



RAJNISH DEO

OFFICER-PROJECT, CONSTRUCTION AND
MANAGEMENT

3+ Year's Experience in Hydropower

Ambitious Electrical Engineer with record of continuously exceeding both company and personal goals. Expertise includes AutoCAD, ETAP, PROTEUS, MATLAB, etc. Extensive knowledge of electrical engineering design and applications.

Contact



Work History

2019-01-
Current

Officer-Project Construction and Management

*CEDB Hydropower Development Company Limited,
Kathmandu, Bagmati State, Nepal*

- Proposed innovative design concepts, to overcome the difficulty in future and save the cost of project.
- Completed Electrical designs for 33kV Transmission Line along with survey of same Transmission Line.
- Verified construction documentation conformed to quality assurance standards and client requirements.
- Reviewed and assisted in performing technical bid analysis.
- Reviewed calculations and analytical data to maintain accuracy of technical reports.
- Provided technical guidance, peer review and mentorship to junior engineers engaged in designs.
- Oversaw large portfolio of projects to support teams, report progress and influence positive outcomes.
- Monitored contracts and service level agreements to identify potential risks and implement mitigation actions to protect development process from unforeseen delays and costs.
- Reviewed project goals and objectives on monthly basis with project manager and design team.
- Displayed strong communication and interpersonal skills while visiting clients, jobsites and consultant offices to support project and business development needs.
- Controlled engineering activities to maintain work standards, adhere to timelines and meet quality assurance targets.
- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.

Skills

MATLAB	■ ■ ■ ■ ■
AUTOCAD	■ ■ ■ ■ ■
ETAP	■ ■ ■ ■ ■
PROTEUS	■ ■ ■ ■ ■
MULTISIM	■ ■ ■ ■ ■
PSPICE	■ ■ ■ ■ ■
NI Labview	■ ■ ■ ■ ■
Hardware 8051 Microcontroller	■ ■ ■ ■ ■
Hardware Labview DAQ	■ ■ ■ ■ ■
Hardware Aurdino	■ ■ ■ ■ ■
Iverilog	■ ■ ■ ■ ■
Language C Programming	■ ■ ■ ■ ■
MS Office	■ ■ ■ ■ ■

Languages

English	■	■	■	■	■
Nepali	■	■	■	■	■
Maithili	■	■	■	■	■
Hindi	■	■	■	■	■
Kannada	■	■	■	■	■

References:

Mr. Sandip Dev

Joint Secretary

**Water and Energy Commission Secretariat
Ministry of Energy, Water Resources and
Irrigation**

Ph.: - +977-9841352188

2018-01-

2019-01

Jr. Officer-Project Construction and Management

*CEDB Hydropower Development Company Limited,
Kathmandu, Bagmati State, Nepal*

- Monitoring and supervision of Project Activities of Rukum Gad Hydropower Project.
- Studied the Load Flow analysis of Radhi Hydropower Project(4.4MW) (Operation), Lamjung for Voltage Control at Incoming Busbar.
- Monitored and supervised the Construction activities of Lower Khare Khola Hydropower Project(11MW) (Under-Construction), Dolkha.
- Spearheaded design of [Electromechanical](#) project under direction of senior Consultant and Bill of Quantities.
- Co-ordination with Government agencies for smooth flow of information essential for the Construction of Project.

2018-01-

2019-01

Engineer Trainee

*CEDB Hydropower Development Company Limited,
Kathmandu, Bagmati State, Nepal*

- Assisted with engineering calculations, design drawings, preliminary cost estimates and field visits to observe construction progress.
- Interfaced with project management team to prepare engineering submittals and work plans.
- Drafted and reviewed reports and specifications, including construction schedules, environmental impact studies and project designs.



Education

2013-08-

2017-06

Bachelor of Engineering: Electrical and Electronics Engineering

Visvesvaraya Technological University (VTU) - Bangalore

- Received **full scholarship** from **EdCIL (Indian Government)** to pursue **Bachelor in Engineering** through national competitive examination.
- Graduated with **First Class with Distinction**.
- Final Year Project (2017): **POWERTRAIN CONTROL OF AN ELECTRIC VEHICLE –** Controlling the supply of Powertrain Motor with implementation of Gear for Forward and Reverse Mode.

- Microcontroller Project (2015): **AUTOMATIC LIGHT CONTROL SYSTEM**- A room switching system, controlled by 8051 microcontrollers to on/off the Loads (lights/fans) sensing the presence/absence of human being.
- Linear Integrated Circuits and Power Electronics Project (2016): **SOLAR KIDS CAR** - Designed to boost the energy of the car implementing a motor, which run when Kids pedal the Car.
- Iverilog project (2015) code: **DIGITAL CLOCK**.
- Logic Design Project (2014): **JK FLIP FLOP MODEL, TRAFFIC LIGHT**
- Basic Electronics Project (2013): **LIGHT SENSOR (STREET LAMP)**- To switch of the light during daytime and switch on during nighttime automatically (save of energy).
- Member of **IEEE MSRIT** and **IEEE PES**.

2009-08-
2011-05

**Higher Secondary Education Board (Intermediate):
Science Education**

*Arniko Awasiya Higher SECONDARY SCHOOL<
BIRATNAGAR< NEPAL*

- First Division

2001-01-
2019-04

**Government of Nepal, School Leaving Certificate:
SLC**

HAPPYLAND MA VI, Rajbiraj, Nepal

- First Class with Distinction.
- President of JUNIOR RED CROSS SOCIETY (HAPPYLAND).

Extra-Curricular Activities

- Volunteered and Participated in College Fest and Department Fest.
- Successfully organized blood donation campaign, inter school quiz tournament in school.
- Participated in blood donation campaign.
- Participated in child awareness program, organized by **LION'S CLUB, REYUKAI (NEPAL)**.

Publications

2017-04

Paper Presentation at IEEE International Conference on Science, Engineering and technology on Motor selection for an Electric Car