Annexure 1.2:

Glossary of Terms

Contents

1   GENERAL

1.1   Purpose of the Document

1.1.1   The purpose of this document is to provide the Glossary of Terms 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 expanded PRASA Optical Transmission Network ("OTN") in PRASA's Gauteng ("GP") 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.

1.2   Executive Overview

1.2.1   Notwithstanding any other requirements stated throughout the RFP, capitalised terms utilised throughout the RFP shall have the same meaning as ascribed thereto, unless the context indicates otherwise or PRASA makes an executive decision on the meaning, and which shall have the same meaning as the terms and conditions to be expressed in the Contract. PRASA's decision on the meaning and context of all terms used throughout the RFP shall be binding therefore it is the responsibility of the Bidder to clarify the meaning and context of any terms used throughout the RFP should the Bidder not understand the meaning or context of such terms.

2 MINIMUM APPLICABLE ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	Alternating Current
APCL	Approved Programme Change Log
ATR	Automatic Train Routing
AZ	Axle Counter
B-BBEE	Broad-Based Black Economic Empowerment
BMS	Building Management System
BOIC	Barring of Outgoing International Calls
CEMP	Construction Environmental Management Plan
CFR	Commercial and Financial Requirements
CFU	Call Forwarding Unconditional
CIDB	Construction Industry Development Board
COTS	Commercial of the shelf
CLIP	Calling Line Identification Presentation
CLO	Community Liaison Officer
CoLP	Connected Line Identification Presentation
CPC	Community Participation Consultant
CPI	Consumer Price Index
CSD	Central Supplier Database
CTCC	Centralised Traffic Control Centre
CUG	Closed User Group
CW	Call waiting
DAS	Driver Advisory System
DTIC	Department of Trade, Industry and Competition
DMI	Driver Machine Interface
DMOC	Durban Metrorail Operations Centre
DPSA	Department of Public Service and Administration
EAI	Electronic Authorisation Interlocking
EAS	Electronic Authorisation System
ECO	Environmental Control Officer
ECSA	Engineering Council of South Africa
EI	Electronic Interlocking

ABBREVIATION	DESCRIPTION
EIA	Environmental Impact Assessment
ELD	Earth Leakage Detectors
eLDA	enhanced Location Dependent Addressing
EMC	Electromagnetic Compatibility
EME	Exempted Micro Enterprise
eMLPP	Enhanced Multi-Level Precedence and Pre-emption
EMS	ETCS Level 2 Maintenance server
EoT	Extension of Time
ERA	European Union Agency for Railways
ETCS	European Train Control System
FAT	Factory Acceptance Testing
FM	Facilities Management
FMP	Financial Management Plan
FOREX	Foreign Exchange
FPC	Final Payment Certificate
FRMCS	Future Railway Mobile Communication System
FRS	Functional Requirement Specification
FS	Full Supervision Mode
GNC	Gauteng Nerve Centre
GBCSA	Green Building Council of South Africa
GP	Gauteng
GTR	General Technical Requirements
GPE	Gauteng East
GPN	Gauteng North
GPS	Global Positioning System
GPW	Gauteng West
GSM	Global System for Mobile Communication
GSM-R	Global System for Mobile Communication – Railway
GSM-R OPHR System	The GSM-R OPHR System in its entirety including, but not limited to, sub-systems and all Plant and Materials
GTR	General Technical Requirements
HIA	Heritage Impact Assessment
ICASA	Independent Communications Authority of South Africa

ABBREVIATION	DESCRIPTION
ICP	Initial Contract Price or Accepted Contract Amount
IL	Interlocking
IPC	Interim Payment Certificate
IPS	Industrial Participation Secretariat
JRU	Juridical Recorder Unit
KMAC	Key Message Authentication Code
KMC	Key Management Centre
KZN	KwaZulu-Natal
LAN	Local Area Network
LCC	Life Cycle Cost
LED	Light Emitting Diode
LEU	Lineside Electronic Unit
LRT	Local RBC Maintenance Terminal
LX	Level Crossing
MMI	Man-Machine Interfaces
MSC	Mobile Switching Centre
MTR	Main Technical References
NIP	National Industrial Participation
NoBo	Notified Body
OBT	Occupation Between Trains
OEM	Original Equipment Manufacturer
OFC	Optic Fibre Cable
OHS	Occupational Health, Safety and Security
OHTE	Overhead Traction Equipment
OCS/OHLE	Overhead Catenary System/Overhead Line Equipment
OPH	Operational Portable Handhelds
OPHR	Operational Portable Handheld Radio
OPHRs	Operational Portable Handheld Radios
PB	Push Buttons
PES	Project Engineering Services
PIS	Passenger Information System
PMBOK	Project Management Body of Knowledge
PoE	Power over Ethernet

ABBREVIATION	DESCRIPTION
Plant and Materials	Includes, but shall not be limited to, all Plant, Materials, Furniture, Equipment, Tools, Spares, Software, Technology and Components to be provided by the Bidder to deliver the Project
PPE	Personal Protection Equipment
PRASA	Passenger Rail Agency of South Africa
PSS	Power Supply System
PTCS	PRASA Train Control System
PTR	Particular Technical Requirements
PTT	Push-To-Talk
QMP	Quality Management Plan
QMS	Quality Management System
QSE	Qualifying Small Enterprises
R&D	Research and Development
RBC	Radio Block Centre
RCA	Root Cause Analyses
RFP	Request for Proposal
ROC	Required Operational Capability
RSS	Railway Signalling System
RT	Railway Telecommunications
S&D	Service and Diagnostic System
SA	South Africa or South African
SAICA	South African Institute of Chartered Accountants
SANAS	South African National Accreditation System
SANS	South African National Standard
SARS	South African Revenue Service
SAT	Site Acceptance Testing
SATO	Semi-Automatic Train Operation
SAWS	South African Weather Service
SBD	Standard Bidding Document
SCADA	Supervisory Control and Data Acquisition
SES	System Engineering Services
SIL	Safety Integrity Level
SIM	Subscriber Identity Module

ABBREVIATION	DESCRIPTION
SMP	Safety Management Plan
SOE	State Owned Enterprise
SPM	Schedule of Payment Milestones
SRS	Specific Application System Requirements
SyID	System Interface Description
TCO	Train Control Officer
TCP	Total Contract Price or the Contract Value
TCS	Train Control System
TFR	Transnet Freight Rail
TTMS	Train Traffic Management System
TVD	Track Vacancy Detection
TWR	Train Working Rules
UPS	Uninterrupted Power Supply
UHF	Ultra high frequency
URS	User Requirement Specification
USSD	Unstructured Supplementary Service Data
UUS1	User-to-User Signalling 1
VAT	Value Added Tax
VOX	Voice Operated Transmit
TWR	Train Working Rules
VDU	Visual Display Unit
WAN	Wide Area Network
WBS	Work Breakdown Structure
WC	Western Cape