

AGNI MUTHU, B.E – ELECTRICAL AND ELECTRONIC ENGINEER, M.B.A – PM...

Mobile: +917339109895 ~ **E-Mail:** agniuae2016@gmail.com

Skype: agniuae2016@gmail.com, Chennai, India.



JOB OBJECTIVE

Looking forward for **Electrical Engineer in MEP, EPC and LV- switchgear industry** with an organization of high repute in core and Oil & Gas field that gives me an opportunity where I can improve my abilities and which provides an environment to share my skills with others.

PROFILE SUMMARY

- Over 7 Years of Experience as 2+ years in **Production and Assistant QC engineer** for LV Switchgear in L&T India as well as 4+ years worked as a **Senior Electrical Engineer/Assistant Project Engineer** in **MEP, EPC and LV switchgear** Industries in **Dubai, U.A.E.**
- Be knowledgeable in electrical building design services, associated electrical regulations and technical standards (British Standards, Chartered Institution of Building Services (CIBSE), International Electrical Commission (IEC) Standards, European Standards and NFPA.
- Experience in **EPC and MEP Design** Firms like residential commercial and industrial electrical systems as per Standards and Codes in Oil and Gas, Power plants, petrochemical plants and Cement Plants.
- Experience in engineering design and estimation for EPC projects including preparation of SLD, technical specifications, sizing calculation of switchgears, PCC/PMCC/MCC, transformers, cables, battery & battery charger, earthing.
- Experience in preparation of motor starters such as VFD, SS, ATS in LV and MV system, various control circuits, review of vendor switchgear panel schematics etc.,
- Estimation of project cost. Planning, organizing and supervising the work of engineers and technicians assigned to projects.
- Experience in Estimating and Designing software in **Auto cad, Cad Electrical, Autodesk BIM, Revit MEP, E- Plan, Candy.**
- Working knowledge on Industrial automation products like Schneider, Siemens, L&T, Allen-Bradly, and Mitsubishi PLC, HMI, SCADA.
- Experience in **MEP** Revit, Excel, Power Point and Word. Capable of working on own initiative.
- Complete knowledge in Electrical and Mechanical inspection/testing of LV switchgear.
- Familiar in IS/IEC Standards, ADDC, ADNOC, DEWA, SEWA and U.A.E regulation related to LV Switchboards.
- A quick learner and team player with strong troubleshooting and organizational abilities

CORE COMPETENCIES

- Experience in the design of Low and medium voltage switchgears (MV) based on 11 and 22 kV, transformer sub- stations, emergency backup generators, low voltage main switchboards (400V/ 230V) for normal and emergency power supply, motor control centers (MCC's), sub- main distribution boards (SMDB's), final distribution boards (DB's), raceways, cable trays, cabling and wiring, control equipment and the like, lighting installations, power outlets and wiring accessories, cable management systems, uninterruptable power supply (UPS), central battery system (CBS), earthing system and lightning protection system.
- Experience in Testing and commissioning of Panels, Breakers, Motors and Electricals Switchgears.
- Estimating and Design of low voltage switchgear products like Main Distribution Boards, Sub Main Distribution Boards, Final Distribution Boards, Motor Control Centers and PLC etc., in FORM 2 and FORM 4 (Type 2 to Type 7) with respect to IEC, DEWA, SEWA, ADNOC and ADDC regulations.
- Design, Programming, Installation and testing commissioning of Delta, Siemens PLC controller and Eaton VFD drives, DC drives, AC/ DC motors and their switchgear control panels.

ORGANISATIONAL EXPERIENCE

March'15 to June'17 with Advanced Electro Engineering llc (ETTS MEP Contractor), Dubai IP-1, Dubai, U.A.E., MEP & Switchgear Division.

Assistant Project Engineer Role: (Dec'16 to June'17)

- Responsible for leading the Electrical Estimating and Designing related to International standards and codes.
- Reporting to the General Manager – MEP, Assisting the GM in the preparation of tender from beginning stage till the submission.
- Providing guidance to prepare Lighting layouts, power layouts, Load schedule, single line diagram and the related engineering calculations like panel board circuits and main distribution board circuit breaker size selection etc.
- Accountable for attending meetings with Team/ User for resolving different technical issues at the design stage.
- Involved in the technical and Management supervision along with site execution and highly driven in various projects.
- Following higher management time schedule instructions and advices, reporting work field condition problems & statues to higher management, following activities of other departments in site.
- Coordinate with Contractor for the fast progress work on site implementation of advanced system and material available in market as per the requirement and conduct weekly Site Inspection & prepare Monthly Progress Reports.

