Design Coordination: Managed the integration of civil, hydro-mechanical, and electro-mechanical design elements.
Feb 2012- Nov 2013	DAT Engineering Consultancy Pvt. Ltd. / AEPC Project / Design Engineer <ul style="list-style-type: none"> • Developed feasibility studies and DPRs for various projects. • Supervised construction activities and optimized project workflows. • Identified potential project sites, conducted thorough site assessments and feasibility studies.
Feb 2010-Jan 2012	Bojini Company Pvt. Ltd / Jiri Khola Small Hydropower Project - 2.4 MW / Surveyor / Responsibilities <ul style="list-style-type: none"> • Survey, Detailed Planning, and Construction: Conducted surveys and detailed planning for the Project. • Managed construction activities, including headworks, pipe conveyance, surge tank, and powerhouse. • Construction access road.
ADDITIONAL FREELANCE EXPERIENCE <ul style="list-style-type: none"> • Sirsagad Khola Small Hydropower project - 4.2 MW • Kisedi Khola Hydropower Project – 4.1 MW 	
REFERENCES 1. Bijaya Man Sherchan: 98510239222 2. Sher Bdr. Budha: 9851097806	
CERTIFICATION I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience. Date: Signature:	

CA Jagadishowr Devkota

CA Jagadishowr Devkota is a member of Institute of Chartered Accountants of India and Institute of Chartered Accountants of Nepal and currently is the proprietor of J.D. Associates, Chartered Accountants, audit firm located in Kathmandu

He possesses vast knowledge and experience in the field of banking, audit, consultancy and taxation matters. He has experience of working in banking sector for more than 5 years and reputed C.A. Firms in India and one of the largest audit firms in Nepal. He also has experience in the field of consultancy and audit in Nepal as well and as a trainer for the past 6 years as Business Management, Accounting and Tax Management. He has vast knowledge of operation of banking sector in Nepal

Following are the assignments handled

1. WORK AS A BANKER

Major Tasks Performed in "NIC Asia Bank Limited"

Finance Manager at Finance Department

➤ Ensure preparation and presentation of NFRS based financials in stipulated time frame.
➤ Ensure FTP automation and implementation.
➤ Ensure NRB reporting and BASEL automation and implementation.
➤ Ensure reporting to NRB within 7th day of the month.
➤ Ensure BASEL reporting and internal reporting is reported within time frame.
➤ Ensure qualitative MIS to management and seek area for further customization and automation in MIS reports.
➤ Coordinate with Large Tax Payers Office for completion of tax assessment of various years.
➤ Ensure Implementation value-based accounting and relationship-based accounting.
➤ Seek for various avenues for revenue maximization and cost rationalization.
➤ Proper tax planning and compliance.
➤ Budget Revision as per planned.

Manager BPR at BPR Department

➤ Coordinate with the other functions of the bank and analyze the areas where BPR can be done.
➤ Conduct industry research of various business units, segments and recommend to management/senior management for strategic decisions.
➤ Suggest to Chief Strategy and BPR regarding various aspects of the BPR.
➤ Conduct BPR as per the tactical plan and ensure the compliance of the tactical plan.
➤ Review and Finalize BPR report of department, regional office and Branches performed by the team members in supervision of Chief Strategy and BPR.
➤ Mobilize the team members for various function of the department in supervision of Chief Strategy and BPR.
➤ Monitoring and follow up of the BPR decision as approved by the board and assess the actual impact of BPR decision within the time frame.
➤ Support to higher level management/department/regional office/branches for BPR and other related activities
➤ Assist to Chief Strategy & Business Process Re-engineering as and when required.

Major Tasks Performed in "Agricultural Development Bank Limited"

Key Duties & Responsibilities:

➤ To identify the problems in accounting (i.e. vouching, authorizing, documentation of transactions and inter branch transactions under T24 Core Banking Software and recommend proper solution wherever necessary.
➤ To review banks accounting manuals and recommend it, if it requires amendment.
➤ To review accounts (borrowings and others) of Govt. of Nepal and to reconcile it.
➤ To review practice of preparation of financials statement of ADBL head office and recommend the process of reconciliation and adjustment of old receivables and payables wherever necessary.
➤ To review settlement process of inter branch accounts with coordination of ADBL Interbranch Division.
➤ To review the existing depreciation method and recommend it, if requires amendment.

➤ To provide documents/information to tax auditor.
➤ To review tax audit reports and tax assessment by large taxpayers' office and cases under different courts/revenue tribunals/entities.
➤ To formulate tax planning.
➤ Other required activities as per the need of division and fully responsible to the division chief.

2. AUDIT OF COMPANIES

➤ Nepal Unilever Limited
➤ Soaltee Hotel Limited, Five Star Hotel
➤ Nepal Oil Corporation Ltd.

3. AUDIT OF NGOS/INGOS

➤ Nepal Red Cross Society
➤ BBC Media Action
➤ Plan Nepal
➤ Water Aid Nepal
➤ The Asia Foundation
➤ Canadian Centre for International Studies and Cooperation (CECI)

4. OTHER SERVICES

➤ Pre Award Survey of Alternative Energy Promotion Centre (AEPC) funded by USAID
➤ Capacity Assessment of Partners of "The Asia Foundation".
➤ Internal audit for the period 2011-12 and 2012-13 of Koshish Nepal, National Mental Health Self-Help Organization
➤ Sony Detective & allied services Pvt. Ltd. (Security Service Co.) - Statutory Audit
➤ Alliance Infotech Pvt Ltd. (Trading Co.) -Statutory Audit
➤ B&M Corporation- (Trading Co.) Statutory Audit
➤ S.V. Corporation- (Trading Co.) Statutory Audit
➤ Verma Housing & Cleaning services Pvt. Ltd.- (Service Providing Co.)-Accounting
➤ Infosys, Gurgaon:- (BPO, BKO)-Compliance of laws and Act

➤ Saraogi Insurance & Brokers Pvt. Ltd- (Insurance Co.) - Accounting
➤ Rajdhani Creations ltd.- (Trading Co.)-Accounting
➤ Hotel Rukmini: - Accounting
➤ Various tax related matters and individual taxations.

