

Devaraj Bright Singh

Mobile: +917548806779 / +919894416979

Skype : bright.joel

brightsingh73@yahoo.com

Position Applied : Senior Construction Engineer - Electrical

Availability : Immediate

Date of Birth : 7th September 1973

Languages : English, Tamil

COVID Vaccination : Fully Vaccinated - Covishield

PROFILE

- Have twenty (20+) years of Oil & Gas experience these includes Construction, Mechanical Completion and Commissioning experience in executing and supervising work in India and Overseas in all aspects of Electrical & Instrument related to Onshore/ Offshore Oil and Gas Industries and Marine industry. Have extensive experience in Erection, Installation, Pre-commissioning, Commissioning, Start-up and Operations of Gas processing platforms, Drilling rigs (Onshore/Offshore), Power distribution platforms, Refineries, FSRU, FPSO and Bulk carrier vessels.
- Have worked on HV – 115KV/33KV/11KV/415V also worked on Electrical Substation & Distribution with HT transformer, GIS Switchgear and Energization of Subsea cables.
- Have worked for Client & EPC Companies (**Total, ADNOC, Orsted, PEDCO, Technip – China/Saudi Arabia, Saipem - Italy/Dubai**, Premium Drilling USA)
- Worked 8+ years on offshore projects of Salman Gas Field Development - Iran, **Khafji crude related onshore/offshore project - Aramco**, Jack up Oil rigs Far East Offshore; Shell Exploration & Production - Brunei, Malaysia & Thailand, Russia (Caspian Driller) & Italy (Saipem FSRU) & 10+ years on onshore at Singapore & Korean ship building industry (FPSO - Petrobras, Jack up Rigs, Chemical tankers etc.), Technip France - Middle East Power distribution, Utility platforms, **Petro Chemical & Tank farm Refinery**.

QUALIFICATIONS

1995 Bachelor of Engineering (Elect. & Comm. Engineering)

Computer Skills: Ms Word, Excel, Teams, Spreadsheet, Power point, Outlook Express, Adobe

TRAININGS

- Marine Project management - Singapore
 - COMPEX course for electrical/instrument installation & inspection - Singapore
 - Marine safety supervisor course (OPITO) - Singapore
 - Offshore Sea survival, HUET, EBS & H2S - Abu Dhabi
 - L-AUS Course (EKU) Working on **HV/LV** electrical installations - Denmark
-

WORK EXPERIENCE

2014 - 2020

Senior Electrical Engineer - Construction & Pre-Commissioning

Projects: **Orsted CHW 01/02** - Fabrication of Offshore substations, Singapore Yard
ADNOC Al Nasr - Construction of Top Sides, Korea Yard/**Abu Dhabi**, Technip
Aramco - KCROP Offshore/Onshore PDP's & Refurbishment, **Saudi**, Technip
SATORP - Tank Farm Refinery & Brown field work, **Saudi**, Technip
RAPID (Petronas) - Petrochemical Refinery, **Malaysia**, Tecnimont

- Supervise and Lead the electrical discipline aspects of all erection, mechanical completion & assist commissioning & startup activities of HV/LV Power (34.5KV/4.5KV/415V) distribution in Green field new expansion and hook up of Offshore Power distribution Platforms, Integrated well head jackets, Living Quarters and Brown field works (HV/MV - Tie In's) at existing facilities of Gas power plants & Refineries.
- Review of Engineering deliverables for HV/MV cables & equipments including RAMS through Aconex, perform transfer of risk/care inspection before offloading of 66KV equipments, supervise the fabrication yard activities and upload the reports in Doreco.
- Plan, Organize & direct activities concerned with construction & mechanical completion. Resolve matters such as work procedures, complaints and construction issues.
- Supervise & inspect the assembly/installation/hook up of major electrical equipment, structures, cabling and relay/control equipment, instrumentation & telecom cabinets.
- Assign jobs to Supervisors & inform QC personnel during installation & hook up activities. Arrange necessary tools, materials & manpower required for construction & shut down activities (brown field works).
- Provide daily job site inspection of work to ensure completion is in accordance with established designs, specifications and company/industry standards and provide weekly and monthly reports.
- Ensuring all Electrical work packs/dossier (mechanical completion Check sheets as per **ICAPS & Opercom methodology** and pre-commissioning/commissioning documentation, loop folders & dossier are available from contractor.
- Allocation of tasks for the Contractors and lead the team in reviewing and completion of the punch list items prior to the Pre-commissioning and Commissioning activities.
- Get along with engineering for design issues to solve the problems arriving at site.
- Involved in review of Method Statement, JSA, Energization procedure & OTP.
- Coordinate with Opercom methodology team during the preparation and completion of ITR's - check sheets & record sheets.
- Take actions to deal with results of delays & emergencies at site.
- Supervise & Participate in all the precomm activities related with electrical – protection devices & relay testing for GIS Switchgear/MCC, megger test/hipot test for HV cables, Bus bars & HV transformers, battery charging & discharging test for UPS, no load run test for motors and illumination test for lighting systems, testing of I/O's and system integration with F&G & ESD.
- Involved in the Pre-commissioning (Static) & Dynamic commissioning activities of the electrical discipline as per the project schedule and execute the activities accordingly.
- Interface with other disciplines during the Commissioning & Startup activities. Liaise with Contractors, Vendors and Clients during the commissioning of substation which includes HV/LV switch gear with ATS scheme, HV/LV transformer, HV motors, UPS, lighting, Power distribution, Power management, Utility including Sewage treatment and Grounding/Safety systems.
- Ensure temporary supplies, test kits with valid calibration certificates and commissioning spares are readily available for energization of subsystems and systems. Identify the critical spares and are adequate for system testing & handover.
- Involved in energization (soaking) of subsea cables / HV Switchgear by adhering safety rules and following LOTO procedure.
- Participating in daily & weekly meetings within the construction team & preparing weekly status report/look ahead schedule and submit to the Construction Manager.

