


**BID NUMBER: DBN/CAP (BAC) 011
REQUEST FOR TENDER: SUPPLY, INSTALLATION,
REHABILITATION AND COMMISSIONING OF
INTEGRATED COMMUNICATIONS SYSTEMS SECURITY
SYSTEM AND PASSENGER INFORMATION SYSTEMS
FOR PRASA RAIL KZN**

CLOSING DATE	13 FEBRUARY 2023
CLOSING TIME	12H00
BID DOCUMENTS DELIVERY ADDRESS	PASSENGER RAIL AGENCY OF SOUTH AFRICA, 65 MASABALALA YENGWA AVENUE DURBAN STATION KZN 4001
BIDDER NAME
BID RETURN ADDRESS (BIDDING ENTITY RETURN ADDRESS)	Contact Number..... Company Name.....

This document is provided solely for the purpose set out in this RFT and is not intended to form any part or basis of any investment decision by Bidders. The recipient should not consider the document as an investment recommendation by PRASA or any of its advisers.

Each person to whom this document (and other later documents) is made available must make his own independent assessment of the Project after making such investigation and taking such professional advice as he/she or it deems necessary. Neither the receipt of this document or any related document

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by any person, nor any information contained in the documents or distributed with them or previously or subsequently communicated to any Bidder or its advisers, is to be taken as constituting the giving of an investment advice by PRASA or its advisers.

Whilst reasonable care has been taken in preparing this RFT and other documents, they do not purport to be comprehensive or true and correct. Neither PRASA nor any of its advisers accept any liability or responsibility for the adequacy, accuracy or completeness of any of the information or opinions stated in any document.


They acquaint themselves with this RFT and take note that no representation or warranty, express or implied, is or will be given by PRASA, or any of its officers, employees, servants, agents or advisers with respect to the information or opinions contained in any document or on which any document is based. Any liability in respect of such representations or warranties, howsoever arising is hereby expressly disclaimed.

If any recipient, or its employees, advisers or agents make or offers to make any gift to any of the employees of PRASA or consultant to PRASA on the RFT either directly or through an intermediary then such recipient, Bidder will be disqualified forthwith from participating in the RFT.

Each recipient of this RFT agrees to keep confidential any information of a confidential nature which may be contained in the information provided (the "Confidential Information Provided"). The Confidential Information provided may be made available to Bidder's subcontractors, employees and professional advisers who are directly involved in the appraisal of such information (who must be made aware of the obligation of confidentiality) but shall not, either in the whole or in part, be copied, reproduced, distributed or otherwise made available to any other party in any circumstances without the prior written consent of PRASA, nor may it be used for any other purpose than that for which it is intended.

These requirements do not apply to any information, which is or becomes publicly available or is shown to have been made available (otherwise than through a breach of a confidentiality obligation). Bidders, Key Contractors and their constituent members, agents and advisers, may be required to sign confidentiality Contracts/undertakings (in such form as PRASA may require from time to time).

All Confidential Information Provided (including all copies thereof) remains the property of PRASA and must be delivered to PRASA on demand. Further, by receiving this RFT each Bidder and each of its members agrees to maintain its submission in Bid to this RFT confidential from third parties other than

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PRASA and its officials, officers and advisers who are required to review the same for the purpose of procurement of the RFT.

Any recipient residing outside the Republic of South Africa is urged to familiarise themselves with and to observe any regulatory requirements relevant to the proposed transaction (whether these derive from a regulatory authority within or outside the Republic of South Africa).

Any requirement set out in this RFT regarding the content of a response to the RFT is stipulated for the sole benefit of PRASA, and serves as expressly stated to the contrary, may be waived at its discretion at any stage in the procurement process.

PRASA is not committed to any course of action as a result of its issuance of this RFT and/or its receipt of a Proposal in response to it. Please note that PRASA reserves the right to:

- Modify the RFT's goods / service(s) / works and request Respondents to re-bid on any changes;
- Withdraw, amend the RFT at any time without prior notice and liability to compensate or reimburse any respondent;
- Reject any Proposal which does not conform to instructions and specifications which are detailed herein
- Disqualify Proposals submitted after the stated submission deadline;
- Call a respondent to provide additional documents which PRASA may require which have not been submitted to PRASA.
- Not necessarily accept the lowest priced Proposal or alternative bid;
- Not accept any response to the RFT or appoint a final bidder;
- Reject all proposals if it so decides;
- Withdraw the RFT on good cause shown;
- Award a contract in connection with this Proposal at any time after the RFT's closing date;
- Award a contract for only a portion of the proposed goods/ service/s/ works which are reflected in the scope of this RFT;
- Split the award of the contract between more than one Service Provider, should it at PRASA's discretion be more advantageous in terms of, amongst others, cost or development considerations;
- Make no award at all;

- Validate any information submitted by Respondents in response to this bid. This would include, but is not limited to, requesting the Respondents to provide supporting evidence. By submitting a bid, Respondents hereby irrevocably grant the necessary consent to PRASA to do so;
- Request annual financial statements prepared and signed off by a professional accountant or other documentation for the purposes of a due diligence exercise; and/or
- Not accept any changes or purported changes by the Respondent to the bid rates after the closing date and/or after the award of the business, unless the contract specifically provided for it.