5. TRAININGS CONDUCTED AS A TRAINER

➤ Trainer for Co-operative management training conducted by NIME for past 2 years.
➤ Tax Management Training for Swabalamban Laghubitta Bikas Bank Ltd. (SWBBL) staffs on 10th & 11th April 2015
➤ Tax, audit, office management trainings to various staffs of Agricultural Development Bank Limited in 6 Regional offices for more than 200 staffs.
➤ Corporate Trainer as Accounting, Taxation and Advanced Excel in NIME for the past four years and has conducted more than 30 batches in the period.
➤ Trainer as Business Management from NIME for the past four years and has conducted more than 30 batches in the period.
➤ Trainer as Business and Policies management consultant in KOSHISH for last one year.

6. FINANCIAL CONSULTANT

➤ Financial consultant of various organizations.
--

Curriculum Vitae - Ram Chandra Bharati			
Personal Information			
Name	Ram Chandra Bharati	Sex	Male
Date of Birth	25 April 1992	Nationality	Nepalese
Contact Address	Suryabinayak-04, Bhaktapur	Phone	9849709551
Language Skill	Nepali, English and Hindi	Email	rambharati64@gmail.com
Present Employment			
Name of Employer	Accounting and Engineering Consult Pvt. Ltd.		
Address of Employer	New Baneshwor, Kathmandu, Nepal		
Telephone	9851145172		
Contact Person	Shashi Timalisina, Executive Chairman		
Job Title	Chief Design Engineer		
Academic/Professional Qualification			
Degree		University/Institution	Pass out Year
M. Tech - Structural Engineering		OSGU, India	2023
Bachelors in Civil Engineering		Central Campus, IOE, Tribhuvan University	2014
+2 HSEB Board		Himalayan White House Int’l College, New Baneshwor, Kathmandu	2010
Professional Skill			
<ul style="list-style-type: none">Overall Designing /Management of Hydropower ProjectAuto-CAD, STAAD-Pro Software, SW-Road and Midas CivilSurvey, MS Project.			
Training			
<ul style="list-style-type: none">25 days Physical Training (May 21st - June 14th) on "Design of Cable Stayed Bridges and Extradosed Bridges (Second Term)" led by Professor and Dr. Chen Dewei from Tongji University's Department of Bridge Engineering organized by Department of Road (DoR), Babarmahal, Kathmandu.5 days Physical Training on "Design of Pile, Prestressed T-girder Bridges, and Steel Structural Components," organized by SCAEF in collaboration with CBDIC and with the technical support of LRBSU.			
Membership of Professional Societies			
<ul style="list-style-type: none">Member of Nepal Engineering Council (NEC No.) : 12248 Civil "A"Member of Nepal Engineers’ Association (NEA No.) : 19105Structural Engineers’ Association, Nepal (SEANep No.) : 299Society of Transport Engineers Nepal (SOTEN) : 365Nepal Tunnelling Association (NTA) : 172			

March 2023-Present Job Title: Duration:	Accounting and Engineering Consult Pvt. Ltd. /Buku Kapti Hydropower Project - 5 MW/ Ramailo Likhu Hydropower Project-9.0MW/Kapti Khola-0.9 MW Chief Design Engineer Responsibilities <ul style="list-style-type: none"> • Review feasibility studies, design reports, and project cost estimates. • Periodically visit the project site to review construction progress and quality. • Review and certify contractors' progress bills before payment release. • Evaluate project risks (technical, environmental, and implementation) and recommend mitigation measures. • Hydraulic design of headworks structures such as the Weir, Stilling Basin, Undersluice, Intake, Gravel Trap, Desander, and Headpond.
May 2021 to Feb 2023 Job Title: Duration:	Rasuwa Hydropower C. Ltd. /Detail Design of Phalakhu Khola Hydropower Project-7.29 MW Design Engineer 1 Year 10 Months Responsibilities <ul style="list-style-type: none"> • Rearrangement of hydraulic components (weir, intake, gravel trap, desander, headrace pipe, headrace tunnel, penstock pipe and power house location). • Revision of feasibility of 5MW to 7.29MW. • Structure analysis of headworks structures, surge tanks and anchor blocks. • Preparation of rate analysis and Bill of Quantities.
March 2020-April 2021 Job Title: Duration:	Brahmayani Hydropower Company Limited / Brahmayani Hydroelectric Project – 45 MW Design Engineer 1 Year 2 Months Responsibilities <ul style="list-style-type: none"> • Conducting of topographical surveys, collection of hydrological data and geological investigations for updated feasibility study. • Rearrangement of the hydraulic structures such as headworks, tunnel alignment, surge shafts, penstocks, and powerhouse. • Involvement in the selection of transmission route of the project. • Calculation of head loss, preparation of energy table for the PPA works. • Preparation of rate analysis and Bill of Quantities.
Nov 2017-Feb 2020 Job Title: Duration:	Universal Engineering and Management Pvt. Ltd. / Buku-Kapti Hydropower Project-5 MW Design Engineer 2 Year 4 Months Responsibilities <ul style="list-style-type: none"> • Preparation of feasibility study report, ensuring alignment of design aspects with project objectives, schedules, and deliverables. • Hydraulic design of headworks, pipe alignment, surge tank, penstocks and powerhouse as per DoED guidelines. • Calculation of head loss, preparation of energy table. • Preparation of rate analysis and Bill of Quantities.

April 2016- Oct 2017 Title: Duration:	Puwa Khola-1 Hydropower Pvt. Ltd. / Puwa Khola-1 Hydropower Project - 4 MW Junior Design Engineer 1 Year 7 Months Responsibilities <ul style="list-style-type: none"> Assisting senior design engineer in planning and designing of project components such as headworks, settling basin, syphon and headrace alignment. Assisting design engineer in preparation of construction drawings, construction plans and specification for all project components. Estimating project costs, preparing bills of quantities, and creating project schedules.
Sept 2014- March 2016 Title: Duration:	High Himalaya Hydro Construction Pvt. Ltd/Upper Mai 'C' Hydroelectric Project-6.1MW Site Engineer 1 Year 7 Months Responsibilities <ul style="list-style-type: none"> Conducted surveys and detailed planning for the Project. Planning, designing, and creating construction plans and technical drawings. Management and supervision of construction activities, including headworks, pipe conveyance, surge tank, and powerhouse. Supervision of construction works of headworks and headrace alignment and inlet portal. Preparation of daily progress report.
REFERENCES 1.Shyam Sundar Bajgain: 98510239222 2.TaraNath Sapkota: 9851054959	
CERTIFICATION I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience. Date: Signature:	

