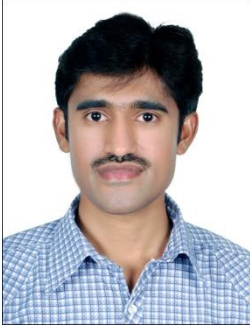


CURRICULUM VITAE



Name: **Vijay Bollu**

Contact: 00919606631825

Whatsapp: 00918142985431

Email: bolluvijay@gmail.com

Skype id: bolluvijay@gmail.com

LinkedIn: <https://sa.linkedin.com/pub/vijay-bollu/37/3b7/b39>

Educational Qualification

- M.Tech [Power Systems] from National Institute of Technology Warangal, India.
- B.Tech [Electrical and Electronics Engineering] from J.N.T.U College of Engineering - Anantapur, India.

Profile Summary

- A dynamic Professional with **nearly 12+ years (11 years in Saudi Arabia)** of experience as **Sr.Electrical Design Engineer/Sr.Electrical Engineer** in Detailed Designing, Design Basis Report, Design Drawings, Power System & Protection Studies, Strategic Planning, Proposal, Project Engineering & Management, etc.
- Expertise in managing diverse range of project/ operation activities related to project conceptualization, design planning, project design, implementation, validation, handover and process improvements
- Qualitative experience in leading power system planning, design & development, ensuring compliance with quality standards and smooth implementation of projects
- Preparation of basic and detailed engineering design deliverables like Key SLD, detailed SLD, Protection & metering drawing, Protection block logic diagram, Interconnection drawings, technical specification, technical bid evaluation, review and approval of vendor drawing for major electrical equipment, review & approval of vendor schematics for LV, MV & HV equipment's like switchgear, MCC, Panel boards, RMU's, Procurement assistance for major electrical equipment's such as switchgears, MCC's, Panel boards, CT, PT, Transformers, RMU's, Substation insets, Bus duct, motors, generators, Battery & chargers, UPS system.
- Knowledge of Electrical Codes and standards like IEC, IEEE, NFPA, Saudi Aramco (SAES,SAMSS,...), SBC, SEC and RC
- Preparation of Substation Equipment Layouts, Switchgear Layouts, Earthing Layouts, Power & Cable routing Layouts, Lighting Layouts, Termination schedules, cable schedule etc. for many large scale projects
- Project documentation and maintenance of ISO 9001-2008 quality procedure
- Relays handled for protection: GE, ABB, Siemens, SEL, Alstom & Schneider make
- Load flow studies, Short circuit analysis, Relay protection settings & co-ordination studies
- Design calculations HV & LV Cable sizing, Relay setting calculation, UPS & Battery sizing, Earthing & Lightning protection, Transformer & DG sizing and Lighting system

Present Experience

From Oct 2017 to till date: GRINDWELL NORTON Ltd. Bangalore, India

Having experience as Electrical Engineer in the Project Engineering Group (PEG) is a Division of Grindwell Norton Ltd (GNO), which is part of the Saint-Gobain Group.

Responsibilities:

To deliver the following industry standard submittals in line with client expectations on time.

- To project manage and carry out design work on a number of projects from inception to completion.
- Ensure the projects are delivered on time, within budget and to the project brief.
- Develop relationships with clients and other professional project team members.
- High degree of knowledge and ability in own engineering discipline.
- Able to work as part of a team
- Able to prioritize and meet deadlines.
- Flexible/adaptable.
- Good organization and communication skills with staff at all levels.
- Analytical approach to problem solving.
- Proficient in Promis-e, AutoCAD, Microstation, Dialux and MS Office
- Willing to travel and work on overseas projects
- Basic & Detail Engineering: Basic & Detailed Engineering for the project based on client inputs
- Project planning, scheduling & reporting: Preparation & tracking of project schedule using MS Projects
- Power Distribution Systems
- Single Line Diagrams
- Cable & cable tray schedule, routing diagrams, etc
- Plant Electricals & Lighting
- Control schematics
- Specifications & BOQ for procurement

Previous Experience 4

From Dec 2016 to Aug 2017: ICONS Engineering Services, Hyderabad, India

Having experience as Sr.Electrical Design Engineer in the field of Chemical Plants, Oil & GAS, Buildings, Substations and Fertilizer industries.

Responsibilities:

To deliver the following industry standard submittals in line with client expectations on time.

- Electrical design basis, Load list
- Electrical equipment sizing (Generator, Transformer, UPS etc.)
- Cable sizing, Cable Schedule, Cable tray sizing.
- Earthing calculation, Lighting Calculation using various Software
- Data Sheets, Specifications
- Design of Bus Duct System
- Preparation of MTO, Material Requisition

- Technical Bid Evaluation, Vendor document review
- Electrical System studies including
- Short circuit study,
- Load flow analysis
- Relay coordination Study
- Electrical design drawing including
- Single Line Diagram, Hazardous area classification, Cable routing, Lighting Layout, Earthing layout, Lightning Protection Layout, Installation details

Previous Experience 3

From May 2013 to August 2016: Dar Al Riyadh Consultants, Engineering & Architecture Division (Joint Venture with WSP Middle East & Louis Berger), Al-Khobar, Saudi Arabia

Having 2+ years of experience as Electrical Engineer for Substation Projects, Infrastructure Projects and Building Services Projects based on the RC/SEC/NFPA/SBC/IEC standards for Ras-Al Khair industrial city, Jubail, Saudi Arabia.