- Ensuring that relevant documentation is prepared and made ready for system hand over to Production & Maintenance organization and obtain the acceptance certificate.
- Participating in and assisting with the co-ordination of the Project's performance test(s).
- Ensuring that any outstanding actions for system hand over to commissioning are duly recorded and are effectively cleared as per the technical requirements.
- Liaise with Contractors and Consultants to clear the punches issued during construction, commissioning and start up as per the standards and handover to operation team.

2013

SAIPEM Italy (GPS)

Lead Electrical Engineer – Construction & Commissioning

Project : FLNG, Onshore - Dubai, Livorno Offshore - Italy

- Supervising the electrical discipline aspects of all hookup and mechanical completion activities for 6.6KV/480V distribution such as HV Transformer, HV Switchgears, MCC's, AC/DC UPS, earthing, navigational aids, lighting, HVAC, F&G, PCS, ESD, PA/GA and utility systems.
- Ensuring all Electrical work packs with SLD, schematic, equipment data sheet, cable schedule & mechanical completion Check sheets documentation is available from Subcontractor in accordance with project requirements.
- Follow IEC standard & do upgradation of control plans and procedures and evaluate the qualification of the construction personnel.
- Supervise all the installation/inspection as per ITP for power (HV/LV), distribution, MCC's, UPS, lighting, navigation, telecommunication/network systems and monitor loop checks & calibration of instruments for F&G, DCS, ESD systems.
- Get along with engineering to solve the issues arriving at site. Walk-down the plant and prepare system punch lists. Monitor and agree close-out of action points and NCR's.
- Adhere with safety rules. Conduct tool box talk & apply lock out/tag out to perform isolation and work permit to start any electrical activity at site.
- Supervise the precomm activities in order to achieve mechanical completion including testing of protection relays & devices, Hipot test for HV cables & Switchgear & transformers, load run test of motors, autonomy test for UPS and illumination of lighting system and small power distribution panels.
- Liaise with Sub-Contractor, Vendor and Clients during the construction, pre-commissioning and commissioning stages to achieve RFC certificate and smooth handover of systems. Follow permit to work systems with relevant safety procedures. Train the contractors to perform job safety analysis.

2009 - 2012

SPIE Oil & Gas LLC, France

Electrical Consultant - Construction & Commissioning

Projects: Salman Offshore Platforms (Production, Gas lift & Well Head Platforms)

Client : TOTAL - PEDCO Salman Gas field development, Iran Offshore

- Supervise the electrical/instrument discipline aspects of all installation, inspections, mechanical completion, commissioning & startup activities of HV/LV Power generation (33/11KV/400V) & distribution (115KV), Glycol packages, Gas lift compressors in new expansion and hook up of Offshore Oil & Gas Production & treatment Platforms, **Living Quarters** Platforms at Salman & Dalan complex.
- Participate in the preparation of all offshore construction & commissioning activities related to the Electrical discipline in cooperation with contractors and vendors. This includes preparation of commissioning procedures; Check & Record sheets and detailed commissioning schedules using ICAPS.
- Ensuring necessary HSE reviews are undertaken and identified actions completed. Monitor lockout & tag out procedure was followed by appointing trained personnel in the switchgear.
- Coordinating and supervising the team executing the discipline work activities and assisting with relevant technical support as required, including mentoring and on the job training of junior personnel.
- Participating in daily & weekly meetings within the commissioning team & preparing weekly status report to the nominated commissioning system engineers.
- Supervises commissioning services contractor's personnel and vendors representatives.
- Ensuring that relevant documentation is prepared and made ready for system hand over thereby checking the check sheets and record sheets to Production & Maintenance organization.
- Contributing to Commissioning support for Start-up using the ICAPS methodology.
- Participating in and assisting with the co-ordination of the Project's performance test(s).
- Contributing to the Commissioning Group's improvement process and close-out report.
- Ensuring that any outstanding actions for system hand over to commissioning are duly recorded and are effectively cleared as per the technical requirements.
- Liaise with Contractors and Consultants to clear the punches issued during construction, commissioning and start up as per the standards and handover to operation team.

