

# RAJA PAULRAJ

## Electrical Engineer| Facility Maintenance|

harpaa91@gmail.com | +91-9284070199|

- Certified Electrical Supervisor "C"
- License: C33282 Issued BY Electrical License Board in Tamil Nadu, India.

### PROFESSIONAL SUMMARY

Exceptionally dependable and well-trained Electrical Supervisor with expertise is complete Facility Engineer offers 10 years of experience and a variety of system specializations in facilities management. Adept at handling multiple projects simultaneously whether working independently or as part of a team. Conscientious and mindful of all local state and federal safety standards. Demonstrates superior skills in leading Electrical Maintenance Departments and carrying out project management activities that's inclusive of Corrective Maintenance, Trouble shooting and shutdown maintenance activities.

Superior skills in handling HMI / DMC, HV / MV, MV / LV Transformers, Switchgears, Diesel Generators, HV/MV/LV Motors & associated switchgears/ starters, PCC & MCC Panels, UPS/Battery chargers, Batteries, Lighting system, Plant Earthing system and HVAC systems in Oil & Gas.

Adept in reporting and documentation process and procedures which include preparing documentation related to job Work Permits, Work Orders, PM Schedule, PM Procedures, Scope of works, Maintenance Reports, Incident reports, Risk assessment, Bill of material, Material request to name a few.

### SPECIALITIES

- In-depth knowledge of medium voltage distribution and low voltage
- Familiarity with electrical codes and predictive technologies
- Solid project management and communication skills
- Strong organizational and planning skills
- Excellent trouble shooting skills
- Skilled in using electrical schematics and test instruments
- Outstanding ability to read and update electrical schematics

### ACADEMICS

- 2017: Diploma in Electrical Engineering - Himalayan University
- 2005: Electrical supervisor competency - Directorate of Technical Education Tanning
- 1999: ITI Electrician NCVT

### LICENSE:

## WORK EXPERIENCE

Oman Shapoorji Company – Oman  
Electrical Supervisor Maintenance  
May 2017 to July 2018

• Kharafi National – Abu Dhabi  
Electrical Supervisor  
Mar 2015 to Oct 2016

• Chennai Petroleum Corporation Ltd –  
Chennai  
Electrical Supervisor  
Jul 2013 to Mar 2015

• Kharafi National – Kuwait  
Electrical Foreman  
May 2010 to Jun 2013

• Prime Engineering Qatar  
Electrical Foreman  
Apr 2009 To Jul 2009

• Amplex Emirates- Abu Dhabi  
Electrical Foreman  
Jul 2007 to Mar 2009

## MANAGEMENT SKILLS

## EQUIPMENTS HANDLED

- Megger tester (up to 5kv Dc)
- AVO Meter
- HV Testing set 40kv input
- voltage 240v AC, DC-12V
- DLRO Tester
- BDV Tester, battery capacity tester
- HV Tester 11kv Visual
- Audible Earth Tester,
- Hydrometer

## CERTIFICATIONS

- HSE Induction
- Job Hazard Analysis
- Supervising Safety
- First Aid
- Loto Scaffolding

- Develop Statements of Work and request for Proposal documentation.
- Provide engineering review/over-site to facility upgrades/construction projects.

## **SCOPE OF WORK ACROSS MY TENURE**

### **FACILITY ELECTRICAL SUPERVISION**

- Ensure smooth functioning of Electrical, HVAC, Plumbing and Integrated Building Management (IBMS) system.
- Installation, setting to work, testing and trials and commissioning of new machineries/equipment with Project.
- Prepare Daily, Weekly and Monthly action plan of Maintenance and Housekeeping Dept.
- Maintain all checklists of Technical and Soft services.
- Making snag list of equipment's and send to project/Vendor for rectification.
- Arranging the AMC vendors and co-ordinate with them.
- Operation & Maintenance of, AHU, FCU, Air Ventilation, Exhaust system & Ring Main unit (RMU) Electrical system includes Transformers (2000KVA X 2nos.), HT/LT Switchgears, Circuit Breakers, Distribution Panels, MCC & PCC Panels, Human machine interface (HMI) op 17, Digital Master control panel (DMC) Automatic Mains Failure Panels (AMF), Automatic Power Factor Control Panel (APFC) & VFD, Diesel Generator Set 4000KVA\*2Nos, 2250K\*3Nos. Water Treatment Plant, Fire Detection & Fire Fighting System & STP Plant, Lighting Automation system.
- Coordinate all scheduled maintenance with impacted personnel.
- Plan on downtime for preventive maintenance.
- Schedule downtime when necessary for emergency repairs.
- Prepare weekly status reports regarding all on going projects
- Coordinate special projects with stakeholders and vendors to ensure building compliance.

### **MANGERIAL RESPONSIBILITIES**

- Reviewing, coordinate and approve outage request.
- Support troubleshooting / repair of control and power systems and Control circuits, Building Management Systems, Substations, Overhead cranes and vertical doors
- Conduct planning activities to collect project requirements.
- Gather and review data concerning facility or equipment specifications, company or government restrictions, required completion date, and construction feasibility.
- Develop executable solutions to satisfy project requirements.
- Coordinate with Architect and Engineering firms to develop design criteria, prepare layouts, and develop detailed engineering drawings.
- Review and estimate project costs. Manage project design and execution to project budget.

PROJECTS EXECUTED

SINCE 2017

**Client** MEDC  
**Project** Barka Sultan Palace  
**Scope** Facility Maintenance of Distribution S/S and  
synchronization system, RMU, 11kv DG Set, HV, LV, Internal  
and External Electrification, Kitchen Equipment,

Father Name: Paul raj  
Date Of Birth: 9<sup>th</sup> April 1982  
Sex: Male  
Marital Status: Married  
Religion: Catholic Christian  
Language: Tamil, English, Hindi, Malayalam, Telgu, Arabic  
Passport No: Z2657221  
Pass Port Expiry: 14-01-2024

2015 - 2016

**Client** AMMROC  
**Project** Facility Maintenance - Multiple Sites  
**Scope** MEP Facility Maintenance of LV, MV, BMS Panel, DB's, HVAC Panels And Package Unit, Split AC Units

2013 - 2015

**Client** CPCL FACILITY  
**Project** Facility Maintenance - Multiple Sites  
**Scope** Motors, Transformers, Switchgear, LV Panel, Lighting, Power DB.

2010 - 2013

**Client** MEW  
**Project** Facility, O&M, RMG S/S Maintenances  
**Scope** Periodical / Preventive Maintenance of RMG Substation  
11kv/415v, TR, OCB / VCB, Battery, Testing and Commissioning

2009

**Client** GCC  
**Project** Shutdown  
**Scope** BMS Panel Termination and CBS System Installations

2007 - 2009

**Client** ADCB  
**Project** Maintenance - Multiple Sites  
**Scope** Street Light Maintenance, AMR, PLC

PERSONAL DETAILS