**J. Samuel Jebaraj**

Having Bachelor degree with 21 years’ of experience in Electrical & Instrumentation Installation, Inspection ,Testing, Commissioning, Hook Up and Operation & Maintenance activities for Offshore (Brown field & Green field), Onshore Oil & Gas Projects & Power Plant sector and JTL UK certified CompEx personnel and having deep knowledge in Installation of Electrical and Instrumentation, and to assess the equipment for the hazardous area classification using EPL, ATEX and IEC60079-14&17 as an Engineer, Supervisor and Inspector

**Educational Qualification**

1. 3 Years Diploma in Electrical & Electronics Engineering, Tamilnadu,India
2. Bachelor of Science in Industrial Electronics Engg
3. Master of Business Administration in Project and Process Management from MS University

**Professional Training**

1. Internal QMS Auditor ISO 9001-2000 from LRQA Cert No: 5063NHQ0700112/05
2. Certified Comp Ex Inspector by JTL Cert Number: 56809 Valid till September 2021
3. Certified Hawke gland Installer

**Offshore Safety Training**

1. Offshore Medical Certificate No : QP-IP-MS-001-041 Valid up to: 08/05/2017
2. Offshore Survival Certificate No : 51455501091014A4407 from OPITO Valid up to: 08/08/2018
3. H2S/BA Training : 1010816A3856 Valid up to 31/07/2017

**Approval**

1. Approved BP-Azerbaijan International Operating Company E&I Inspector
2. Approved Shell Petroleum Development of Oman E&I Inspector(ATEX)
3. Approved Maersk Oil Qatar E&I Inspector(ATEX)
4. Approved Eni Saipem ATEX Inspector

**Project Summary**

* Working as a E&I Inspector / Supervisor with **Maersk Oil Qatar Offshore** for Al-Shaheen oil field in Qatar from October 2014 to Till date
* Worked as a Comp Ex Inspector with **OGRE**(Oil&Gas resources Engineer) for their Maintenance project with **Transocean drilling rigs** from December 2013 to February 2014
* Worked as a Comp Ex Inspector with **Saipem** for Kashagan Offshore Oil Field Project D island, Kazakhstan from January 2013 to April 2013
* Worked as a Comp Ex Engineer with RAY international for their maintenance project with **Petroleum Development of Oman** from April 2012 to September 2014
* Worked as an E&I Supervisor / Inspector with **Petrofac E&C** for harweel cluster phase II facility project and Kauther depletion compression **Project for Petroleum Development of Oman** from November 2006 to March 2012
* Worked as a Lead E&I Inspector with **Amec Tekfen Azfen** (Consortium) for Azerbaijan International Operating Company – **BP Exploration (Shah&Deniz)** in Azeri-Chirag-Gunashli Offshore Oil Field project in Azerbaijan from November 2004 to November 2006
* Worked as an Electrical Engineer with **Dodsal Pte Ltd** for Northern Oman Gas Project for **Occidental Of Oman Inc. Safah field**., from Oct 2003 to July 2004
* Worked as an Electrical Engineer with **Dodsal Pte Ltd** for AL-Shuweihat S1 Power and Desalination Project in Abu Dhabi for **SIEMENS**. From August 2002 to July 2003
* Worked as an Electrical Engineer with **Dodsal Pte Ltd** for DEWA Jebel Ali Power & Desalination Station “K” Project in Dubai for **Enel Power Spa**. From April 2002 to July 2002
* Worked as an Electrical Maintenance Engineer with **Southern Electric Company** for their Maintenance project with Tuticorin Port Trust from May 2000 to April 2002
* Worked as an Electrical Engineer with [**Bahwan Engineering Company**](http://www.bahwanengineering.com/) in 132/33KV Main Grid GIS substation for **Ministry of Electricity and Water -Oman** from March 2000 to May 2000
* Worked as an Electrical Engineer with [**Bahwan Engineering Company**](http://www.bahwanengineering.com/) in Oman Liquefied Natural Gas project for **Chiyoda Foster wheeler LLC** From May 1998 to March 2000
* Worked as an Electrical Engineer with **Krupp Industries India Ltd** in Surat Lignite Power Project for **GIPCL** in Nani Naroli, Gujarat India from July 1997 to May 1998
* Worked as an Electrical Engineer with **Krupp Industries India Ltd** in Tuticorin Thermal Power Project for **Tuticorin Thermal Power Station** , Tuticorin Tamilnadu India from December 1994 to May 1997
* Worked as an Site Engineer with **Jeychitra Construction Company** in Tuticorin Thermal Power Project for **Krupp Industries India Ltd** in Tuticorin Thermal Power Plant May 1994 to November 1994