2006 - 2009

Premium Drilling, Texas, USA

Electrical Engineer

Projects : DD2 - Shell (Brunei) Jack up Oil rig
 : DD3 - Petronas (Malaysia) Jack up Oil rig
 : Rig Upgrade - Refurbishment (Singapore)

- Carry out refurbishment – Reinstallation, Erection, Upgradation of power systems including Testing & Commissioning activities of drilling equipment.
- Carry out execution of electrical commissioning activities on the LV/MV MCC/SWGR Power Management System and related equipment viz. (Protective relays)
- Perform preventive maintenance activities on electrical systems involved in rig (onshore/offshore).
- Attend break downs/system malfunctioning of 690 Volt Power generation & distribution (480/230/110v), Switch gears/MCC's, VFD's, drilling equipment includes National Oil well Mud pumps, Drawworks & Top drive, HVAC and Utility systems.
- Do inspection for third party equipment. Hookup cables and other electrical related issues of Client and report to Maintenance Supervisor/OIM
- Sourcing of critical spares required for normal operation of the rig.
- Update AMOS system (PMS) and work accordingly.

2004 - 2006

Sembcorp Marine Ltd., - Singapore

Electrical Engineer – Construction

Projects: Oilrig construction of Deep Driller1, Wilpower, Soehanah (PPL shipyard)

Client : Apexindo/Awilco and Kristiansand Drilling

- Supervise & inspect the assembly/installation/hook up of all electrical equipment, structures, cabling and relay/control equipment, instrumentation & telecom cabinets (EICT).
- Review of ITP and installation procedures and risk analysis involved.
- Ensuring that any outstanding actions for system hand over to commissioning are duly recorded and are effectively cleared as per the technical requirements.
- Inspect and performed factory acceptance test for switchboards/MCC, UPS, and marine industrial equipments.
- Coordinate witness and perform trial run tests of Marine/Drilling systems during construction of Cargo vessels and Oil rigs at shipyard.
- Perform hipot test for HV switchgears and verify the protection device parameters of starter.
- Involved in Inspection and pre-commissioning of: Power Generation and Distribution systems; HVAC systems, UPS & Lighting systems; Fire/Gas system, Public Address system; & ESD and Utility systems.

2002 - 2004

Singtex Marine Engineering Pte Ltd – Singapore

Electrical Engineer - Construction

Projects: Commissioning of Global Constellation I & II Jack up Oil Rig & FPSO - P40

Client : Global Santa Fe – USA, Petrobras - Brazil

- Lead a team for installation of cable trays, MCT' and power control & IS cables. Perform calibration, loop checking and pre-commissioning of power and instrument systems involved during the construction of vessels.
- Attend FAT's and check the performance of the system as per IEEE/IEC standard.
- Attend jacking trial test and assist commissioning of the utility and HVAC systems.
- Coordinate with clients and certifying agencies for daily inspection activities.
- Test the I/O points for vessel monitoring systems.

1998 - 2002

Jurong Machinery & Automation Ltd – Singapore

E&I Engineer - Construction

Client : Jurong Shipyard (Construction of Container / Tanker Vessels)

- Supervise all construction related activities including man power arrangement & assignment.
- Coordinating and supervising the team executing the discipline work activities and assisting with relevant technical support as required, including mentoring and On the job training
- Participating in and assisting with the co-ordination of the Project's VSCC meetings.
- Assist vendor during commissioning of generators, MCC, UPS, F&G, PAGA and Utilities
- Implement all activities in accordance with company safety procedures and manufacturer's recommendations in hazardous and non- hazardous area classification.

1995 - 1998

Opal Digital Scales – India

Installation/Service Engineer

- Perform erection and servicing of Electronic Weigh Bridge.
- Perform trouble shooting and maintenance of UPS and Burglar Alarms.
- Calibrate and troubleshooting of Electronic weighing scales.

Personal Particulars

Passport Number	:	P1798528
Date of Birth/Age	:	07/09/1973 & 46 years
Education	:	Bachelor of Engineering - 1995
Profession	:	Electrical Engineer - Construction & Commissioning
Total Experience	:	20+ Years
Oil/Gas Experience	:	17+ Years
Lead/Superintendent role	:	8+ Years
Current location	:	Tirunelveli, India