To adopt any proposal made by any bidder at any time and to include such proposal in any procurement document which may or may not be made available to other bidders.

All costs and expenses incurred by Bidders in submitting responses to this RFT shall be borne by the Bidders and PRASA shall not be liable for any costs or expenses whatsoever or any claim for reimbursement of such costs or expenses.

Should a contract be awarded on the strength of information furnished by the Respondent, which after conclusion of the contract, is proved to have been incorrect, PRASA reserves the right to cancel the contract and/or place the Respondent on PRASA's list of Restricted Suppliers.

PRASA reserves the right to negotiate market-related price with the bidder scoring the highest points or cancel the bid; if the bidder does not agree to a market related price, negotiate a market related price with the bidder scoring the second highest points or cancel the bid; if the bidder scoring the second highest points does not agree to a market related price, negotiate a market related price with the bidder scoring the third highest points or cancel the bid. If the market related price is not agreed as envisaged in this paragraph, PRASA will cancel the bid.

PRASA reserves the right to negotiations Best and Final Offer (BAFO) with selected Respondents where none of the Proposals meet RFT requirement, are affordable and demonstrate value for money and there is no clear preferred response to the RFT

PRASA will not reimburse any Respondent for any preparatory costs or other work performed in connection with its Proposal, whether or not the Respondent is awarded a contract.

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1 LIST OF ANNEXURES

Draft Contract	Annexure 1
RFT Clarification FORM	Annexure 2
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E4E Health and Safety	Annexure 5

2 ACRONYMS

BBBEE	Broad Based-Black Economic Empowerment
CIDB	Construction Industries Development Board
DTiC	The Department of Trade and Industry and Competition
PPPFA	Preferential Procurement Policy Framework Act 5 of 2000 (as amended from time to time)
PFMA	Public Finance Management Act No.1 of 1999 (as amended from time to time)
PRASA	Passenger Rail Agency of South Africa
RFT	Request for Tender
SANAS	South African National Accreditation System

3 INTERPRETATION


In this RFT, unless inconsistent with or otherwise indicated by the context –

- 3.1 headings have been inserted for convenience only and should not be taken into account in interpreting the RFT;
- 3.2 any reference to one gender shall include the other gender;
- 3.3 words in the singular shall include the plural and vice versa;
- 3.4 any reference to natural persons shall include legal persons and vice versa;
- 3.5 words defined in a specific clause have the same meaning in all other clauses of the RFT, unless the contrary is specifically indicated;
- 3.6 any reference to the RFT, schedule or appendix, shall be construed as including a reference to any RFT, schedule or appendix amending or substituting that RFT, schedule or appendix;
- 3.7 the schedules, appendices and Briefing Notes issued pursuant to this RFT, form an indivisible part of the RFT and together with further clarifying and amending information provided by PRASA, constitute the body of RFT documentation which must be complied with by Bidders;
- 3.8 in the event of any inconsistency between this RFT or other earlier information published with regard to the Project, the information in this RFT shall prevail; and
- 3.9 this RFT shall be governed by and applied in accordance with South African law.

4 DEFINITIONS

In this RFT and in any other project documents (as defined below) which so provides, the following words and expressions shall have the meaning assigned to them below and cognate expressions shall have a corresponding meaning, unless inconsistent with the context:

- 4.1 “Accounting Authority” means the Board of PRASA;
- 4.2 “Contract” means the Contract to be entered between PRASA and the successful Bidder for the provision of the *services* procured in this RFT.
- 4.3 “Bid” means the Bid to the RFT submitted by Bidders;
- 4.4 “Bidders Briefing Session” means the compulsory briefing session to be held at the offices of PRASA, in order to brief the Bidders about this tender;
- 4.5 “Black Enterprise” means an enterprise that is at least 51% beneficially owned by Black People and in which Black People have substantial Management Control. Such beneficial ownership may be held directly or through other Black Enterprises;
- 4.6 “Black Equity” means the voting equity held by Black People from time to time;
- 4.7 “Black People” means African, Coloured and Indian South African citizens, and “Black Person” means any such citizen ;
- 4.8 “Black Woman” means African, Coloured and Indian South Africa Female citizen;
- 4.9 “Briefing Note” means any correspondence to Bidders issued by the PRASA;
- 4.10 “Business Day” means any day except a Saturday, Sunday or public holiday in South Africa;
- 4.11 “Bidders” means individuals, organisations or consortia that have been submitted responses to the RFT in respect of the tender;
- 4.12 “Consortium” means any group of persons or firms jointly submitting a Bid as Bid to this RFT and “Consortia” means more than one Consortium;
- 4.13 “Contractor” the successful Bidders who has signed a Contract with PRASA in terms of this RFT.
- 4.14 “Closing Date” means the closing date for submission of bids/ Proposals by Bidders which is **13th February 2023 @ 12h00.**
- 4.15 “Project” means this project for the **REQUEST FOR TENDER: SUPPLY, INSTALLATION, REHABILITATION AND COMMISSIONING OF INTEGRATED COMMUNICATIONS SYSTEMS SECURITY SYSTEM AND PASSENGER INFORMATION SYSTEMS FOR PRASA RAIL KZN**
- 4.16 “RFT” means the Request for Tenders issued by PRASA for this bid; and
- 4.17 “Scope of Work” means the scope of work for this project as detailed out in the RFT technical specifications.