Er. Sushov Gautam – Hydro-Mechanical Expert			
Personal Information			
Name	Sushov Gautam		Sex Male
Date of Birth	09-09-1988		Nationality Nepalese
Contact Address	Rajhena-18, Ghorahi Sub metropolitan, Dang		
Phone	+977-9851289777,	Email	sushovg@gmail.com , sushovgautam@gmail.com ,
Language Skill	Nepali, English and Hindi		
Present Employment			
Name of Employer	Accounting and Engineering Consult		
Address of Employer			
Telephone	9851193942		
Contact Person	Uttam Kr. Thapa		
Job Title	Hydro Mechanical Design Engineer		
Academic/Professional Qualification			
Degree	University/Institution		Completed Year
Master's in Mechanical Engineering	Kathmandu University		2021
Bachelor's in Mechanical Engineering	PSNA College of Engineering and Technology (Anna University)		2011
Intermediate of Science	Kathmandu Don Bosco H S School		2006
Professional Skill			
<ul style="list-style-type: none"> • Overall Design /Management of hydropower Project • Engineering Software: AutoCAD, Pro-E wildfire 4 • Office Software: Microsoft office, Microsoft Project 			
Experience			
From - To	Company / Project / Position / Responsibilities		
June 2023-Present	<p>Chief Hydro Mechanical Design Expert</p> <p>Responsibility</p> <ul style="list-style-type: none"> • Responsible for updated Feasibility Study Report • Leading the development and refinement of designs for various hydromechanical components such as gates, penstocks, turbine, and valves. • Estimation and bill of quantity preparation at feasibility level <p>Aayu Malun Khola Hydropower Project -21 MW / Hydro-mechanical Engineer</p> <p>Responsibilities</p> <ul style="list-style-type: none"> • Study, planning and design of various hydro-mechanical components of project such as gates, penstock, turbine and valve at feasibility level • Quantity Estimate and preparation of bill of quantities (Feasibility level) • Preparation of Feasibility report 		

<p>Nov 2017- Apr 2021</p>	<p>Aayu Consulting Engineers, Nepal / Super Nyadi Hydropower Project (42.6 MW)/ Hydro-mechanical Engineer</p> <ul style="list-style-type: none"> • Feasibility level study for upgrading of project capacity from 40.27 MW to 42.6 MW and preparation of Upgraded Feasibility Report. • Development and refinement of designs for various hydro-mechanical components such as gates, penstocks, turbine and valves. This involves conceptualizing detailing and optimizing design to meet project requirements and operational efficiency goal • Planning, design and preparation of feasibility level drawings (from headwork to powerhouse) for the project. • Estimation and bill of quantity preparation at feasibility level <p>Aayu Consulting Engineers, /Middle Daram Khola A HPP, 4 MW/ Hydro mechanical Engineer</p> <ul style="list-style-type: none"> • Prepare detailed project report for hydro mechanical and electromechanical equipments • Leading the development and refinement of designs for various hydromechanical components such as gates, penstocks, turbine, and valves. • Preparation of bill of quantiles for project financial analysis (construction level) <p>Aayu Consulting Engineers, /Middle Daram Khola B HPP, 4 MW/ Hydro Mechanical Engineer</p> <ul style="list-style-type: none"> • Prepare detailed project report for hydro mechanical and electromechanical equipments • Leading the development and refinement of designs for various hydromechanical components such as gates, penstocks, turbine, and valves. • Preparation of bill of quantiles for project financial analysis (construction level) <p>Aayu Consulting Engineers, / Maya Khola Hydropower Project, 14.9 MW / Hydromechanical Engineer</p> <ul style="list-style-type: none"> • Review of the project layout and study of the alternatives in pipe alignment and powerhouse. • Study and design of the structural components of the alternatives. • Preparation of drawings of the hydromechanical components <p>Aayu Consulting Engineers, / Down Piluwa Khola Small Hydropower Project, Sakhuwasabha / Hydromechanical Engineer</p> <ul style="list-style-type: none"> • Upgrading of project capacity from 9.5 to 10.3 MW • Planning and hydromechanical design of project component (gates, penstock, turbines and valves) • Preparation of Hydromechanical Drawings <p>Aayu Consulting Engineers, / Sepli Khola Hydropower Project, 5MW, Okhaldhunga, / Design Engineer</p>
----------------------------------	---

	<ul style="list-style-type: none"> • Study, planning and design of Hydromechanical components (gates, penstock, turbine and valves) at feasibility level • Quantity Estimate and preparation of bill of quantities (Feasibility level) • Preparation of Feasibility report <p>Aayu Consulting Engineers, / Aayu Chhetighad Hydropower Project, 13.94 MW, Darchula /Design Engineer</p> <ul style="list-style-type: none"> • Study, planning of major project hydromechanical components • Preparation of desk study report
September 2013- October 2017	<p>Puwa Khola One Hydropower Project, 4 MW / Puwa Khola -1 Hydropower Ltd / sr. Mechanical Engineer</p> <ul style="list-style-type: none"> • Oversee Process Plan, Schedule Management and Execute Design, Procurement, Installation and erection of Hydromechanical components and equipments. • Oversee Civil and HM and EM Coordination • Supervised and Managed information, data and records. • Facilitate and Validation IPC. • Co-ordinated with the banks, Contractor and Vendors.
August 2011- July 2013	<p>Junior Design Engineer / Geometric Limited, Chennai, India</p> <ul style="list-style-type: none"> • 3D modeling, assemblies and detailing for various mechanical and electrical components used in various Caterpillar Machines using modelling tools Pro-E wildfire 4. • Client interaction and technical support for New Product Design and Implementations • Documentation and Competencies (Quality and Delivery). • Product Optimization and ergonomics

