

WRAC/KBC/40381 (TFR/2023/05/0007/30145)

FOR THE SUPPLY AND DELIVERY OF CHARGER AND INVERTER SPARES TO UPINGTON

ANNEXURE A

PLEASE SEE ATTACHED FULL SPECIFICATIONS



RAIL NETWORK TECHNICAL TRAIN AUTHORISATION SYSTEMS

TENDER SPECIFICATION

SALDANHA DEPOT (Infra SIGNALS) Supply and delivery of Charger and Inverter Spares

Author: Engineering technician Moloantoa Leoli

Approved: Maintenance Manager Tiaan Rossouw

Date: 18 October 2022

Circulation Restricted To:

Transnet Freight Rail –Rail network
Approved third parties

© This document as a whole is protected by copyright. The information herein is the sole property of Transnet Ltd. It may not be used, disclosed or reproduced in part or in whole in any manner whatsoever, except with the written permission of and in a manner permitted by the proprietors.



Contents

1.Scope.....	3
2. Background.....	3
7. Pictures.....	4-8



Scope

This specification outlines the requirements of Supply and delivery of charger/inverter spares for power equipment (Train Authorization Systems) at Iron Ore Line.

Bidder is requested to read this specification and related documents as highlighted in the specification.

2. Environmental Department and Environmental Assessments:

2.1 No Environmental effects

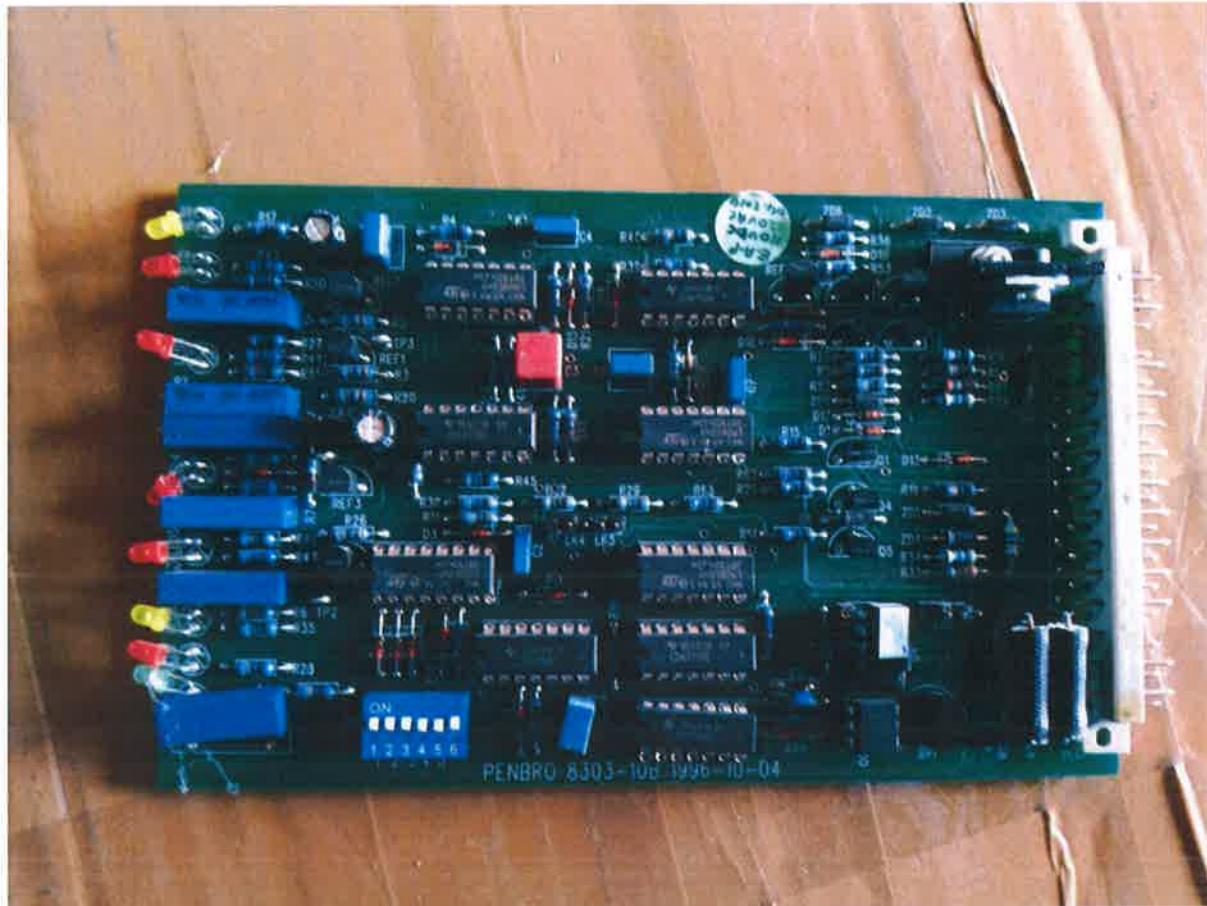
3. Requirements

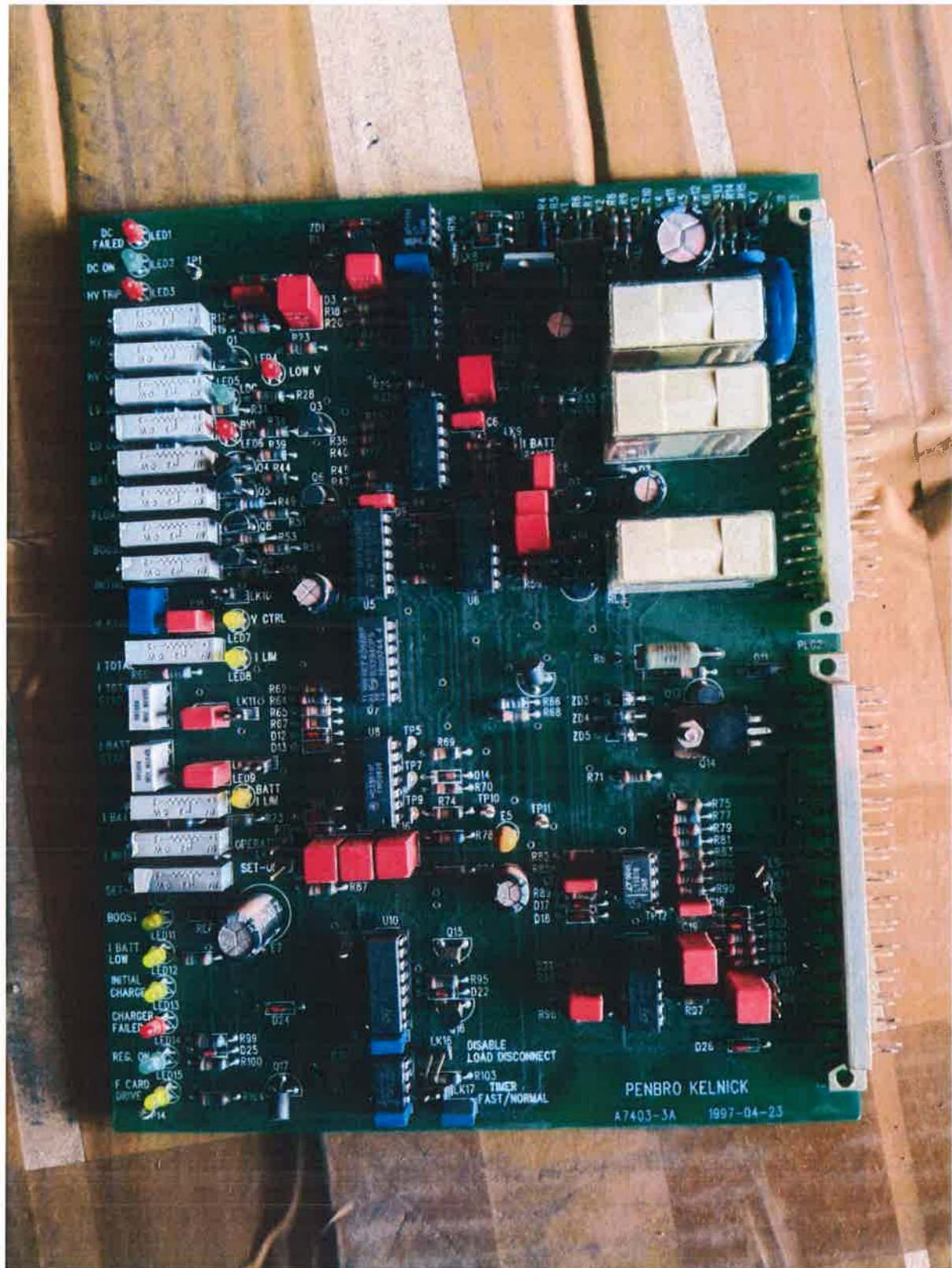
3.1 Bidders should supply the same type of material indicate and any alternative material will disqualify the bidder.

