



**DEMERARA HARBOUR BRIDGE CORPORATION
NON-MANAGEMENT JOB DESCRIPTION**

JOB TITLE:	SENIOR INDUSTRIAL ELECTRICIAN	LOCATION:	ASPHALT PLANT
REPORTS TO:	SITE SUPERVISOR	GRADE:	
DEPARTMENT:	PLANT OPERATIONS	SECTION:	ELECTRICAL
SUMMARY STATEMENT	Responsible for industrial troubleshooting, assembling, installing, testing and maintaining all electrical equipment and components of the Asphalt Plant.		
DUTIES REQUIRED	DESCRIPTION OF DUTIES:		
	ABILITY to assemble, install, test and maintain electrical or electronic wiring equipment, appliances, fixtures and apparatus.		
	INSTALL, MAINTAINS and TROUBLESHOOT distribution and control equipment such as switches, relays, circuit breakers and fuse disconnect.		
	PERFORMS high voltage switching and operate generator and various power tools in support of Asphalt Plant operations		
	PERFORMS regular preventative maintenance to AC and DC motors, control circuit, electronic circuit, lighting systems, power generation and mobile plant.		
	CHECKS and SERVICES vehicles. REPLACES battery periodically.		
	TESTS and CALIBRATES electrical/electronic systems to ensure that they are operating properly and locate defects.		
	INTERPRET blueprints, schematics, and other electrical documentation. Work with blueprints, schematics manuals and other specifications to determine safe and effective electrical/electronic installation procedures.		
	INSPECTS equipment, structures and material. Complete schedule checks of all electrical equipment and systems in order to detect any malfunctioning and unsafe conditions throughout the Asphalt Plant.		
	REPAIR and MAINTAIN electrical and electronic equipment. Service, repair, calibrate, regulate, fine tune and test machines, devices, electrical systems, conductors and all other auxiliary equipment.		
DOCUMENTS procedures, work instructions and work orders. MAINTAINS records of repair, calibrations and testing conducted.			
REPORTS all electrical problems and safety concerns to Supervisor.			
FOLLOWS safety policies, procedures and rules.			
<p>The above responsibility statements identify specific duties necessary to attain DHBC's overall objectives while not precluding the job holder from carrying out other related activities that may be inherent in the job.</p>			

QUALIFICATIONS PROFILE

JOB TITLE: SENIOR INDUSTRIAL ELECTRICIAN		
FACTORS		SUBSTANTIATING DATA
1	EDUCATION	Certification below the level of University First Degree, obtained at Training School or similar institution, including Diploma in Electrical or Industrial Engineering, or Mechatronics Engineering or other appropriate area. Ability to operate in a digital environment.
2	EXPERIENCE/JOB KNOWLEDGE	Ability to set up standard test apparatus, test equipment and circuitry to conduct functional, operational, environmental, and life tests to evaluate performance and reliability of equipment. Demonstrated ability to perform a wide range of assignments and resolve a wide range of problems.
3	TECHNICAL/ PROFESSIONAL	The Incumbent requires advance skills and expertise to read and interpret diagrams and consult sources to obtain information on characteristics of electrical equipment and to troubleshoot irregularities by testing units and components; looks for problems in complicated electrical grids, isolate the issue and solve it.
4	PROBLEM SOLVING /DECISION MAKING	The Incumbent's decisions are related to the specific operational procedures, processes and activities necessary to satisfy the achievement of targets set, and quality standards. Must be able to identify issues and make corrective measures to fix problems with electrical components.
5	INTERPERSONAL	Contacts are with employees in Departments/ Sections. Contacts outside of the Asphalt Plant may deal with routine queries or exchanges of information.
6	RESPONSIBILITY FOR MATERIALS, CASH, ETC	Responsible for installing, maintaining and repairing of electrical wiring, equipment, control systems and fixtures at the Asphalt Plant.
7	PROCEDURES/ REGULATIONS/ COMPLIANCE	Specific detailed instructions with respect to labour and assembly procedures are provided by the Electrical Engineer.
8	TEAMWORK	The Manager/Supervisor makes specific assignments that are accompanied by clear, detailed and specific instructions. The employees work as instructed. The Manager/Supervisor checks progress and reviews completed work for accuracy, adequacy, adherence to instructions and established procedures.
9	WORKING ENVIRONMENT/ SAFETY OF OTHERS	The Incumbent can be found working inside and outside with exposure to hazardous conditions, equipment and situations which require special safety precautions. Employee must wear safety attire often such as goggles and protective clothing or gear. Works with wires, using hand tools and handling small components requiring manual dexterity. Works with electricity that could potentially produce cuts or burns. Need to get into awkward positions when working in cramped work places.