

Curriculum Vitae



Name : **Engr. P. M. Kattel**
Nationality : **Nepali**
Date of Birth : **2/12/1967**
Permanent Address : **Manamaiju-8 ka, Shanti Tole, Kathmandu, Nepal**

Academic Qualification:

- **Master of Science in Construction Management [Msc. in Civil Engineering]** with merit in 2011 has been awarded from **Pokhara University** of Nepal.

The major subjects of study are **Quantitive Technique** and **Operation Research**, **Engineering Economics**, **Organization Behavior** and **HRM**, **Engineering Ethics**, **Construction Project Management**, **Construction Policy-Enviromental Law** and **Works and Services**, **Construction Management in Developing Countries**, **Financial Management**, **Water Resource Engineering and Management** and **Concrete Technology**.

A Research Study on “**Safety Management in Building Construction**” for **High Rise Apartment Building** at Kathmandu was carried out as final semester thesis.

- **Equivalent Bachelor Degree Honors [B.Eng.(Hons)]**, **AMSE-Certificate of Engineering** with Merit in **Civil and Structural Engineering** has been awarded in 2000 from The Society of Engineers, UK.

The specialised study on **Structural Analysis and Design in Ultimate Limit State** for **Concrete and Steel Structures** based on the **British Standard (BSI)** and **Code of Practice**.

- **Proficiency Certificate in Civil Engineering in First Division** from the **Institute of Engineering – Pulchowk of Tribhuvan University** in 1987 from **Nepal**.
- **School Leaving Certificate (SLC) in First Division** from the **Shree Shakti Secondary High School-Gorkha** in 1985 from **Nepal**.

Member of the Professional Body, Permit & Licence:

- **The Society of Engineers, UK** : **002263 "AMSE"**
- **Nepal Engineering Council, Nepal** : **4124 "A"**
- **Driving Licence (Car & Mortorcycle)** : **06-272014**

- **Passport No** : **2850999**, Validity (07-03-2006 – 06-03-2016)

Training / Workshop Participated:

- One month training during May 2006 for **Structural Analysis Program** (SAP-2000: Version 8–3D Analysis/ Response Spectrum Analysis) at Open National College at Kathmandu in Nepal.
- A one month training for **MICROFEAP (A semi 3-D Software Program for Structural Analysis** formulated by **Asian Institute of Technology- Bangkok**) has been taken from the **Institute of Engineering-Pulchowk**, Nepal.
- One month training on **Auto CAD 2002 (Practise on CAD 2004/2006/2008/2010** up to present).
- A Five days study tour to **IDE-Bangladeh** to observe rain water harvesting technologies as an alternative source of drinking water where there is Arsenic in ground water during 30th Jan.–3rd Feb. 2002.
- A Fifteen days "**Drinking Water Supply and Irrigation Scheme Study Tour**" to **Utter Pradesh** and **Bihar** at **Northern Part of India** in December 1996.
- Three month computer diploma on MS world, MS Excel and MS Dos from 18-Apr-1998 to 26-Jul-1998. On the job experience on Powerpoint and Ms Project 2007.

Professional Experience:

The Professional Experience with fully Veresed in Theory and Practice are as follows.

Period : **22nd July 2013-Up to Present.**
Employer : **Nepalese Farming Institute.**
Position : **Project Engineer**

Nepalese farming Institute is a non profit organization involved in the field of Eco-friendly Sustainable Farming system through out the SAARC (South Asian Association for Regional Cooperation) countries. Zero Energy Cold Store (ZECS) building construction program is a component part of NFI which provides cold storage facility for fruits and vegetable producing farmers to save from stress sell and post harvest glut situation of market. I am based at Kathmandu office with following duties and responsibility.

- Quantification, Costing, Monitorindg and Supervision of ZECS building construction program at Nepal, Bhutan, Afghanistan and India.
- Eco-friendly and earthquake resistance Structural Design and Drafting in Auto CAD program.
- Guide and Supervise for private, public and other Stakeholders for the construction and management of ZECS.