Er. Maheshwor Dahal (Civil Design Expert)			
Personal Information			
Name	Maheshwor Dahal	Sex	Male
Date of Birth	02 Jan 1996	Nationality	Nepalese
Contact Address	Jadibuti-32, Kathmandu	Phone	9843702778
Language Skill	Nepali, English and Hindi	Email	maheshwordahal65@gmail.com
Present Employment			
Name of Employer	Accounting and Engineering Consult		
Address of Employer	New Baneshwor, Kathmandu		
Telephone	9851193942		
Contact Person	Uttam Kr. Thapa		
Job Title	Hydraulic Design Engineer		
Academic/Professional Qualification			
Degree	University/Institution	Pass out Year	
Msc in Hydropower Engineering	T.U/ Pulchowk Engineering Campus	2022	
Bachelor in Civil Engineering	T.U/Janakpur Engineering College	2017	
Professional Skill			
<ul style="list-style-type: none"> • Overall Designing /Management of hydropower Project • Drafting and Modeling using Auto-CAD, Etabs. • Hydraulic Design using HEC-Ras. • Hydrological Analysis using Hec-HMS, SWAT • Mapping and analysis using Arc-GIS, Google Earth 			
TRAINING			
<ul style="list-style-type: none"> • Earthquake Resilient Building Construction Technique (2016). • Design, Planning, and Development of Water Supply and Irrigation Project (2019). • Hydrological Modelling using HEC-HMS and SWAT (2020). • Hydraulic Design using HEC-RAS (2020). 			
PUBLICATION			
<ul style="list-style-type: none"> • Assessment of Climate Change Impact on Power Generation of Hydropower in Kaligandaki River Basin Using Hec-HMS and CMIP6 in 12th IOE graduate conference. 			
MEMBERSHIP OF PROFESSIONAL SOCIETIES			
<ul style="list-style-type: none"> • Member of Nepal Engineers' Council (NEC No.) : 16502 Civil "A" • Member of Nepal Engineers Association (NEA No.) : 28827 			

Experience (+ 8 years)	
From - To	Company / Project / Position / Responsibilities
Aug 2024 - Present	Sr. Design Engineer / Responsibilities <ul style="list-style-type: none"> • Overseeing the feasibility study process and ensuring all design aspects align with project objectives and timelines. • Coordinating with multidisciplinary teams including structural engineers, geologists, hydrologists, environmental specialists, and other key stakeholders to ensure an integrated approach. • Leading the hydraulic design of critical project components such as intake structures, tunnels, surge shafts, penstocks, and powerhouses. • Performing flow analysis and head loss calculations to optimize hydraulic performance and efficiency of the system. • Refining design options by evaluating alternatives for tunnel alignment, pipe diameter, and other hydraulic elements to maximize efficiency and minimize costs. • Compiling and analyzing data from site investigations, hydrological studies, and environmental assessments to develop accurate and reliable feasibility reports. • Ensuring all designs comply with international and local codes, standards, and best practices for hydropower projects.
May 2017- June 2024	Aayu Consulting Engineers / Super Naydi Hydro Power – 42.6 MW / Design Engineer of EPC contractor / Responsibilities <ul style="list-style-type: none"> • Gathering and analyzing all relevant data, including topographical surveys, hydrological data, geological investigations, and site conditions. • Assessing previous feasibility studies, environmental impact assessments, and other technical reports to develop a comprehensive understanding of the project requirements. • Designing the hydraulic components of the project, such as intake structures, headrace and tailrace tunnels, surge shafts, penstocks, and spillways. • Developing and refining alignment options for tunnels, penstocks, and other hydraulic elements, considering terrain, geological conditions, and potential environmental impacts. • Collaborating with structural engineers to design civil structures, including dams, powerhouses, and foundations, ensuring they meet safety and performance criteria. • Designing and integrating mechanical components such as turbines, gates, and valves, ensuring compatibility with the hydraulic system. • Preparing cost estimates, bills of quantities, and technical documents outlining construction methodologies and project phasing. • Conducting detailed risk assessments for hydraulic and structural components, identifying potential issues such as floods, landslides, and seismic activities. • Collaborating with multidisciplinary teams, including geotechnical, environmental, and electrical specialists, for an integrated approach to the DPR.

Aayu Consulting Engineers / Aayu Chhetigad Khola Hydropower Project – 27MW / Design Engineer/

Responsibilities

- Designing and optimizing hydraulic components such as intake structures, tunnels, surge shafts, and penstocks to ensure efficient water flow and minimal energy losses.
- Collaborating with structural engineers to develop and integrate civil structures like dams, powerhouses, and foundations, ensuring structural stability and safety.
- Preparing detailed technical drawings, construction plans, and specifications for all project components in compliance with industry standards and regulations.
- Conducting environmental assessments and risk analysis to identify potential hazards, such as flooding or seismic risks, and developing appropriate mitigation strategies.
- Estimating project costs, preparing bills of quantities, and creating project schedules for resource allocation and construction sequencing.

Aayu Consulting Engineers / Maya Khola Hydropower Project – 14.9MW / Design Engineer/

Responsibilities

- Reviewing project layout and evaluating alternative options for pipe alignment and powerhouse location.
- Preparing structural drawings for components, including anchor blocks, pipe supports, and retaining structures.
- Planning, designing, and developing construction drawings.
- Compiling bills of quantities for financial analysis at the construction level

Aayu Consulting Engineers / Down Piluwa Khola Hydropower Project – 11.3 MW / Design Engineer /

Responsibilities

- Supervision of survey work (Transversing and detailing)
- Study, Planning and design of project component (Headwork, Alignment, Surge tank, Powerhouse) at feasibility level.
- Quantity Estimation and preparation of bill of quantities (Feasibility level)
- Preparation of Feasibility report.

Aayu Consulting Engineers / Sepli Hydropower Hydroelectric Project – 5 MW /Design Engineer /

Responsibilities

- Assessing project layout and exploring alternative options for pipe alignment and powerhouse placement.
- Creating structural drawings for components such as anchor blocks, pipe supports, and retaining walls.
- Planning, designing, and producing construction-ready drawings.
- Preparing bills of quantities for construction-level financial analysis.

Aayu Consulting Engineers / Madhya Daram Khola-A Small Hydropower Project – 4 MW /Design Engineer /

Responsibilities

- Overseeing survey work, including traversing and detailing.

