



**CENTRAL WATER AUTHORITY  
ST. PAUL – MAURITIUS**

**JOB SPECIFICATION**

**POST** EXECUTIVE ENGINEER/ SENIOR EXECUTIVE ENGINEER (ELECTRICAL)

**SALARY** Rs 33175 x 825 – 35650 x 900 – 37450 x 950 – 42200 x 1300 – 46100 x 1575 – 49250 x 1650 – 54200 x 1700 – 64400 x 1800 – 69800 (CWA 60 – PRB 2021)

**QUALIFICATIONS** Candidates should:

- (i) be holders of a degree in Electrical Engineering from any University, College or Institution recognized by the Council of Professional Engineers of Mauritius as qualifying for registration under ordinance no. 49 of 1965, as subsequently amended;
- (ii) be registered as Professional Engineers in Mauritius;
- (iii) preference will be given to candidates with at least two years practical experience in Electrical Engineering Works.

**Note**

**Membership of Institution of Electrical Engineer (UK) will be an advantage.**

**OBJECTIVES**

- 1 Responsible for the maintenance of all electrical plant and the provision of specialist technical expertise.
- 2 Collation of information on asset condition and maintenance performance and the determination of the asset replacement programme requirements and engineering these aspects

**DUTIES**

- 1 Contract supervision of any electrical plant if under a maintenance agreement.
- 2 Implement and enforce safety into all electrical installation work. (It is suggested the 15<sup>th</sup> Edition of IEE regulation be the standards to which to operate).
- 3 Capable of specifying and letting of maintenance contracts (i.e for rewiring premises or refurbishment of portable generator sets).
- 4 Coordinate with the P&D Section on new installations to ensure required spares and training for ongoing operation are provided for.

- 5 Must have firsthand knowledge of the following: -  
  
Motor maintenance, rewinds, protection equipment (i.e over current relays, thermal devices, alternators up to 300KVA, autotransformer starters, battery charges, portable generators, power factor correction equipment.
- 6 A knowledge of the following would be desirable. Programmable Logic Controllers, general electronic monitoring, installation and control, automation equipment and telemetry systems.
- 7 Identify problems areas and plant deficiencies and evaluate remedial action.
- 8 Essential to be able to supervise and organize workforce. Deal with day to day disciplinary and organizational matters.
- 9 Responsible for updating modification to diagrams for library update.
- 10 Responsible with other Executive Engineers for maintaining a plant library.
- 11 To perform other duties directly related to the main duties listed above or related to the delivery of the output and results expected from incumbents in the roles ascribed to them according to their postings.

**APPROVED BY CWB ON 19 MARCH 1997 AND BY MINISTRY OF LOCAL GOVERNMENT & PUBLIC UTILITIES ON 14 MARCH 1997.**