

RFP for the enablement of the PRASA Train Control System (“PTCS”) phase 1 through the restoration, verification, testing, and commissioning of the existing original equipment manufacturer (“OEM”) electronic signalling interlocking system in PRASA’s Western Cape (“WC”) service region



Annexure 1.6:
Returnable Documents

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1 GENERAL

1.1 Purpose of the Document

- 1.1.1 The purpose of this document is to provide the minimum Returnable Documents which form part of the minimum Requirements of the Passenger Rail Agency of South Africa (“PRASA”) that the Bidder shall submit as part of the Bid for the enablement of the PRASA Train Control System (“PTCS”) Phase 1 through the restoration, verification, testing, and commissioning of the existing original equipment manufacturer (“OEM”) Electronic Signalling Interlocking System in PRASA’s Western Cape (“WC”) service region (“the Project”) that the Bidder shall meet and deliver at the Bidder’s cost therefore within the Bid Price.

1.2 Executive Overview

- 1.2.1 The information and requirements specified in this document is additional to, and does not replace, all other information requested, from the Bidder as part of the Bid, throughout the RFP.

2 RETURNABLE DOCUMENTS

2.1 General

2.1.1 Project description and understanding:

- a) The Bidder shall submit a detailed description and understanding of the Project as understood by the Bidder.

2.1.2 Statement of Compliance:

- a) The Bidder shall submit a clause-by-clause/item-by-item unambiguous statement of full compliance to all requirements and specifications provided throughout the RFP.
- b) The Bidder shall submit a clause-by-clause/item-by-item unambiguous statement of compliance with all relevant standards, specifications, regulations and procedures in the MTR.

2.1.3 References:

- a) The Bidder shall submit detailed case studies for similar projects implemented in the last 5 years in suburban areas together with associated verifiable client references and contact details.
- b) The Bidder will provide a list of signalling projects or railway projects with a signalling scope completed in the last 15 years, with client contact information for each project (Only contactable projects will be considered):

- The tender value of the signalling scope of the project (in ZAR - calculated at an exchange rate of GBP1=ZAR22.5 / EUR1=ZAR19.9 / USD1=ZAR18) will be provided for verification.
 - The Bidder will provide completion/handover certificates for each project as proof of completion.
 - In the case of a joint venture or consortium, each member of the joint venture/consortium will provide an individual list`
- c) The Bidder will provide a list of signalling projects or railway projects completed in the last 15 years, with client contact information for each project (Only contactable projects will be considered), which meets ALL the following criteria:
- Signalling scope tender value higher than or equal to R50 million.
 - Less than 6 months total delay compared to tender project baseline.
 - Less than 6 months total delay compared to tender project baseline.
- d) In the case of a joint venture or consortium, each member of the joint venture/consortium will provide an individual list and the highest value project from any member of the joint venture/consortium will be used for scoring.

2.2 Works Delivery Method Statements

2.2.1 The Bidder shall provide comprehensive method statements on how all aspects of the Planning, Design, Supply, Construction, Installation, Testing, Commissioning and Maintenance of the Works shall be delivered by the Bidder, in strict compliance and adherence with the RFP. The method statements to be provided include, but are not limited to:

- a) General.
- b) Management and Implementation.
- c) Project Programme and Time Management.
- d) Interface Management.
- e) Key Personnel Requirements.
- f) Project Office Co-location and Resourcing.
- g) Document Management.
- h) Reporting.
- i) Communication Plan including Project Meetings.
- j) Occupational Health and Safety Management.
- k) Environmental and Heritage Management

- l) Quality Management.
- m) Temporary Works, Site(s) Services and Construction Constraints.
- n) Reporting of Faults and Failures.
- o) Occupations.
- p) Operational Readiness.
- q) Competence Management Training and Technology Transfer.
- r) Inspections, Interim Tests, Tests on Completion, Commissioning, Completion, Taking Over and Defects After Taking Over.
- s) Decommissioning and disposal.
- t) Spares, Maintenance and Life Cycle Cost (“LCC”) Replacement Plan and Financial Model.
- u) Project Exit Strategy
- v) Any other method statements as required to clearly demonstrate how the Works shall be delivered.

2.3 General Technical Requirements

2.3.1 Systems descriptions:

- a) The Bidder shall submit a detailed description of the restoration required of all systems and sub-systems (RSS, Telecommunication and Electrical) that the Bidder shall provide as part of the Works.
- b) Such description shall include a description of all systems, sub-systems, Plant and Materials that shall be delivered as part of the Works.
- c) The systems descriptions shall, where applicable, for each system, sub-system and Plant and Materials describe the diagnostic features of the system, sub-system and Plant and Materials together with the data that shall be transmitted to the Maintenance server.

2.3.2 Theft and Vandalism method statement:

- a) The Bidder shall submit a detailed method statement on all measures, techniques and Installation rules the Bidder shall implement toward addressing the Theft and Vandalism concerns and requirements stated throughout the RFP to suitably and adequately protect and deliver the Works.

2.3.3 Earthing and bonding concept:

- a) The Bidder shall submit a detailed description of the restoration required of the earthing and bonding of all applicable systems, sub-systems and Plant and Materials that shall be provided as part of the Works.

b) The earthing and bonding concept shall, at a minimum:

- Give details on how the Bidder shall meet the earthing and bonding requirements
- Give details on how the earthing and bonding conditions already implemented shall not be affected during the implementation of any new system
- How the interfaces between any new and existing systems shall be managed
- Indicate applicable certificates

2.3.4 Environmental and Heritage:

- a) In conjunction with other Environmental and Heritage method statements requirements specified throughout the RFP, the Bidder shall:
- Indicate applicable certificates
 - Provide evidence that systems, sub-systems and Plant and Materials shall complement the Western Cape (“WC”) environment.

2.4 Railway Signalling System (“RSS”)

2.4.1 Method statement:

- a) The Bidder shall submit a high-level implementation, Testing and Commissioning method statement.
- b) The method statement shall provide an overview of how the Bidder will implement any RSS changes.
- c) The method statement shall include details regarding Installation methods, FAT, SAT and final Testing and Commissioning, indicating which activities will be conducted under Occupation-Between-Trains conditions and which will require total Occupation.

2.5 Telecommunications System, Hardware and Fibre Cable

2.5.1 Method statement:

- a) The Bidder shall submit a high-level implementation, Testing and Commissioning method statement.
- b) The method statement shall provide an overview of how the Bidder will implement any Telecommunication changes.

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- c) The method statement shall include details regarding Installation methods, FAT, SAT and final Testing and Commissioning, indicating which activities will be conducted under Occupation-Between-Trains conditions and which will require total Occupation.

2.6 Electrical

2.6.1 Method statement:

- a) The Bidder shall submit a high-level implementation, Testing and Commissioning method statement.
- b) The method statement shall provide an overview of how the Bidder will implement any Electrical changes.
- c) The method statement shall include details regarding Installation methods, FAT, SAT and final Testing and Commissioning, indicating which activities will be conducted under Occupation-Between-Trains conditions and which will require total Occupation.