	<ul style="list-style-type: none"> • Studying, planning, and designing project components, such as headworks, alignment, surge tank, and powerhouse, at the feasibility level. • Estimating quantities and preparing bills of quantities at the feasibility level. • Compiling the feasibility report. <p>Aayu Consulting Engineers / Madhya Daram Khola-B Small Hydropower Project – 4 MW /Design Engineer /</p> <p>Responsibilities</p> <ul style="list-style-type: none"> • Developing the hydraulic elements of the project, such as headworks, system alignment, and surge components. • Planning, designing, and creating construction plans and technical drawings. • Compiling bills of quantities for financial evaluation at the construction stage.
<p>REFERENCES</p> <p>1.Uttam Kumar Thapa: 9851193942</p> <p>2.Mukesh Raj Kafle: 9851041278</p>	
<p>CERTIFICATION</p> <p>I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.</p> <p>Date:</p> <p>Signature:</p>	

Er. Bijay Thapa – Senior Hydraulics Expert			
Personal Information			
Name	Bijay Thapa		Sex Male
Date of Birth	23-01-1987		Nationality Nepalese
Contact Address	Dholahity, lalitpur Metropolitan City-26, (Nepal)		
Phone	(+977) 9841036466	Email	bijaykrthapa@gmail.com
Language Skill	Nepali, English and Hindi		
Present Employment			
Name of Employer	Accounting and Engineering Consult		
Address of Employer	New Baneshwor, Kathmandu		
Telephone	9851193942		
Contact Person	Uttam Kr. Thapa		
Job Title	Civil Hydraulics Engineer		
Academic/Professional Qualification			
Degree	University/Institution	Completed Year	
Master of Science in Water Science and Engineering,	UNESCO-IHE, Institute for Water Education, Delft (Netherlands)	2017	
Bachelors in civil engineering	Pulchowk Campus, Institute of Engineering, Tribhuvan University, Lalitpur (Nepal)	2010	
Professional Skill			
<ul style="list-style-type: none"> • Electronic Procurement System • Advanced Class in Translating Science to Application • Overall Designing /Management of hydropower Project • Engineering Software: AutoCAD, Civil 3D, SAP, GIS, SW-Road, SW-DTM, Smart Road, MATLAB(Basic), HECRAS, SWAT (basic), Arc GIS, HECRAS, HECHMS, Phase • Office Software: Microsoft office, Microsoft Project 			
Experience			
From - To	Company / Project / Position / Responsibilities		
Nov 2024 till date	Senior Hydraulics Engineer <ul style="list-style-type: none"> • Responsible for updated Feasibility Study Report • Revising Energy table and calculation of Head loss • Hydraulic design of project components (Headworks, Tunnel, Surge shaft, vertical pressure shaft, penstock alignment) 		

Nov 2017 - 2024	<p>Aayu Consulting Engineers, Nepal / Super Nyadi Hydropower of EPC Contractor Project (42.6 MW)/ Senior Hydraulics Engineer</p> <ul style="list-style-type: none"> • Feasibility level study for upgrading of project capacity from 40.27 MW to 42.6 MW and preparation of Upgraded Feasibility Report. • Hydraulic design of project components (Headworks, Tunnel, Surge shaft, penstock alignment) <p>Aayu Consulting Engineers, /Middle Daram Khola A HPP, 4 MW/ Hydraulics Engineer</p> <ul style="list-style-type: none"> • Study and Upgradation of Project Capacity from 3 MW to 4 MW • Hydraulic Design of project component (Headworks, Alignment, Surge system) • Planning, Design and preparation of construction drawings • Preparation of bill of quantiles for project financial analysis (construction level) <p>Aayu Consulting Engineers, /Middle Daram Khola B HPP, 4 MW/ Hydraulics Engineer</p> <ul style="list-style-type: none"> • Study and Downgrading of Project Capacity from 4.5 MW to 4 MW • Hydraulic Design of project component (Headworks, Alignment, Surge system) • Planning, Design and preparation of construction drawings • Preparation of bill of quantiles for project financial analysis (construction level) <p>Aayu Consulting Engineers, / Maya Khola Hydropower Project, 14.9 MW / Hydraulics Engineer of EPC Contractor</p> <ul style="list-style-type: none"> • Review of the project layout and study of the alternatives in pipe alignment and powerhouse. • Study and design of the structural components of the alternatives. • Preparation of Structural drawings of the components (Anchor Blocks, pipe support and retaining structures) <p>Aayu Consulting Engineers, / Down Piluwa Khola Small Hydropower Project, Sakhuwasabha / Hydraulics Engineer</p> <ul style="list-style-type: none"> • Upgrading of project capacity from 9.5 to 10.3 MW • Planning and hydraulic design of project components (Headworks, Headrace canal, Headrace pipe, Surge Tank, Penstock Alignment and Powerhouse Structure)

<p>July 2010-Oct 2015</p>	<ul style="list-style-type: none"> • Preparation of Construction Drawings <p>Aayu Consulting Engineers, / Sepli Khola Hydropower Project, 5MW, Okhaldhunga, / Hydraulics Engineer</p> <ul style="list-style-type: none"> • Preparation of Feasibility Study Report & • Detailed Project Report. <p>Aayu Consulting Engineers, / Aayu Chhetighad Hydropower Project, 13.94 MW, Darchula/Hydraulics Engineer</p> <ul style="list-style-type: none"> • Site Identification of Project. • Overall Technical Planning, Preparation Works, Coordination for Projects Activities & Design Works. <p>Aayu Consulting Engineers, / Aayu Malun Khola Hydropower Project, 21MW, Okhaldhunga /Hydraulics Engineer</p> <ul style="list-style-type: none"> • Preparation of Feasibility Study Report, • Detailed Project Report, Construction Supervision & Optimization. • Site Identification of Project. • Overall Technical Planning, Preparation Works, Coordination for Projects Activities & Design Works. <p>Pancheshwar Multipurpose Project, Kathmandu (Nepal), Civil Engineer</p> <p>Feasibility Study and Initial Environmental Examination (IEE) Study of Lower Chamelia Hydropower Project (20 MW)</p> <ul style="list-style-type: none"> • Prepared the terms of reference (ToR) for the feasibility and IEE Studies • Prepared EOI, RFP and contract documents of project • Analyzed historical hydro-metrological and recommend design discharge for project • Collected, processed and evaluated various data such as hydro-metrological, DEM, topographic map, soil map <p>Detailed Catchment Area Development Plan (DCADP) of Mahakali Basin</p> <ul style="list-style-type: none"> • Assist to prepare terms of reference (ToR), EOI, RFP and contract documents of project • Member of evaluation committee for bid documents • Prepared topographic map, land use map, soil map of Mahakali basin using ARC GIS. • Collected, processed and evaluated all data for various works.
---------------------------	---

