



HYDRO-CONSULT ENGINEERING

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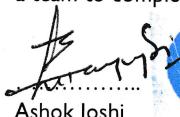
TO WHOM IT MAY CONCERN

This is to confirm that Mr. Kumar Baral, Permanent resident of Jitpur-2, Ilam, Nepal had been employed as a Civil Engineer in this company from March 2013 to Sep 2018 as full time employee.

His involvement can be summarized as:

- Construction Supervision of Mistri Khola Hydroelectric Project (42 MW)
 - Quality control and supervision work of powerhouse, switchyard, tailrace, river protection works, landscaping works, building finishing works, sanitary and electrification works.
- Detail Design of Likhu-2 Hydroelectric Project (50 MW)
 - Hydraulic and structural design of various components (River Diversion, Weir and dam, Intake, settling basins, tunnels, penstock pipe, powerhouse) of hydropower project
 - Preparation of design based memorandum, Detail Design Report of project.
- Construction Supervision of Upper Mai 'C' Hydroelectric Project (6.1 MW)
 - Quality control and site supervision work of weir, intake, settling basin, river crossing siphon, Headrace pipe, HRT excavation and final support, surge shaft, Penstock alignment, switchyard, powerhouse ,tailrace , river protection works.
 - Design and check of the components which are changed as per site condition.
- Construction Supervision of Upper Mai Hydroelectric Project (12 MW)
 - Quality control and supervision work of Penstock alignment, switchyard, powerhouse, tailrace, river protection works, landscaping works, building finishing works, sanitary and electrification works.
 - Design of anchor blocks, supervision of Electromechanical works,
 - Supervision of maintenance of leaked tunnel by consolidation grouting,
 - Design and check of the components which are changed as per site condition
 - Active participation on testing and commissioning of project.
- Detail Design of Upper Mai Hydroelectric Project (12 MW)
 - Hydraulic Design and drawing preparation of powerhouse.
 - Stability analysis, Structural analysis and drawing preparation of powerhouse.
- Detail Design of powerhouse of Kabeli A Hydroelectric Project (38 MW)
 - Hydraulic Design and drawing preparation of powerhouse.
 - Stability analysis, Structural analysis and drawing preparation of powerhouse
 - Design of access Road from Meki Highway to Project site,
 - Structural design of bridges between access road
 - Planning of camp area of project.
- Review Study of Upper Dordi A Hydropower project (22MW)
 - Preparation of review study report.
 - Cost estimation and financial analysis of the project.
 - Hydraulic design review and optimization of different component of project.
- Review Study of Naugargh Hydropower Project (10MW)
 - Preparation of review study report.
 - Cost estimation and financial analysis of the project.
 - Hydraulic design review and optimization of different component of project.
- Detail Design of Lower Manang Marshyangdi Hydroelectric Project (144MW)
 - Preparation of civil and structural drawing of Powerhouse and penstock pipe, anchor blocks.

Mr. Baral carried out his work with dedication as per his term of reference (TOR) with professional competence. We have found him diligent and honest employee. In addition to this he has very good interpersonal skills. He is confident, skilled and competent in carrying out the work assigned to him. He can work under pressure and work in a team to complete assignments within provided time.


Ashok Joshi
Head of Admin/HR

**HYDRO-CONSULT
ENGINEERING LTD.**



December 3rd, 2017

TO WHOM IT MAY CONCERN

Hydro-Consult Engineering Ltd (HCE) is a leading consulting company of Nepal especially in hydropower sector. HCE provides engineering services in the sector as driven by need of society based on innovative approached and technologies. It has extended its services in hydropower, water supply, irrigation, transport and other development sectors. HCE aims to produce appropriate design and engineering solutions for development projects within Nepal and abroad.

This letter has been issued upon the request of Mr. Kumar Baral seeing his keen interest in Master studies. Mr. Baral has been working here since March 1st, 2013 as Civil Engineer. Below is the list of projects he has been involved with;

- Detailed Design of Kabeli A Hydroelectric Project, 38MW
- Due Diligence Study of some Hydropower Project.
- Detailed Design of Upper Mai Hydroelectric Project, 9.98MW
- Construction supervision of Upper Mai Hydroelectric Project, 9.98MW
- Construction supervision of Upper Mai 'C' Hydroelectric Project, 6.1MW
- Detailed Design of Likhu 2 Hydroelectric Project, 55MW
- Construction supervision of Mistri Khola Hydroelectric Project, 42MW

Currently he is working on construction supervision of Mistri khola Hydroelectric Project 42 MW as Powerhouse Engineer/Incharge. Before on above mentioned projects, he has been assigned for layout preparation of the Headworks, Waterways and Powerhouse, Hydraulic design of Headworks, waterways and powerhouses, Optimization studies and structural design of different civil structures. In performing his assignments, he has shown good efficiency to use engineering tools and software like MS-Excel, SAP 2000 (structural analysis software) and HEC-RAS, Arc GIS, SW-ROAD etc.

Mr. Baral bears positive attitude towards learning and working in any responsibility assigned to him. He has also been actively involved in the extra activities (seminar, conferences etc.) organized in the office and always ready to share his knowledge with other coworker either through official presentations or group discussions. He has always impressed others with his honesty, learning and sharing attitude. Therefore, I recommend Mr. Baral for his master studies and for the possible scholarships. Furthermore, if he has to leave office for master studies we will grant leave throughout the study period and can provide additional documents upon your request.

I am sure he will work hard and could be one of the best student in his master degree course with excellence. And further he will use the knowledge in the development of the society and country. I wish him every success in his higher studies and future endeavors.

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Manohar Shrestha

Chief Executive Officer

Hydro-Consult Engineering Limited

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