- Preparation of payment certificate, programming, reporting and evaluation of completed ZECS building constructed by the communities, private and public sectors.

Period : 29th June 2012-25th January 2013
Employer : Cities Building & Construction W.L.L., Doha, Qatar.
Position : Construction Manager

Cities Group is multidisciplinary company of Building Construction, Transportation and Building Maintenance division based at Doha city of Qatar. There was a construction project entitled Dunes Hotel Basement Parking at west bay of Doha on which I was employed as **Construction Manager** with following responsibilities.

- Program the work with Manpower Histogram for the construction work which was given to the subcontractor.
- Coordinate subcontractors for Civil Construction, MEP, Waterproofing, Lift, Aluminium and Glass and other finishing works.
- Prepare one month look ahead program on the basis of Construction Program of total project.
- Review all approved drawings and shop drawings in coordination with each other and get clarification in all technical discrepancies.
- Order and arrange all construction materials prior to the actual needs of the project.
- Monitor and follow up the subcontractor's work for Quality, Methods of Work and Safety as per the Specification, approved Method Statement and Safety Standard respectively.
- Arrange Machinery, Equipment and Tower Crane as per the needs of project.
- Coordination with Consultants, Clients and Superior Managers in course of progressive periods of projects.
- Administer the project staff and provide necessary sign and approval for concern document of the project.
- Organize construction team for day and night shift with proper combination of Engineers, Foremen, Workers, Safety Officers, Store Keepers and Electricians of Main Contractor and Subcontractors.
- Handling of Petty Cash and reimburse monthly and manage necessary logistics to the project.
- Preparation of Monthly Payment Certificates to the subcontractors.
- Exercise continuous decision making and problem solving process for the actual construction work as a part of construction management of the project.

Period : 13th May 2011-14th July 2011 (Short Visit)
Employer : Nimule Logistic and Construction Ltd. Juba, South Sudan
Position : Construction Engineer

- Architectural design and drawing preparation for Changing Room of Swimming Pool and Gym.
- Swimming Pool construction.

- Site plan preparation for Nimule Resort, Office and Mechanical Workshop.
- Prefabricated aluminium pannel house design and construction for Changing Room and Gym.
- Construction Management of Warehouse for Sudan Police Liberation Army.

Period : 30th May 2006–31st May 2008
Employer : Dutco Balfour Beatty LLC, Dubai , UAE
Position : Project Engineer

A luxury villa (B+G+1) of Mr Raed Baker at Al-Khawaneej and G+1 Office Building at Jumera were under construction at Dubai. At the begining of 15 month I worked for the Villa and moved to Office Building. For the complete Construction of Structure within the capacity of Project Engineer, following were my function tasks.

- Confirmation of Site Demarcation.
- Site Fencing and Office Set Up.
- Earth Excavation for Foundation by optimum utilization of Machinery with paramount Safety Precaution.
- Design for Shutter for Basement Wall, Columns, Beams, Slab and Domes as per requirement.
- Site Supervision for Structural and Finishing Works and provide necessary Technical Support to Site Engineer, General Foremans, Trade Foremans, Surveyors, Storekeeper and Project Secretary.
- Site Organization, Schedule of Work, Managenent of Materials and Control of Manpower and Machinery.
- Coordinate all the Drawings among of Interior Designer, Architectural, Structural and Shop Drawing prepared by Sub-Contractors.
- Initiate the Site Work Activities with proper Method of Construction during the progressive period of the Project.
- Preparation of Construction Method Statement, Tool Box Training and Risk Accessment for Excavation, Structural and Finishing Work on exact situation of Site Construction.
- Coordination and Tracking to Subcontractors towards their activities specially for MEP, Swimming Pool, Door/Window, Skylight, Lift, Flooring-Ceiling and wall Finishing, Water Proofing, External Landscaping, Central Vacum and House Automation System.
- Quality Control as per specified standard and Cost Control within the limit of available resources allowances by the Productivity Analysis of each items of works.
- Construction Program and 14 Days Roll Over Program with catch up program preparation and follow up.
- Quantity Calculation of Materials in order to Purchase and Execute the Site Works.
- Preparation of necessary Shop Drawings in Auto CAD 2008 and get approval from Client and Consultant.
- Dealing with Client, Consultant, Subcontractor , Supplier and Superior Managers.