	<p>Detailed Environment Management Plan (DEMP) of Pancheshwar Multi-purpose Project</p> <ul style="list-style-type: none">• Collected and analyzed historical hydro-metrological data of Mahakali basin• Member of evaluation committee for bid documents• Collected, processed and evaluated all data for various works. Study of the related documents such as drawings, plans etc., <p>Feasibility and EIA Study of Brahmadev- Pancheshwar access road</p> <ul style="list-style-type: none">• Monitoring and supervising consultant work• Hydrological analysis of different river across access road• Conduct field survey of Brahmadev-Pancheshwar access road. <p>Detailed Topographic Survey of Pancheshwar project site</p> <ul style="list-style-type: none">• Prepared topographic map of project site office using land development• Performed detail survey of area.
--	---

Shailendra Shrestha– Senior Geologist			
Personal Information			
Name	Shailendra Shrestha	Sex	Male
Date of Birth	15 May, 1984	Nationality	Nepalese
Contact Address	Godawari -11, Chapagaon, Lalitpur		
Phone	+977 9851074243	Email	shrestha.shailendra@gmail.com
Language Skill	Nepali, English, Newari and Hindi		
Present Employment			
Name of Employer	Accounting and Engineering Consult		
Address of Employer			
Telephone	9851193942		
Contact Person	Uttam Kr. Thapa		
Job Title	Senior Geologist		
Academic/Professional Qualification			
Degree	University/Institution	Completed Year	
Master in Sociology	Patan Cmpus/ Tribhuwan University	2018	
Master in Geology	Tribhuwan University	2013	
B.Sc (Geoplogy/Physics/Math.)	Trichandra College / Tribhuwan University	2009	
B. A (Economics/Philosophy)	Trichandra College / Tribhuwan University	2007	
+2	HSEB	2002	
Professional Skill			
<ul style="list-style-type: none"> • Geological Knowledge for implementation for Project • Designing of the Tunnel, Underground Structures, Slope Protection • Analysis of Geotechnical and Geophysical output for designing works • Overall Planning/Management of hydropower construction Project • Planning, scheduling and organizing resources • Coordination with Client/Consultant/Engineers and Sub-contractors 			
Publication			
<ul style="list-style-type: none"> • Shrestha, S., & Tamrakar, N.K (2013). Geotechnical Properties of Construction aggregates from the Trishuli Ganga River, Galchi area, Central Nepal. Bulletin of the Department of Geology, 16, 43-52. 			

Experience	
From - To	Company / Project / Position / Responsibilities
Part Time	<p>Worked and working as Expert / Senior Geologist in different Projects</p> <ul style="list-style-type: none"> • Puwa Khola Hydropower Project 4 MW, Ilam from Client • Super Aankhu Hydropower Project 25 MW, Dhading from Client • Dhap Dam, Shivapuri conservation area from Contractor • Bheri Babai Diversion Multipurpose Project from Contractor • Sun Khoshi Marin Diversion Multipurpose Project from Contractor • Slope Protection work of Chilaune danda Secondary School, Sindhuli from Contractor • Desigining of Nilbarahi temple Slope Protection work, Bhaktapur form Consultant • Risk management and hazard mapping of Barpak area after 2015 earthquake from ICIMOD. • Geophysical Investigation of different landslides in Kaligandaki Road, Myagdi • Geophysical Investigation of different landslides in Madhya Pahadi Road, Baglung • Geophysical Investigation of Guwa bhanjyang landslide in Bethanchok, Kabre • Lower Inkhu Khola Hydropower Project 10 MW, Solukhumbu from consultant • Solu Khola (Dudhkoshi) Hydroelectric Project 86 MW, Solukhumbu from contractor • Panchakanya Mai Hydropower Project 12 MW, Ilam from Client • Surnaiya Gad Hydropower Project 6 MW, Baitadi from Consultant • Seti Khola Hydropower Project 25 MW, Kaski from Client
August 2023 to till date	<p>Kathmandu University / Visiting Faculty</p> <ul style="list-style-type: none"> • Teaching Engineering Geology for BE Civil • Teaching Tunnel Desigining for Master by Research Program • Work in different research works by university
March 2022 – till date	<p>Himalayan Geotechnical and Tunneling Consultancy pvt. Ltd. (Managing Director)</p> <p>Geological mapping, geophysical and geotechnical investigation of different projects; Humla Krnali 1 Hydropower Project (235 MW), Humla Karnali 2 Hydropower Project (300 MW), Kaligandaki 2 Storage Hydroelectric Project (477 MW), Mugu Karnali Hydroelectric Project (100MW), Likhu Khola Hydropower Project (36MW), Lower Charnawati Hydropower Project 6.8 MW, Madame Khola Hydropower Project 24 MW, Budhi Gandaki Hydroelectric Project 341 MW.</p>