**Responsibilities:**

**Inspection:**

* Review of all documents associated with Electrical and Instrument Installation including, construction drawings Inspection Test Plan, Method Statement, Procedure and Vendor Documents
* Prepare Inspection test plan and Inspection test report
* Perform inspection duties as required to verify compliance to project stipulated procedures, specifications and noted standards
* Material and equipment selection in Potentially Hazardous area in Zone0.Zone1,Zone2
* Completeness of the documentation such as Ex Registers, Ex Check Sheets and associated documentation for the entire scope
* Review of the documentation already supplied by the vendors: Ex Registers, Ex Check Sheets, Ex Certificates.
* IECEx final inspection as carry over on yard, when not completed on vendor's site
* Interface for all IECEx inspection and specification concerns.
* Incoming Material Inspection
* Periodic inspection and Witnessing of all Electrical and Instrument Activity, Review of all test result
* Inspect against IEC 60079
* Raise punch list and Non conformity report against the Procedure & standards and close out
* Review and approval of material specification system,
* Preparation and review of data sheet for Electrical and Instrumentation equipment’s
* Involving in Safety and Environmental implementation
* Coordination of resultant inspection records with Certification Clerks in the provision of data for entry to Quality Control System (QCS) [certification database]
* Ensure continuous accurate QC records maintenance by inspection personnel
* Participating FAT(Factory Acceptance Test) Cable and Transformer

**Construction:**

* Handle team of Skilled Technician/Un skilled manpower to work out jobs as per project schedule and standard specification, for timely completion Of project, in accordance with project HSE & PTW plans,
* Prepare Method statement
* Monitoring subcontractor construction activities
* Construction design review
* Project planning and scheduling
* Man and material management
* Coordinate with other discipline engineers to solve site construction issues
* Conducting safety tool box talks and auditing
* Making as built all construction drawings.
* Making recons illation of all site construction material.
* Generating work permits and required field isolations, conducting toolbox talk and risk assessment on job.
* Ensure effective corrective action on the NCRs and Site Instruction.

**Testing & Commissioning and Hook Up:**

* To follow-up the execution of Pre-commissioning and Commissioning in accordance with the procedures.
* Perform all the Electrical and Instruments testing’s
* To perform selected Commissioning activities and to ensure that the Electrical and Instrument equipment’s have reached the Achievement of Commissioning status with the associated punch list.
* To participate in the updates of commissioning reference documents, including Pre commissioning status index and the Commissioning technical database, dossiers, certification, punch list control, planning, and relevant deliverables for all Electrical and Instrument equipment and activities.
* To promote safety within the Commissioning activities and verify that safety procedures and permit to work systems are implemented with regards to Electrical and Instrument equipment and activities.
* To compile and report to the discipline Superintendent any technical change or modification for validation of as builds.
* To follow-up and mark-up the “As commissioned” drawings.
* To ensure that adequate preservation of Electrical and Instrument equipment is implemented as planned before, during and after the commissioning activities.
* To identify spares, consumables and tools required.
* To follow up/report Electrical and Instrument commissioning activities progress and punch list clearance.
* To report to Contractor Commissioning Manager highlighting areas of concerns and problems encountered in performance of his duties.
* To ensure confidentiality of all the documentation issued under his area of responsibility.

