

**Annexure 2.2:**  
**Particular Technical Requirements**  
**KwaZulu-Natal**

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## **1 GENERAL**

### **1.1 Purpose of the Document**

- 1.1.1 The purpose of this document is to provide the Commercial and Financial Requirements (“CFR”) which form part of the minimum Requirements of the Passenger Rail Agency of South Africa (“PRASA”) for the planning, design, supply, construction, installation, testing, commissioning and maintenance of a new fully integrated, functional, complete and future-proofed PRASA Electronic Authorisation System (“EAS”) in PRASA’s Gauteng (“GP”), KwaZulu-Natal (“KZN”) and Western Cape (“WC”) service regions (“the Project”) that the Bidder shall meet and deliver at the Bidder’s cost therefore within the Bid Price for an Anticipated Minimum Period of 40 months (Consisting of 10 Months Implementation, 24 Months for a full Maintenance, Warranty and Defects Liability Period and 6 Months For Contract Close-Out Administrative Processes).

### **1.2 Executive Overview**

- 1.2.1 Notwithstanding any other PRASA Requirements stated throughout the RFP, the Bidder shall uncompromisingly deliver the whole of the Works required to achieve successful delivery of the Project.

### **1.3 Location and Minimum Extent of the Works**

- 1.3.1 The boundaries of the Site are the KZN region Centralised Train Control Centres (“CTCC”) and other operating offices.

## 2 DELIVERY OF THE WORKS

### 2.1 General

2.1.1 The Works shall be executed as per prioritization of sequencing of the delivery Works as follows unless otherwise agreed to in writing with PRASA:

- a) Section 1: EAS development and Validation
- b) Section 2: Crossmoor to Havenside:
- c) Section 3: KwaMashu to Bridge City:
- d) Section 4: Avoca to Springfield:
- e) Section 5: Congela to Durban:
- f) Section 6: Clairwood to Umlazi:
- g) Section 7: Isipingo to Kelso:
- h) Section 8: Rosburgh to Pinetown:

### **3 SPECIFIC MINIMUM APPLICABLE CONDITIONS**

#### **3.1 General**

- 3.1.1 Metrorail KZN is a network of commuter rail services in the KwaZulu-Natal province, servicing the Greater Durban metropolitan area, operated by Metrorail (division of PRASA).

#### **3.2 CTC and Interlockings**

- 3.2.1 The Rossburgh CTCC will be located in Rossburgh, Durban.
- 3.2.2 Operations are conducted from Durban CTCC until final migration to Rossburgh CTCC.

## 4 MINIMUM REQUIREMENTS

### 4.1 General

- 4.1.1 The Bidder shall implement the EAS according to current approved line plans.
- 4.1.2 The Bidder shall update the system as required in the event that the physical layout changes due to resignalling or other works.
- 4.1.3 The Bidder shall move the EAS to any location in the KZN Region as and when requested by PRASA.