- Regular instruction to provide Site Safety, good House Keeping and Cleaning as per Health, Safety and Environment Plocy.
- Project Administration and Control with intensive coordination with Division Manager.

Period : 28th December 2004 - 8th January 2006
Employer : Al-Madar Group WLL
Position : Site Engineer / Project Coordinator, Doha ,Qatar

Al Madar Group is a multidisciplinary firm of **Contracting, Carpentry, Engineering and Transportation, Real State and Trading Division** based at Doha Qatar . There was a Construction Project of 76 Residential Villa and Club House at Al Waab under Contracting Division. Initially I was assigned as a **Site Engineer** but after a couple of months my responsibility was extended to **Project Coordinator** with following responsibilities.

- Preparation of the works for inspection and to get approval from the the Consultant.
- Coordinate and consult Project Manager and Consultant for the commencement of construction works.
- Preparation of daily site programme based on weekly and monthly programme.
- Calculate the quantity and prepare materials tracking schedule and submittal to get construction materials on time.
- Control of quality and cost within the allowance of budget.
- Attend weekly progress meeting to present progress and plan to settle the site problems.
- Tracking of sub-Contractors and control the quality of their works.
- Coordinate Project Manager for equipment and manpower and make their follow-up.
- Verification of quantity and preparation of necessary documents to pay for the Sub-Contractors.
- Preparation of all the Quanties and Steel Bending Schedule needed to execute the project.
- Preparation of Monthly Payment Certificates to the subcontractors.
- Preparation of Shop Drawing in Auto CAD and get technical clarification from Consultant Engineer.
- Maintain Construction Safety at site at all the times.
- Intensive Coordination and Collaboration With Project Managers, Site Engineers and Head Office for the successful complition of assigned responsibility.

Period : 14th November 2002 - 15 July 2004
Employer : Al-Masad Road Co. Ltd. Riyadh, Saudi Arabia
Position : Bridge Engineer / Construction Engineeer

A 42 KM Double Lane Road Construction Projects at "**Majhma-Hafar Al-Batin Road Dualization Project**" **Part V** and **X** were under Construction at 250 KM North-West from **Riyad** city at **KSA**. There were four "**Precast Girder Concrete Bridge**" (3,4,5 & 2 span, each span 16 Meter) under Construction along the Road. So, followings were my responsibilities.

- **For the Construction of Bridges given to the Sub-Contractor**
 - Earth Excavation, Base Preparation & Backfilling for Bridge Foundation.
 - Control of Construction Quality and Materials as per **MOT** (Ministry of Transport) Specification.
 - Control of Work Force and Machinery.
 - Construction of Foundations, Abutment Walls, Columns, Cap Beams, Bearing Bases, Precast Concrete Girders, Diaphragms, Deck Slabs, NJ Barriers and Approach Slabs.
 - Lashing of Girders with Crane.
 - Construction Planning and Materials request.
 - Preparation of Monthly Payment Certificates to the Subcontractors.
 - Maintain Construction Safety and Site Planning.
 - Dealing with Client, Consultant Engineers & Surveyors.

 - **Paper Work at site office as:**
 - Excavation Plan and Shop Drawing preparation in Auto-CAD.
 - Procurement List Preparation and Stock Material follow up.
 - Quantity Calculation for Steel, Concrete, Structural Excavation, Form Work and Water Proffing & Drainage.
 - Elevation Computation for each stage of concreting.
 - Daily productivity reporting.

