

Annexure 2.3:
Particular Technical Requirements
Western Cape

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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 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 Western Cape Rail Management and Train Control Centre (“RM&TCC”) located in Bellville.

2 DELIVERY OF THE WORKS

2.1 General

2.1.1 The Works will 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: Langa - Chris Hani and Langa – Kapteinsklop
- c) Section 3: Cape Town - Langa via Esplanade and Cape Town - Langa via Hazendal
- d) Section 4: Cape Town - Retreat
- e) Section 5: Retreat - Simons Town
- f) Section 6: Cape Town - Retreat (via Flats line)
- g) Section 7: Cape Town – Bellville (via Ysterplaat)
- h) Section 8: Cape Town – Bellville (via Goodwood)
- i) Section 9: Bellville – Eersterivier

- j) Section 10: Two branch lines (Eersterivier - Strand and Eersterivier - Muldersvlei)

3 SPECIFIC MINIMUM APPLICABLE CONDITIONS

3.1 General

- 3.1.1 Metrorail Western Cape is a network of commuter and suburban rail services in and around the metropolitan area Cape Town, operated by Metrorail (division of PRASA).

3.2 CTC and Interlockings

- 3.2.1 The RM&TCC is located in Bellville.
3.2.2 Operations are conducted from the RM&TCC.

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 WC Region as and when requested by PRASA.