

## **POSITION: ELECTRICIAN (SR.)**

### **BASIC FUNCTION OF POSITION**

Under the supervision of the Team Foreman as assigned, the duties of this position includes serving in the leading role in the repair and maintenance tasks within the capabilities of the Facility Management that support the efficient and safe operation of the Electrical Systems and the Emergency Power Generating Systems contained sophisticated Relay logic Controls and Programmable Logic Controllers (PLC) systems in the New Embassy, Government owned Houses and Leased Houses. Work is primarily electrical in nature but may include some instrumentation, automated control and mechanical duties. Work assignments include leading all level preventative and predictive maintenances, performance testing of electrical equipment and systems.

Establishes and maintains "Standard/Safe Operating Procedure", SOP, for all electrical equipment and systems. Updates blueprints/electrical drawings to every changes and modifications in Electrical Systems at post.

### **MAJOR DUTIES AND RESPONSIBILITIES**

1. Performs the most advanced level troubleshooting and corrective maintenance on electrical equipment and systems such as electrical components of emergency power generators, generator synchronizing system, large automatic voltage stabilizers (AVS), programmable logic controllers (PLC), UST monitoring and fuel pump controllers used in the New Embassy Compound, Government owned houses and Leased houses..20%
2. Performs all level preventative and predictive maintenance activities on electrical equipment and systems used in the New Embassy Compound, Government owned houses and leased houses....20%
3. Performs root cause analysis on repetitive and catastrophic electrical equipment and system failures...10%
4. Updates blueprints to every changes and modifications in Electrical System located in New Embassy, Government owned Houses and Leased Houses at post. Maintains blueprints including Single-line drawing, detail drawing and technical drawing of the Electrical Distribution System and Emergency Power Generating System for the New Embassy Compound and all houses....20%
5. Establishes and maintains "Standard/Safe Operating Procedure", SOP, for all electrical equipment and systems. Also establishes and maintains "Standard/Safe Operating Procedure", SOP, for appliances and tools...10%

6. Establishes and monitors spare parts requirements for the above systems. Maintains and update technical library for each system to contain repair and maintenance manuals and spare parts listings. Maintains and updates historical records of thermography, insulation tests, vibration tests and other condition monitor results. Prepares requests for repair spare parts...10%

7. Performs other assigned duties... 10%