

Mohd Irfan Husain

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PROFESSIONAL SUMMARY

I am looking forward to Electrical Engineer (Design) in Refinery, Fertilizers, Petrochemical Industry, hydrocarbon, Oil & Gas with a reputed organization that allows me to improve my abilities and which provides an environment to share & contribute my skills with others so that I will be a part of success in that organization.

CURRENT ORGANIZATION:

PROJECTS & DEVELOPMENT INDIA LIMITED-PDIL (VIA AISL)
(A Govt. of India Undertaking, Dept. of Fertilizers)

New Delhi, ND

Electrical Engineer (Design)

(October 2019 – Present)

PREVIOUS ORGANIZATIONS:

ALMONDZ GLOBAL INFRA-CONSULTANT LIMITED

NEW DELHI, ND

Electrical Engineer (Design)

(June 2017 – September 2019)

BAJI MAXGROW PRIVATE LIMITED

Mumbai, MH

Electrical Engineer (Design)

(February 2016 – May 2017)

BLUE STAR LIMITED

Gurgaon, HR

Electrical Site Engineer

(July 2013 – December 2015)

ENGAGED IN PROJECTS (INDUSTRIAL):

-CATALYST MANUFACTURING UNIT, PANIPAT, INDIA

-AMMONIA UREA FERTILIZER PLANT, GORAKHPUR, INDIA

-MODIFICATION OF SSP(SINGLE SUPERPHOSPHATE) /ASSP(AMMONIATED SINGLE SUPER PHOSPHATE) UNIT AT KOKAND, UZBEKISTAN (COMPLETED)

TECHNICAL SKILLS

Power System Studies	: ETAP based on Load Flow Analysis & Short Circuit Analysis Motor Acceleration Analysis Transient Stability Analysis Protection Device Co-ordination
Control/Schematic Software	E-Plan P8
Lighting Software	DiaLux, Relux & CG Lux
Drafting & Modeling Software	Autocad, Revit MEP
Computer Software	MS Office

ROLES & RESPONSIBILITIES

- Preliminary & Detailed design the Electrical Substation of industrial plant (**132/11/6.6/.433KV**) in Refinery, Fertilizers, Oil & Gas sector.
- HT/LT equipment's sizing (inclusive of Distribution Transformer & Lighting Transformer, Switchgear, Bus of Bar, Capacitor Bank, Motors, Cable, &, Generator, UPS, Earthing & Lighting, Cable Tray etc.), Voltage drop calculation.
- Preparation & Modification in SLD & Schematic drawings (Control) etc.
- Protection devices sizing (ACB, MCCB, MCB, ELCB, CT &PT, di etc.).
- Understanding of Bus bar protection, differential protection etc.
- Electrical Load List/ Analysis.
- Electrical Cable schedule & Load schedule for HV/LV
- Lighting calculation using DiaLux as well as the manual calculation.
- Preparation of Substation, PMCC, MCC, Earthing, Lightning protection, Cable Tray, Lighting & Power Layout.
- Cable Tray/cable routing, Cable Trench, Slit etc.
- Detail Vendor drawing/documents reviews of HV/LV Switchboard, Distribution Transformer, Motors, Cables, All GTPs & QAP, DC, UPS, LCS, DCS system, Battery & Battery Charger, Generator Package, Mechanical Packages (HVAC & Ventilation System), Instrumentation cabinets & packages, Power etc.

- Prepare Procurement engineering that includes preparing RFQ/ Material requisition, Technical Query, Comparative Statement (TBE).
- Preparing drawings through extensive study of technical documents on detailed engineering; resolving site queries to meet execution requirements; understanding the technical & functional specifications.
- Collecting data for design and coordinating the entire operation, including requirement analysis, finalizing specifications, and designing; dealing directly with the client for technical queries & giving the best possible solution.
- Preparation and finalization of electrical design basis for all electrical equipments with respect to various projects and standards.
- Commissioning Specification for Switchboards, Distribution boards etc.
- Hazardous area classification layouts, & selection of equipment based on source List input for process area.
- Material Take Off (MTO) & Installation Drawing
- Development of Electrical Installation drawings/documents.

FAMILIAR WITH NATIONAL & INTERNATIONAL CODES AND STANDARDS

- IEC, ANSI, NEMA,
- NFPA 70, NEC, DEWA,
- OISD, IS, BIS, ECBC, NBC
- **Test Certifications:**
- PESO, CIMFR, CPRI,

EDUCATION

ALIGARH MUSLIM UNIVERSITY, Zakir Hussain College of Engineering & Technology, Aligarh, UP
Bachelor of Technology, Electrical Engineering (July 2009 - May 2013)

CERTIFICATIONS

- Certified PLC (Programmable Logic Controller) professional from ZMS Technologies, Germany
- Modules covered: Siemens S7-1200, S7-300, TIA, WinCC Flexible HMI and Janitza Power Monitoring
- Project: Programming of Conveyor belt using Siemens S7 300 and WinCC Flexible
- **Diploma in Electrical Designing and Drafting from SM Techno, Hyderabad**

ADDITIONAL & PERSONAL TRAIT

- Ability to work well under pressure, Team as well as Individual
- Punctual, strong work ethic and commitment to excellence
- Problem-solving skills, Efficient and Team as well as individual working skill
- Passionate to learn new technical software.
- Accept new challenges
- Goal-oriented & interpersonal skill

PERSONAL TRAIT

Date of Birth	Nationality	Languages Known	Gender	Status
15-08-1992	Indian	English, Hindi, Urdu	Male	Single