 - **Surveyor's Papers preparation at Site Office at Majhama Camp are as:**
 - Completion of Survey Field Book.
 - Preparation of Survey Sheet Level for each layer of Road Construction.
- Period : 1st February 2001-31st July 2002**
- Employer : International Development Enterprises**
- Position : Research Engineer / Manager**

IDE is an international NGO working in the field of Irrigation and Agriculture in Nepal. I was working on a project entitled “ **Development and application of low cost water storage tank for dry season irrigation of high value horticulture crops.**” I was based at Pokhara and manage the program at Kaski and Tanahun District. During the period of employment I was responsible for:

- Closely Monitoring and Supervision of project test sites.
- Technical Design and Field Testing of Water Tank.
- Data Collection, Analysis and Recommendation for Final Prototypes.
- Conducting training for different stakeholders and preparing Technical Manual for the final prototypes.
- Survey of potential stakeholder and impact study of research works.

- Day to day Management of Pokhara office.
- Staff Supervision and Evaluation.
- Monthly Reporting of Activities and Financial Statement.

Period : 1st October 1994-4th March 1997
Employer : SNV-Nepal, Mechi Hill Development Program
Position : Senior Technical Assistance

Mechi Hill Development Program was a branch of SNV-Nepal launching integrated rural development program in Ilam, Panchthar and Taplejung district of Nepal. MHDP was implementing development projects related to Natural Resource Management, Primary Health Care, and Income Generation. The provision of infrastructure and human resource development activities were supportive to those program components. In this capacity following were my responsibilities and duties.

- Need assessment of community.
- Feasibility study of construction activities and prioritization.
- Detail Survey, Design, Estimate and Implementation of Rural Water Supply Schemes, School Building, Water Mill, Hill Irrigation Canal, Foot Bridge and Kuwa Marmat (spring protection).
- Conduction of 15 days “Plumbing and Construction Training” for Construction, Repair and Maintenance of Water Supply Scheme as a trainer.
- Integration of construction activities with other activities for its sustainability.
- Conduction of Village Development Orientation (VDO) seminar to the VDC people to make aware about the process oriented development activities.

Period : 3rd January 1991-August 31st 1994
Employer : USC Canada Nepal
Position : Junior Engineer

USC Canada Nepal was implementing “Post Earthquake Programme” in Kavre, Dolakha and Sindhuli district as a relief and rehabilitation program after the devastating earthquake of 1985. After two years of relief program, the name of project was changed as “People’s Empowerment Program”. People’s Empowerment Program was focused into community development program to sustain the various program activities and for the upliftment of the socio-economic status of the deprived community of these areas.

I was appointed at Sindhuli district programme as Junior Engineer with the following responsibilities and duties.

- Implementation of school building program -10 blocks.
- Feasibility Study, Prioritization, Design, Estimate and implementation of Drinking Water Projects and Hill Irrigation Projects.
- Implementation of Suspension Bridge.

- Preparation of Monthly Payment Certificates to the subcontractors.
- Conduction of 7 days Plumbers Training to the “Repair and Maintenance Worker’s” of each Water Supply Projects.

Period : 22nd March 1988-31st December 1990
Employer : International Nepal Fellowship
Position : Section Head-Water and Sanitation

International Nepal Fellowship is a non profit making and voluntary organization involved in the field of community health. Under the INF there was a community health program entitled “Burtibang Community Health Program” implemented within the Ilaka 8 and 9 of Baglung District. The program activities were related to health and sanitation of community people. The major development activities were Mobile Clinic, Family Planning, Latrine Construction, Food and Nutrition and supply of clean Drinking Water. As a Water and Sanitation-Section Head following were my function tasks.

- Feasibility and Detail Survey, Design and Construction of Water Supply Scheme.
- Hydraulic Design of Drinking Water Line, Storage Tank, Intake Structure, Valve Chamber, Break Pressure Chamber, Distribution Chamber, Desilting Basin and Tapstands.
- Technical Supervision and Community mobilization for the implementation of water projects and latrine programe.
- Design and implementation of pit latrine for school and community household.
- 3 days Repair and Maintenance Training to the repair and maintenance workers of water supply projects.
- Monthly reporting the progress to the Project Head.