Senior Electrical Engineer Role: (March'15 to Dec'16)

- Study of tender or job in hand documents, scope of work, technical drawings, BOQ, specifications, client's requirements and etc., from the tender/job in hand documents for the proper estimating works.
- Estimating and Design of low voltage switchgear products like Main Distribution Boards, Sub Main Distribution Boards, Final Distribution Boards, Motor Control Centers and PLC etc., in FORM 2 and FORM 4 (Type 2 to Type 7) with respect to IEC, DEWA, SEWA, ADNOC and ADDC regulations.
- Prepare electrical single line drawings, schematics and detail drawings as required.

- Prepare and maintain all documentation associated with specifications, standards and related equipment as per standards.
- Coordinate with Mechanical, civil, Architect Engineers, Discuss technical aspects of electrical system with Contractor towards successful completion of project.

Projects Handled:

- Ruwais Housing Complex Phase IV, GP-238, Workshop Power
- Yas Island - Zone K Residential Community - 1017 Villa at Yas Island Abu Dhabi
- Ministry of Justice and Federal Courts Complex South West 17 Khalifa A Plot No. P-8A Abu Dhabi
- Construction of Aabar Residential Tower in Shams Abu Dhabi Site RS-1 Plot No. RS-1-C12(Adm)

Feb'13 to Mar'17 with Tycoon Switchgear Manufacturing llc., Dubai, U.A.E.

Estimation and Design Engineer Role:

- Estimating and Design of low voltage switchgear products like MDB, SMDB, FDB, MCC, Capacitor, ATS and PLC Boards etc., with respect to IEC, DEWA, SEWA, ADNOC and ADDC regulations.
- Preparing detailed Bill of materials and BOQ.
- Preparing technical queries for ambiguities in drawings, specifications.
- Preparing cost variation between Tender/Job in hand drawing and approved/final drawing.
- Preparation of Compliance Statement & data sheet.
- Evaluate and review documents, specifications, scope of works and single line diagrams of the tender/job on hand.
- Attending production enquiries during the project execution.
- Interacting with Planning Department, Production Department and factory for better execution of projects with team work and targeted time.

April'11 to Dec'12 with Larsen & Toubro Ltd (L&T- Switchgear), Covai, Tamilnadu, India.

Production and Assistant QC Engineer Role:

- Prepare the production plan along with assistant manager.
- Preparation and control of appropriate documents and records.
- Preparation of daily production report and weekly inventory and rejection material report.
- Highlight production related problems to superiors and optimization of production.
- Handling Quality Control for LV Switchgear panels.
- Inspection of LV switchgears with high end numerical relays.
- Incoming Inspection for LV Switchgear Components (Quality Plan & Sampling Plan Control & Monitor).
- Training for suppliers on technical requirements on switchgear assembly and supplier performance review.
- Visiting customer places to analyze the customer complaints & understand the customer needs.
- Handled Export Customers like PDO (Oman), Petrofac, Badra, Samsung (Singapore), Polysilicon.
- Handled Domestic Customers like NTPC, RELIANCE, BHEL, EIL, JPL, TATA, ESSAR etc...

EDUCATION

- Bachelor of Engineering in **Electrical and Electronics Engineering** from Anna University of Technology Tirunelveli, Tamilnadu, India in 2011 with 78%.
- XII from St. Xavier's Higher Secondary School, Tirunelveli District, Tamil Nadu in 2007 with 78%.
- X from St. Xavier's Higher Secondary School, Tirunelveli District, Tamil Nadu in 2005 with 82%.

CERTIFICATION

- CADD certified – Auto Cad Electrical, Autodesk Revit MEP.
- CADD certified – Oracle Primavera P6 and MS – Project Software.
- Certified Automation Engineer PLC, HMI, SCADA - Delta, Schneider, Siemens, Allen-Bradly, Mitsubishi and L&T.

TRAININGS ATTENDED

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| • Low voltage switch gear maintenance | Larsen and Toubro Ltd, India. |
| • PLC, HMI, SCADA Program | Delta Automation Ltd, Dubai. |
| • VFD, Drive Programs | Emerson Solution, Dubai |

PERSONAL DETAILS

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| Date of Birth | : | 16 th April, 1989 |
| Present Address | : | Chennai, Tamilnadu, India |
| Permanent Address | : | Plot no-1, Nethaji Street, KTC – nager, Magarajanager Post, Tirunelveli District, Tamil Nadu, India– 627011 |
| Languages Known | : | English, Tamil, Hindi (working level) |
| Job Location Preference | : | GCC-(U.A.E, Qatar, Kuwait, Bahrain, SA, Oman) |
| Nationality | : | Indian |
| Marital Status | : | Single |
| No. of Dependents | : | None |
| Passport No. | : | J7693307 valid up to 28 th Aug, 2021 |
| Driving License | : | India. |

DECLARATION

I do hereby declare that the statements furnished are true and correct to the best of my knowledge

Signature