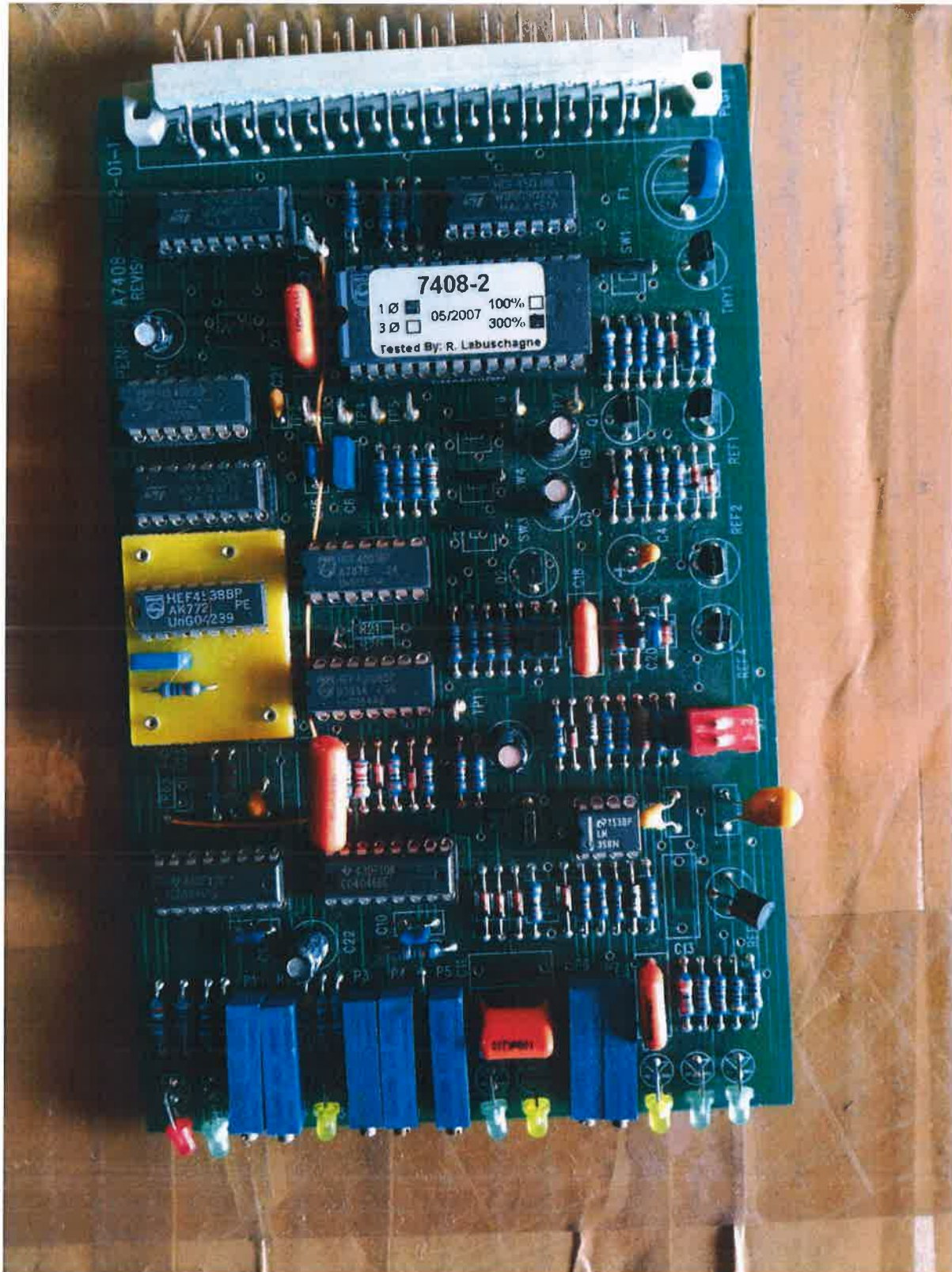
4. Background

- The Ore Corridor Saldanha/Upington is equipped with charger/inverter to power the points machine power with 110 DC voltage.
- Charger: is charging 55 batteries cells at 2v dc, 700ah or 100AH which will maintain 110 DCV 24 hours a day and last for 8 hours during power failure.
- Type: **2426-37C**
- Inverter: it will invert 220 AC to 110 DCV to power the points.
- Type: **3302-43**
- Rectifier: is charging 55 batteries cells at 2v dc, 100AH.
- Type: **2420-124 108V, 15A**