**Operation and Maintenance:**

* Knowledge of maintenance procedures
* Knowledge of systems to be maintained
* following electrical code, manuals, schematic diagrams, and other specifications
* Follow maintenance schedules as outlined
* Coordinate efforts across maintenance staff to make sure all tasks are completed in a timely
* Ability to trouble shoots any electrical and instruments on any application.
* Preventive maintenance schedule (PMS) of all electrical and instrument equipment, Accordingly update the maintenance in PMS records.
* Applying permit to work and LV&HV Isolations
* Finding out the root cause of failure & accordingly preventive measure to be taken.
* Maintain Spares on board, raise requisitions of spares/breakdown item required.
* Regularly do maintenance of all electrical and instrument test equipment on board as per their maintenance
* Carry out scheduled and routine maintenance and functional test all electrical equipment in accordance with maintenance procedures
* Diagnose wiring or equipment fault using various electrical measuring instruments, referring to wiring diagram, locate cable fault and arrange repair up to 11KV
* Dismantle electrical and instrument equipment and replace or repair parts, test Installation and reassemble marking proper internal & external connections.
* Carry out regulatory and safety devices, such as fuses, circuit breakers are properly installed, observe company fire and safety regulations.
* Keeps routine records of work completed and completes logs for maintenance work performed, make verbal or written reports.
* Able to read and interpret installation drawings, equipment manufacturer’s instructions, electrical and instrument control schematics, wiring diagrams

**Area Expertise in Installation, Inspection, Testing, Commissioning, Hook Up and Operation & Maintenance in: Oil & Gas Offshore & Onshore Plant and Power Plant Packages**

* LV & HV Drives up to 11MW
* LV&HV Switch gears up to 33KV
* LV&HV transformers up to 132/33KV
* LV&HV cables laying in UG and above ground up to (1C x 2000Sqmm)
* 33 & 132KV Switch yard
* 33KV Substation and 132KV x 7 Bay Toshiba GIS substation
* Cable straight through joints, end termination and Glanding & termination up to 132KV
* Cable tray work
* Industrial and non-industrial Lightings
* Plant Earthing systems(Electrical, IS and Non IS)
* 132KV OHL(overhead line) transmission system
* 230 and 110V AC & DC UPS(Battery &Charger and inverter)
* Variable Frequency drive
* Heat Tracing
* Cathodic Protection for Tank and Pipe Line
* Switch yard equipment’s CB’s, PT’s, CT’s and Isolators
* Main Booster Station and Block valve stations
* Cross country Pipe line
* All kind of transmitter loop check and calibration(PT,TT,PDT and FT)
* Functional test for all valves(FCV,LCV,BDV,ESDV)
* Fire and Gas System
* PA/GA system and SCADA system
* IS and Non IS cable laying, glanding and termination
* IS and Non IS Junction boxes
* Water injection, Re gas injection and Producer wells loop and functional test
* Water and Gas Injection Compressors, Solar turbines

**Additional Key Skills:**

* Participate in the clarification meetings with contractors and Vendors to ensure compliance with technical specifications & requirements
* Liaise with Completions department, Senior Certification Engineer & Construction departments
* Coordination with client /owner, Subcontractor, for materials, manpower, progress, schedule, Interface activities & planning department
* Preparing Flaws & mitigation action for Q Electrical and Instrument Integrity in FSI
* Conducting FSI(flawless start up initiative) Induction Programme
* Supplier selection and Vendor management and review, Contract negotiation
* Site management and logistics
* Conducting Internal Audit
* Provision of inspection technique and expertise to construction supervision to aid and expedite compliance with specified quality and technical requirements
* Familiarization in Guidance of Certification(GOC) & Win Pcs
* Familiarization is Shell DEP
* Familiarization is MOQ / QP standards
* Conduct training for Skilled and Unskilled technicians
* Very good knowledge in IEEE,IEC,BS
* Working knowledge in SAP system

**Personnel Bio:**

1. Date & Place of Birth 06 Sep 1976 – Tuticorin, India
2. Citizenship : India
3. Marital status : Married,
4. Passport Details: Passport no: J3761558, Issued at: Muscat, Oman, Issued On: 12-07-2010, Valid up to: 11-07-2020

 **(J. Samuel Jebaraj)**