

Annual Inspection and repair of electrical installation for hazardous/flammable areas for a period of 3-years

Transnet

Technical Specification

SPECIFICATION: Annual Inspection and repair of electrical installation in hazardous/flammable areas for a period of 3-years

1. LOCATION OF WORKS

- The works will be in the Port of East London in various buildings.
- The area is access controlled, and all security and safety protocols must be adhered to.

2. SCOPE OF WORK AND REQUIREMENTS

2.1 SCOPE

The *Contractor* will have to conduct the following work for a period of three (3) years:

- Inspect the electrical installations in flammable/hazardous areas that are indicated below:
 - ✓ EMD store
 - ✓ Drydock, next to Manhattan building
 - ✓ MHA
 - ✓ Tanker Berth
- Compile and submit report of all the findings gathered.
- Conduct the repairs where required in order to comply with SANS 10142-1. The repairs to be discussed and agreed with TNPA electrical department before the *Contractor* may proceed with the process of repairs.
- Supply Transnet National Ports Authority Electrical with a Certificate of Compliance in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) that requires that all electrical installations shall comply with the requirements of SANS 10142-1. It also requires that an accredited person as defined (master installation electrician) shall issue a Certificate of Compliance for an electrical installation.

2.2 REQUIREMENTS

- The *Contractor* shall carry out a comprehensive test in terms of SANS 10142-1 to ensure the basic safety considerations and electrical compliance of all electrical installations regarding the protection of people, property and the proper functioning of the electrical installations and with compliance to SANS 10086-3, inspection and maintenance of equipment used in explosive atmospheres.
- The *Contractor* shall provide and test the locations' earth thoroughly in terms of SANS 10142-1.
- The *Contractor* shall allow for repairing/clearing of electrical wiring faults and the replacement of equipment in the tender pricing to obtain the Certificate of Compliance.
- The *Contractor* shall ensure that the distribution boards (DB) are clearly designated or labelled.
- The *Contractor* shall include the following pricing in the tender document:
 - ✓ Certificate of Compliance.
 - ✓ Equipment to be replaced (i.e., Plugs, Earth leakage Protection Unit, lighting etc.)
- The works to be conducted in yearly interval for a period of three (3) years.
- All remedial work regarding the closing of holes and making right any areas affected by the works will be done by the *Contractor* and approved by the Civil Supervisor before sign-off for the works.

3. SAFETY

The successful *Contractor* shall:

- Comply fully with Occupational Health and Safety Act 85 of 1993.
- Provide a comprehensive health and safety plan detailing his proposed compliance with the regulations. The Health and Safety Management Plan must provide a systematic method of managing hazards and implementing control measures.
- Prepare and submit the Safety file to the *Project Manager* for acceptance. The Safety file will then be submitted to the TNPA SHEQ Department for approval before start of the works.
- The *Contractor* shall always be responsible for full compliance with the approved plan.
- Always keep a safety file during execution of the work.
- Needs to undergo TNPA SHE induction training before the commencement of the work.
- Keep a site diary and instruction book.

4. ENVIRONMENTAL RESPONSIBILITY.

The *Contractor* shall:

- Separate hazardous or non-hazardous waste and where practical, waste for recycling prior to disposing thereof.
- Minimize the amount of waste generated or released, whether it is hazardous or non-hazardous waste, as far as possible to reduce the impact on the Environment.

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- Dispose all waste generated, albeit hazardous or non-hazardous waste in a responsible manner and submit proof of all disposal documents to the *Project Manager*.