



UTSAV ADHIKARI

Electrical Engineer

EXECUTIVE SUMMARY

Over a 7 year career in Nepal Electricity Authority, I have played an essential role in feasibility study, design, layout and construction of 400 kV transmission line and substation, where I have found my biggest passion.

-  DOB: June 12, 1990
-  Kathmandu, Nepal
-  utsav.adhikari@gmail.com
-  +977-9841793545

ACCREDITATION

Nepal Engineering Council

Registered Engineer
Registration No. 1315
Electrical A-Category

AFFILIATION

Nepal Engineers Association

Life Member
Registration No. 21439

WORK EXPERIENCE

❖ Nepal Electricity Authority, Kathmandu, Nepal Oct 2016-Present

Electrical Engineer

Email: rrk400kv@nea.org.np, Website: www.nea.org.np, Telephone Number: +977-01-4153051

- Involvement in feasibility study of Ratmate-Rasuwagadhi-Kerung 400kV Transmission Line Project.
- Involvement in design, layout and equipment selection for the proposed Trishuli 220/400 kV Substation.
- Collaborated with Millennium Challenge Corporation (MCC) regarding 400 kV bay extension of Ratmate 400 kV substation, Nuwakot.
- Environmental Impact Assessment (EIA) of Transmission Line Project.
- Budgeting, progress reports, presentations, coordinating with State Grid Corporation of China (SGCC).

❖ October 2014 – September 2016

- Preparation for Master's Degree Entrance Examination
- Started Master's Degree at Pashchimanchal Campus, IoE, Tribhuvan University from October 2015.

❖ Trade Link Inc. Pvt. Ltd., Kathmandu, Nepal

May 2014-Sept 2014

Electrical Engineer

Email: info@tradelinknp.com, Website: www.tradelinknp.com, Telephone Number: +977-01-4244408

- Coordinating import and installation of electromechanical equipment.
- Facilitating implementation of contract, liaising with clients, contractors, government agencies.
- Progress reports, budget and timeframe of electromechanical portion of projects,
- Collaborating with other engineers and professionals on cross-functional teams.

EDUCATION

❖ **Master's Degree in Distributed Generation, Electrical Engineering**

Nov 2015-May 2019

Tribhuvan University, Institute of Engineering,
Pashchimanchal Campus, Pokhara, Nepal.

- Advanced Power Electronics,
- Digital Simulation and Analysis of Power System,
- Distribution System Planning & Management
- Power System Reliability,
- Grid Integration of Distributed Energy Resources,
- Applied Photovoltaic Systems,
- Power Supply Quality.

❖ **Bachelor's Degree in Electrical Engineering**

Nov 2009-Oct 2013

Tribhuvan University, Institute of Engineering,
Kathmandu Engineering College, Kathmandu, Nepal.

- Electric Circuit Theory,
- Electric Machines,
- Control System,
- Instrumentation,
- Industrial Power Distribution & Illumination,
- Power Plant Design,
- Transmission & Distribution System Design,
- High Voltage Engineering,
- Switch Gear & Protection,
- Engineering Economics,
- Project Engineering.

ACADEMIC PROJECTS

❖ **Paper Presentation at seventh IOE Graduate Conference, (December, 2019).**

<http://conference.ioe.edu.np/publications/ioegc2019-winter/IOEGC-2019-Winter-04.pdf>

❖ **Post-graduate Thesis on *Battery Energy Storage System Optimization for Grid-Connected Wind-PV Hybrid System.***

❖ **Post-graduate Project on *Compensation of Impacts of Distributed Generation Using Smart Grid Technology.***

❖ **Under-graduate final year project on *Detection of Harmonics and Total Harmonic Distortion using Microcontroller.***

LANGUAGES

Nepali – Native

English – Proficient

Hindi – Professional Working

Computer Skills

Microsoft Office Package



C Programming, FORTRAN



MATLAB, AutoCAD 2D



Object Oriented Programming (C++)



Circuit Design Simulators (Proteus, Multisim)



TRAININGS/ WORKSHOPS

MORE ABOUT ME

LinkedIn Profile



- ❖ **Online Seminar on Power Management and Interconnection Technology for Belt and Road Countries** April 2023
National Research Institute for Rural Electrification, Ministry of Water Resources, China
- ❖ **Online Seminar on Rural Energy and Environment for Developing Countries** Dec 2022
National Research Institute for Rural Electrification, Ministry of Water Resources, China
- ❖ **Online Seminar on Electrification Mode based on Clean Energy for Belt and Road Countries** June 2022
National Research Institute for Rural Electrification, Ministry of Water Resources, China
- ❖ **Online Workshop on High-Quality, Sustainable, Resilient Power Grid for Green and Smart Living** Aug-Sep 2020
XJTU-PolyU Silk Road International School of Engineering, China
- ❖ **Training on AutoCAD Basic (2D)** Dec 2018-Jan 2019
NEA Training Center – Bhaktapur, Nepal
- ❖ **Training on MATLAB & Simulation** Dec 2016-Jan 2017
Pashchimanchal Campus, Institute Of Engineering, TU – Pokhara, Nepal

REFERENCES

- ❖ **Er. Komal Nath Atreya**
Project Manager,
Ratmate-Rasuwagadhi-Kerung 400 kV Transmission Line Project, NEA
komalatreya@gmail.com, +977-9841390193
- ❖ **Er. Suman Budhathoki**
Chief Engineer, Trade Link Inc. Pvt. Ltd.
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- ❖ **Assoc. Prof. Er. Bhrigu Raj Bhattarai**
Thesis Supervisor, MSc in Distributed Generation
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