5. Pictures





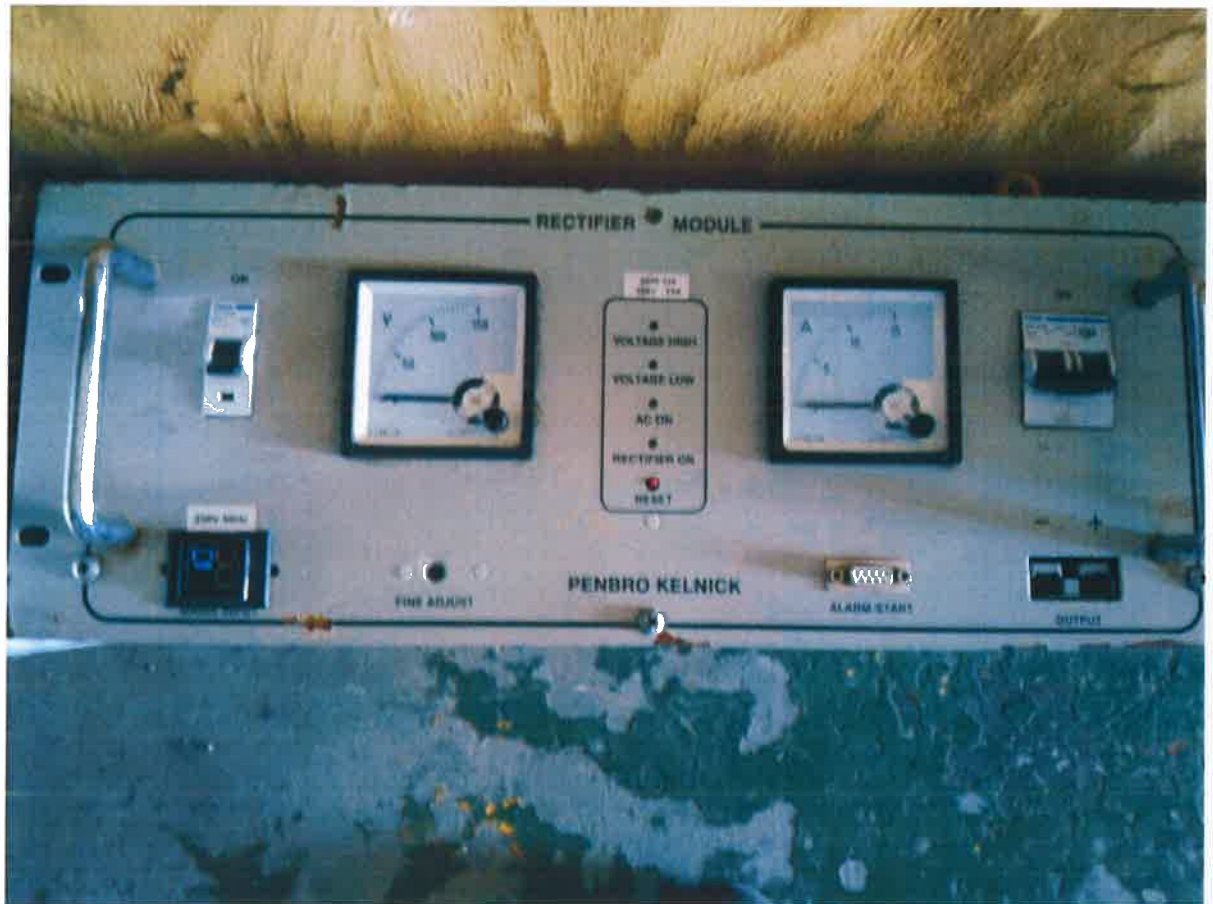


TRANSNET



freight rail





END OF SPECIFICATION