Responsibilities:

Electrical Building Services Design

- Prepare design specifications and technical drawings, suitable solutions and estimate costs & timescales.
- Preparing Design Basis Report based on the Front End Engineering and Design document
- Fully aware of Electrical Codes and Standards – BS, NEC, IEE, IEEE, NFPA, IEC
- Generation, Transmission and Distribution of Electricity,
- Wiring Accessories and Cable Management Systems
- Power System Design: Circuit Breakers, Panel boards, Motor Control Center (MCC), Switchgears, Transformers, UPS/Inverter, Generators, Automatic Transfer Switches
- Coordination with HVAC, Plumbing, Fire Fighting, Lift systems like Chillers, AHU, FCU, Water and Drainage Pumps, Fire Fighting Pumps etc.
- Lighting System: Lighting Fixture, Lighting Design – Illumination Lux Levels, Emergency and Exit Lighting System
- Earthing and Lightning Protection
- Electrical Design Calculations: Circuit Breaker Sizing, Selection and Calculation, Total Connected Load and Peak Demand Calculation based on Diversity Factors, Load Distribution Schedules and Load Balancing, Transformer Sizing Calculations, Standby Generator Sizing Calculations, Lighting Illumination Calculations, Voltage Drop Calculations, Short Circuit Calculations
- Low Current Systems: Fire Alarm, Smoke and Heat Detection System
- Electrical System Design: Lighting Layouts, Power Layouts, Single Line Diagrams (Design and Shop Drawings)
- Project Management: Coordination with Project Estimation, Testing & Pre-commissioning, Planning, Procurement Process, Tendering, BOQ etc.

Infrastructure Projects Design:

- Prepare design specifications and technical drawings, suitable solutions and estimate costs & timescales.
- Preparing Design Basis Report based on the Front End Engineering and Design document
- Preparing HV/MV/LV Power Single Line Diagrams
- Preparing HV/MV/LV Power Distribution Layouts
- Preparing Street Lighting Layouts
- Preparation of Traffic Signaling system
- Preparation of Duct Bank Details, Substation and RMU Details.
- Prepare the lighting illumination level table analysis using DIALux software or any other lighting program.
- Prepare the cable sizing calculations, short circuit and voltage drop analysis.
- Prepare the Electrical load calculation using NEC standards and local regulations
- Liaising with others in the design team and with clients and contractors, detailed calculations to compute and establish manufacturing, construction, and installation standards and specifications.
- Organized and systematic towards work and be able to work independently with minimum supervision and lead the supervision team at site.
- Coordination between various disciplines/contractors to ensure construction quality and design compliance.
- Client & Contractor interfacing. Managing and coordinating with a team of specialists.
- Reviews Electrical Engineering Layouts, plans and specifications based on the national building code, NEC 2008 code and Royal Commission Standards.

Previous Experience 2

From Dec-2005 to April-2013: Arabian Point Eight Power Co. Ltd & The Saudi Transformers Co.Ltd, Dammam, Saudi Arabia

Responsibilities:

- Designing medium voltage switchgear up to 38kV, MV/LV MCC's, Low voltage switchracks, Low voltage panel boards, Low voltage Explosion Proof Panel boards
- Have to prepare detail design schematic drawing; wiring diagram, Front View, Door lay out, SLD, etc. for 480V to 38kV Switchgears, 480V classified and unclassified switchracks and panel boards.
- Has to carried out requirement of material, client technical discussion, Bill OF Material, clear the technical problem during testing, coordination with all department like, purchase, Production, testing, etc..Have to attend FAT whenever required.
- Make submittals to Clients/ Consultants.
- Ensure submission of drawings and submittals within the stipulated time.

- Ensure release of work orders (procurement details) on time.
- Resolve technical and commercial issues that arise during design and production process. Clarify queries during customer inspection of product
- Prepare control schemes, Prepare protection schemes, CT calculations
- Prepare shop drawings, prepare schematics, Prepare wiring & production drawings
- Liaison with client, Prepare progress reports
- Prepare bill of materials/components, Project Schedule
- Switchgear Layouts and Backpan, DC Load calculations
- Project execution including support for Factory Acceptance Test
- Supervise other engineers as needed and Supervise CAD operators
- Prepare change orders, Involved in Estimation for MV switchgears, LV switchracks & Panel boards
- Provide technical direction to team of supervisors, technicians, testing & commissioning, Prepare spare parts data package
- Attending engineering & projects meetings as required.

Previous Experience 1

From June 2004 to Nov-2005: Global Energy Consulting Engineers (GECE), Hydera bad, India

Responsibilities:

- Perform Base line studies & prepare upgradation Plan
- Develop Computer aided Engineering design of Project to meet future needs
- Prepare a detailed Project identifying cost estimate, Benefits, and Financial analysis
- Generate construction drawings, Bill of Quantities and Bill of Materials
- Building GIS Systems, including customer indexing.

Personal Details

Nationality : Indian
 Marital Status : Married
 Languages Known : English, Hindi, Telugu, Tamil and Malayalam
 Present Address : Kurnool, India

Declaration:

I hereby declare that the particulars mentioned above are true and complete to the best satisfaction of my Knowledge.

Place: Bangalore, India

Date: March 2018