
Part C3: Service Information

Part C 3.1

Service Information by the *Employer*

**INSPECT, TEST AND REPORT FOR ELECTRICAL DB FOR FUEL DEPOTS WITHIN EASTERN,
WESTERN AND CENTRAL REGION.**

1. SCOPE

This specification provides the requirements of Transnet Freight Rail for the rendering of Inspection, testing and reporting on Electrical DB within Fuel Depots.

- 1.1 Inspect, test and perform fault finding on Electrical DB from Supply up to decanting/refuelling pumps and motors.
- 1.2 Ensure that the DB is able to supply safe and sufficient power to the pumps and motors for decanting and refuelling purposes.
- 1.3 Issue comprehensive technical report with recommendations and Equipment specifications required for repairs and for Certificate of Compliance.

2. EQUIPMENT DESCRIPTION

- 2.1 The various Electrical Distribution boxes that supply power to the Refuelling and Decanting pump for diesel refuelling of locomotives.
- 2.2 Most of the Electrical DBs are the Old (steel hard cover) that uses bolts to lock the panel around.
- 2.3 The contract will provide for the following services:
 - 2.3.1 Inspection and Testing of all wires, controls switches and protection switches within the panel
 - 2.3.2 Report and recommend equipment required for DB compliance.

3. REFERENCES

- 3.1 Occupational Health and Safety Act, Act 85 of 1993 and Regulations
- 3.2 Construction Regulations
- 3.3 Electrical Installation Regulations
- 3.4 Electrical Machinery Regulations
- 3.5 SANS 10142: The wiring of premises Part 1: Low Voltage Installations
- 3.6 Electrical Engineering Instructions

4. METHOD OF TENDERING

- 4.1 The following tender requirements shall be read in conjunction with the specification and tenders shall be submitted in accordance herewith.
- 4.2 Tenderers shall submit a main offer, complete in every respect and fully in compliance with the specification, in duplicate. This shall include a clause by clause statement of compliance indicating clause by clause, either that their offer complies in every respect with the specification, or, if not, precisely how it differs.
- 4.3 A broad statement to the effect that the equipment is in accordance with the specification is not acceptable.
- 4.4 If in the tenderers opinion justification exists for the submission of one or more alternative offers, such offers shall, as in the case of the main offer, be complete in every respect including a statement of compliance. Any alternative offer shall be clearly distinguishable from the main offer and stand on its own.

- 4.5 Offers, which include deviations of a minor nature, not departing greatly from the specification, will be considered at Transnet Freight Rail's discretion. The necessity for such deviation shall be clearly motivated in detail by the tenderer.
- 4.6 Any optional extras recommended by the tenderer shall be quoted for separately.
- 4.7 The onus to prove compliance of the equipment offered against any clause shall rest solely with the tenderer should he be awarded the contract.
- 4.8 Should tenderers wish to elaborate on their reply to a clause, a reference to page and paragraph of a covering letter shall be given next to the clause concerned, in addition to the statement of compliance.
- 4.9 A tenderer's statement of compliance shall overrule any conflicting documentation submitted.
- 4.10 Tenderers are responsible for the accuracy of their statement of compliance.
- 4.11 The successful tenderer will be responsible for all costs incurred in modifying or replacing equipment accepted by Transnet Freight Rail on the grounds of the tenderers statement of compliance with the specification and found by Transnet Freight Rail not to comply.
- 4.12 In the event of discrepancies between Transnet Freight Rail's specification and any publication referred to, the specification shall take precedence.
- 4.13 In the event of discrepancies between Transnet Freight Rail's specification and any drawings referred to, the drawings shall take precedence.

5. DETAILED SCOPE OF WORK

- 5.1 Inspect and Test all DB Components for functionality and Compliance (control switches, protection switches, wires etc)
- 5.2 Report about the Condition/status of each Component.
- 5.3 Recommend equipment required for repairs and Compliance.

6. STANDARD OF WORK, EQUIPMENT AND. MATERIALS

- 6.1 All work shall be carried out in a neat and orderly manner to the satisfaction of Transnet Freight Rail. Electrical work shall conform to the requirements of SANS 10142-1&2 and those stipulated in this specification.
- 6.2 Equipment and materials used shall be of high quality design and manufacture, and shall comply with the relevant National standards incorporated in SANS 10142-1&2.
- 6.3 All equipment shall be SABS approved.
- 6.4 The Contractor must not isolate any Electrical Installation without the presence of a Transnet Electrician
- 6.5 In addition the Contractor must report all accidents in writing to the Technical Officer. Any accident resulting in the death or injury to any person on the Works must be reported within 24 hours of its occurrence, and any other accident must be reported within 48 hours of its occurrence.
- 6.6 All work must be carried out between the hours of 07H00 and 16H00, Monday to Friday, unless otherwise approved, in writing, by the Technical Manager

7. SUPERVISION

- 7.1 The *Contractor* shall ensure that work is carried out by suitably qualified and experienced staff and a valid Certificate of Compliance shall be provided for the work.
- 7.2 Documentary proof of registration for work shall be submitted with tender documentation.

8. GUARANTEE

- 8.1 The Appointed Contractor to ensure that the submitted report is detailed and contacts included for further Clarity and Explanation that may be required.

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