



SHASHANK HARIHARAN

Manager

Electro mechanical Division

**Energy Infratech Private Limited**

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## Profile

With over 11 years of experience in India Power Sector, working as Electro mechanical Engineer for various Power Projects in India and abroad. Some of the projects worked are:

- 2 X 8MW Patikari Hydro Electric Project, Himachal Pradesh
- 2 X 50MW Malana II Hydro Electric Project, Himachal Pradesh
- 6 X 200MW Teesta Stage III Hydro Electric Project, Sikkim
- 2 X 48MW Dikchu Hydro Electric Project, Sikkim
- 2 X 48.5MW Tashiding Hydro Electric Project, Sikkim
- 2 X 48MW Jorethang Loop Hydro Electric Project, Sikkim
- 4 X 150MW Kholongchhu Hydro Electric Project, Bhutan
- 6 X 175MW Kuri Hydro Electric Project, Bhutan
- 2 X 12MW Gullu Small Hydro Power Project, Chhattisgarh
- 5 X 342 + 1 X 40MW Lower Demwe Hydro Electric Project, Arunachal Pradesh
- 5 X 216MW Upper Demwe Hydro Electric Project, Arunachal Pradesh

## Professional Highlights

He is involved in the preparation of detailed project reports/ feasibility report of Hydro projects which include selection of optimum installed capacity, planning and preparation of single line diagrams and system studies which include short circuit analysis, load flow studies, stability studies etc. The detailed project report works requires planning and sizing of the powerhouse and related structures for which selection and sizing of the main plant equipment and ancillary equipment are done based on in-house software. This stage also involves preparation of the cost estimates based on present market trends.

Preparation of the detailed technical specifications based on various bidding techniques and procedures which also include quality assurance plans, risk analysis and mitigation for shortfall in output and efficiency and forms to be filled by the Contractor for guarantees and informative data for Main plant and Electrical Balance of plant equipment EBoP. Worked on Engineering design review, detail engineering and inspections of main plant and EBoP



documents and drawings. Services also offered for Technical audit and Due diligence services for projects under operation/ construction.

Implementation of Quality Procedures Manual and Internal Audits for ISO 9001: 2008 and includes updating of the manuals as per requirement.

### **Educational Qualification**

Bachelor of Technology, Electrical Engineering, Kurukshetra University

### **Other Certifications**

Internal auditor certified, ISO 9001: 2008

Member M 1549531, The Institution of Engineers (India)