November 2018 - February 2022.	Urja Developer Pvt. Ltd. (Mewa Developers Pvt. Ltd.) / Senior Geologist During this period worked in Middle Mewa Hydropower Project 73.5 MW, Mai Beni Hydropower Project 9.7 MW and Lower Jogmai Hydropower Project 6.7 MW. Construction Supervision of overall project Quantity Verification Support approval in tunnel and slopes Designing of Blasting Pattern and determining of explosive for blasting Design modification and execution of tunnel and slopes Consult with experts and coordinate with client, contractor and sub contractors. Planning, scheduling and organizing resources Testing for quality control and other geotechnical testing in tunnel after completion Treatment of leakage problem in tunnel and surge tank slope
September 2017 – November 2018	Clean Energy Consultancy (CEC)/ Residential Chief Construction Supervision of Super Dordi Hydroelectric Project 54 MW. Quantity Verification Support approval in tunnel and slopes Designing of Blasting Pattern and determining of explosive for blasting Design modification of tunnel, slopes and other underground structures if necessary Consult with experts and coordinate with client, contractor and sub contractors.
February 2014 – September 2017	Clean Energy Consultancy (CEC)/ Engineering Geologist During this period engaged in DPR of Super Dordi HPP 54 MW, Down Puluwa Hydropower project 10 MW. Feasibility Report of Super Nyadi HPP 40.27 MW, Rudi Khola A and B HPP, Maya Khola Hydropower project. Pre-Feasibility of Upper Chameliya, Himchuli Dordi HPP, Tawa Khola Hydropower project, Upper Irkhuwa Khola Hydropower project. Construction Investigation of Jogmai khola Small HPP, Singati khola Hydropower project 25 MW, Upper Naughargad Hydropower Project 7 MW.
February 2014 - July 2015	Khani Khola Hydropower Company Ltd. / Geologist (Tunnel Incharge) Tungun Thosne Hydropower Project Khani Khola Hydropower Project Decision of blasting pattern in tunnel, rock supporting recommendation, portal design and supporting in portal, Break-through of the tunnel from starting, slope stability management of the excavated area of the project site, Quality control of aggregates in site are the major task performed.
July 2013- January 2014	China Gezhouba Group Co. Ltd. (CGGC) / Engineering Geologist Chameliya Hydropower Project (30MW) from CGGC. Specially work in squeezing problem of the tunnel and installation of required support for the squeezing rock.
March 2013– July 2013	East Management and Engineering Services (EMES)/ Geologist Preparation of Litho-log of Khimti 2 Hydropower Project (42MW) and Budhigandaki Storage Hydropower Project (1200 MW)

IV. PERSONAL DETAILS

Full name: **Madhukar Garg**

Nationality: **Nepali (born in Krishnanagar, Kapilvastu, Lumbini, Nepal)**

Date of Birth: **18th November, 1987**

Marital status: **Married**

Permanent Address: **Krishnanagar, Ward no-2, Kapilvastu, Nepal**

Correspondence Address: **Old Baneshwore, Kathmandu, Nepal**

Mob.: **(+977) 9851228777**

E-Mail: **madhukargrg@gmail.com**

PROFILE

Accomplished, Proactive and Energetic Engineer with significant experience in electrical design, testing, analysis and project coordination. Possess extensive educational qualifications with Master's Degree in Electrical Power Engineering.

Core Competencies and Professional Strength include:

- | | | |
|-----------------------|------------------------|---------------------|
| ➤ Project Management | ➤ Personnel Oversight | ➤ Quality Controls |
| ➤ Documentation | ➤ Safety Compliance | ➤ Purchasing |
| ➤ Project Development | ➤ Contracted Services | ➤ Customer Services |
| ➤ Electrical Design | ➤ Process Improvements | |
| ➤ Report Preparation | ➤ Project Scheduling | |
| ➤ Site Engineer | ➤ Cost Controls | |

SKILL BASE

- ▲ Familiarity with both the managerial as well as technical works.
- ▲ Time-efficient, systematic working methodology.
- ▲ Rapid adaptability to new problem-solving and new locations.
- ▲ Languages: Nepali, English, Avadhi, Tamil, Hindi.
- ▲ Computer Skills: Good Command in Office Packages of Windows, MATLAB, Electronic Workbenches.

PROFESSIONAL CAREER

- **Board of Directors/ Head of Engineering (Puwa khola-1 Hydro-Power Pvt.Ltd) (2013-till date)**

Responsibilities:

- ▲ Supervision of Detail design of Project.
 - ▲ Design of Electromechanical Equipment
 - ▲ Procurement of Electromechanical, Hydro mechanical Equipment and 33 kV Transmission line accessories.
 - ▲ Providing inputs on Civil design related to Electromechanical, Hydromechanical and Transmission line works
 - ▲ Construction Supervision for 33 kV (7 km long) Transmission Line Project
 - ▲ Quality control and Project Management.
 - ▲ Recruitment of various engineering designation
 - ▲ Project Planning and cost estimation.
-

- ▲ Official correspondence and documentation with concerned Government offices, Ministries and other organization for developing of Aayu Malun Hydropower Project -21 MW situated in Okhaldhunga District
- ▲ Technical Director of overall project and Team leader for Electromechanical and 132 kV Transmission line works(19 km long) related for Aayu Malun Hydropower Project

➤ **Chief Executive Officer (Dhaulagiri Construction and Development Pvt. Ltd.)(2021 – till date)**

Responsibilities:

- ▲ Supervising in preparation in contract document
- ▲ Supporting in estimation and project planning (for construction)
- ▲ Managing of overall construction activities of Red Book based BoQ Contract and Silver Book based EPC Contract

➤ **Other Jobs as Independent Individual/Consultant, with High Himalaya – Dhaulagiri JV, Dhaulagiri Construction and Development Pvt. Ltd. and High Himalaya – SSCE JV**

Responsibilities:

- ▲ Electromechanical Consultant and Coordinator of 132 kV D/C Transmission Line (19.8 km long) Project of Isuwa Khola PPro Cascade Hydroelectric Project – 40.1 MW situated in Sankhuwasabha District – represented Isuwa Energy Pvt. Ltd.
 - ▲ Team leader for Electromechanical works related to Rolwaling Khola Hydroelectric Project (20.66 MW) being developed by Upper Tamakoshi Hydropower Limited – represented High Himalaya – SSCE JV (EPC Contractor)
 - ▲ Total Co-ordination in Engineering Procurement and Construction model based hydropower project – Super Nyadi Hydropower Project (40.27 MW) situated in Lamjung District – represented High Himalaya Dhaulagiri JV (EPC Contractor)
 - ▲ Independent EM Consultant for Daram Khola Hydroelectric Project (9.6 MW) developed Daram Khola Hydro Energy Limited – represented Daram Khola Hydro Energy Limited
- **Worked as an Electrical Engineer in Hulas Steel Industries Pvt Ltd., Kathmandu, Nepal. (July 2009-July 2011)**

Responsibilities:

- ▲ Preparing documents for Tender jobs. (NEA based tenders)
- ▲ Execution of tender jobs after award of the job (NEA based tenders)
- ▲ Supervising as a site engineer in a 11 kV distribution line project in one of the remote area of Nepal i.e., Khotang.
- ▲ Handling 132 kV Substation and Transmission line projects like Syangja, Old Hetauda and New Hetauda.

EDUCATION

Degree Awarded	Year of Passing	University/Board	Name of Institution	Division/Percentage
----------------	-----------------	------------------	---------------------	---------------------

Masters in Electrical Power Engineering	2013	NTNU/KU	NOMA SCHOLAR	First division with 3.57 CGPA
Bachelors in Electrical and Electronics Engineering	2009	Anna University	PSNA College of Engineering & Technology	First division with 71.25%
Intermediate Level (10+2)	2005	Intermediate board of Hyderabad A.P	Sri Vivekananda Jr. College	First division with 91.7%
School Leaving Certificate	2003	SLC (HMG)	New Horizon English Boarding School	First division with 72.75%

THESIS WORK UNDERTAKEN IN MASTERS OF ENGINEERING

“Cost Assessment of Energy Not Served In Nepal” for Industrial, Commercial & Residential Consumers.

MAJOR COURSES UNDERTAKEN IN ENGINEERING

- Control System Design
- Power System Dynamics and
- Power Systems Stability
- Switch Gear and Protection
- Embedded Generation
- Power Electronics
- High Voltage Engineering
- Solid State Drives
- Power system Updates
- Financing of Power System
- Power Transmission and Distribution
- Computer Based Control Systems
- Power Transmission Systems Design

Declaration: - I, the undersigned, certify to the best of my knowledge and belief that this curriculum vitae correctly describes my qualification, my experience and me.

COMPANY DOCUMENT



नेपाल सरकार
उद्योग, वाणिज्य तथा आपूर्ति मन्त्रालय
कम्पनी रजिष्टारको कार्यालय
कम्पनी दर्ताको प्रमाण - पत्र

नाम परिवर्तन

कम्पनीको साबिक नाम परिवर्तन
गरि एकाउन्टिङ्ग एन्ड इन्जिनियरिङ्ग
कन्सल्ट प्रा.लि. कायम गरेकोलाई
मिति २०७८/०५/१९ को
निर्णयानुसार स्वीकृत प्रदान
गरिएको छ ।

दर्ता नं: १८४३७४/०७४/०७५

श्री एकाउन्टिङ्ग एन्ड इन्जिनियरिङ्ग कन्सल्ट

नामको प्राइभेट लिमिटेड कम्पनी संम्वत् २०७४ साल फाल्गुन महिना १० गते रोज
५ मा दर्ता भएको हुनाले कम्पनी ऐन, २०६३ को दफा ५ को उपदफा (१) बमोजिम यो
प्रमाण-पत्र दिइएको छ ।

मिति: २०७८-०५-१३

Government of Nepal

Ministry of Industry, Commerce & Supplies

Office of the Company Registrar

Registration No: 184374/074/075

स. रजिष्टार

कम्प्युटर आधारित

CERTIFICATE OF INCORPORATION OF COMPANY

This Certificate of Incorporation has been issued to
M/s Accounting And Engineering Consult
Private Limited having incorporated it on the 22 day of February, 2018 pursuant
to sub-section (1) of section 5 of the Companies Act, 2006.

Date: 2021-08-29

Asst. Registrar

शर्त कम्पनी संस्थापनलाई मात्र कम्पनीको उद्देश्य कार्यान्वयन गर्ने इजाजत प्रदान गरिएको नमानिने हुनाले कानून
अनुसार लिनुपर्ने अनुमति सम्बन्धित निकायबाट लिएर मात्र कम्पनीको उद्देश्य अनुसार कारोबार गर्नु पर्नेछ ।



नेपाल सरकार
अर्थ मन्त्रालय
आन्तरिक राजस्व विभाग
राजस्व कार्यालय कोटेश्वर
काठमाडौं



स्थायी लेखा नम्बर (PAN) दर्ता प्रमाण पत्र

स्थायी लेखा नम्बर :

६	०	६	७	७	३	६	६	३
---	---	---	---	---	---	---	---	---

आन्तरिक राजस्व कार्यालय :

आन्तरिक राजस्व कार्यालय कोटेश्वर

दर्ता मिति

आयकर:

१९ १२ २०७४

मु. अ. कर :

२९ ०४ २०७५

दिन महिना साल

कारोबारको नाम :

एकाउन्टिङ्ग एन्ड इन्जिनियरिङ्ग कन्सल्ट प्रा.लि.

करदाताको प्रकार :

प्राइभेट लिमिटेड

ठेगाना :

वार्ड नं. ३२, सुविधानगर

महानगरपालिका: काठमाडौं,
काठमाडौं

व्यवसायका कारोबारहरु :

व्यवस्थापन परामर्शका क्रियाकलापहरु, अन्य सिभिल इन्जिनियरिङ आयोजनाहरुको निर्माण,

Signature

करदाताको दस्तखत

मञ्जु नेपाल

कर अधिकृत

कर आयोजना

करदाताले पालना गर्नुपर्ने कर्तव्यहरु:

- कारोबार गर्दा अनिवार्य रूपमा विल विजक जारी गर्नुपर्छ।
- म.अ.करमा दर्ता हुनेले प्रत्येक कर अवधि (मासिक वा त्रैमासिक) समाप्त भएको २५ दिनभित्र म.अ.कर विवरण तथा म.अ.कर रकम बुझाउनु पर्छ।
- अन्तःशुल्क लाग्ने कारोबार गर्नेले अन्यथा व्यवस्था गरेकोमा बाहेक प्रत्येक महिना समाप्त भएको २५ दिनभित्र मास्केवारी र अन्तःशुल्क रकम बुझाउनु पर्छ।
- प्रत्येक आर्थिक वर्षको आय विवरण आर्थिक वर्ष समाप्त भएको तिन महिना भित्र बुझाउनु पर्छ।
- तोकिएको समयमा विवरण र कर रकम नबुझाएमा ब्याज, शुल्क र जरिवाना लाग्नेछ।
- यो प्रमाणपत्र देखिने गरी कारोबार स्थल/मुख्य कार्यालयमा राख्नु पर्नेछ।
- कुनै द्विविधा भएमा कार्यालयमा सम्पर्क राख्नुहोला।