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SECTION 1

NOTICE TO BIDDERS

1 INVITATION TO BID

You are hereby invited to submit a bid to meet the requirements of the Passenger Rail Agency of South Africa. Responses to this RFT [hereinafter referred to as a **Bid** or a **Proposal**] are requested from persons, companies, close corporations, or enterprises [hereinafter referred to as an **entity**, **Bidder**].

BID DESCRIPTION	REQUEST FOR TENDER: SUPPLY, INSTALLATION, REHABILITATION AND COMMISSIONING OF INTEGRATED COMMUNICATIONS SYSTEMS SECURITY SYSTEM AND PASSENGER INFORMATION SYSTEMS FOR PRASA RAIL KZN FOR PRASA RAIL KZN
BID ADVERT	This RFT will be advertised on National Treasury's e-Tender Publication Portal at www.etenders.gov.za and CIDB website with effect from 13 January 2023
ISSUE DATE	13 January 2023
COLLECTION DATE DEADLINE (if applicable)	Not Applicable
COMPULSORY BRIEFING SESSION	COMPULSORY BRIEFING/SITE MEETING DATE: 25th January 2023 @ 10H00
CLOSING DATE	13th February 2023 @ 12h00 Bidders must ensure that bids are delivered timeously to the correct address. As a general rule, if a bid is late or delivered to the incorrect address, it will not be accepted for consideration.
VALIDITY PERIOD	90 Business Days from Closing Date Bidders are to note that they may be requested to extend the validity period of their bid, at the same terms and conditions, if the internal evaluation process has not been finalised within the validity period.
CLOSING DATE FOR QUESTIONS	08 February 2023
CLOSING DATE FOR RESPONSES	09 February 2023
CONTACT PERSON	Rani Padayachee – rani.padayachee@prasa.com

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CIDB GRADING-N/A

CIDB grading is

Only those tenderers who are registered with the cidb, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations, for a 6 EP or Higher*. class of construction work, are eligible to have their tenders evaluated

Any additional information or clarification will be emailed to all Respondents, if necessary.

2 FORMAL BRIEFING

A compulsory RFT briefing/site meeting will be held physically on the 25 January 2023 at 10h00. The briefing will be at METRORAIL OFFICE, 65 MASABALALA YENGWA AVENUE, DURBAN STATION, ROOF LEVEL ENTRANCE, THEREAFTER PROCEEDING TO SITE.

3 BRIEFING SESSION MINUTES AND NOTES

3.1 PRASA will issue briefing session minutes or notes.

3.2 Bidders / Respondents are requested to promptly submit any clarifications on or before the deadline date stated.

3.3 Responses to clarifications / questions will be provided on or before the deadline date stated.

4 PROPOSAL SUBMISSION OF RFT RESPONSE

Proposal Responses must be submitted to PRASA in a sealed envelope addressed as follows:

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Description of Bid	REQUEST FOR TENDER: SUPPLY, INSTALLATION, REHABILITATION AND COMMISSIONING OF INTEGRATED COMMUNICATIONS SYSTEMS SECURITY SYSTEM AND PASSENGER INFORMATION SYSTEMS FOR PRASA RAIL KZN FOR PRASA RAIL KZN
Closing date and time:	13th February 2023 @ 12H00
Closing address	<i>[Refer to options in 5 below]</i>

5 DELIVERY INSTRUCTION FOR RFT

Delivery of Bid

The Bid envelopes must be deposited in the PRASA **Tender Box No. 04** and submission register must be completed before submitting the bid envelopes, which is located at the main entrance of the PRASA, METRORAIL KZN. Bids must be addressed as follows:

**65 MASABALALA YENGWA AVENUE
GREYVILLE, DURBAN STATION, 4001
ROOF LEVEL ENTRANCE**

6 BROAD-BASED BLACK ECONOMIC EMPOWERMENT AND SOCIO-ECONOMIC OBLIGATIONS

As explained in more detail in the attached SBD 6.1 (BBBEE Preference Points Claim Form) in and as prescribed in terms of the Preferential Procurement Policy Framework Act (PPPFA), Act 5 of 2000 and its Regulations, Respondents are to note that PRASA will award “preference points” to companies who provide valid proof of their B-BBEE status using either the latest version of the generic Codes of Good Practice or Sector Specific codes)if applicable).

Note: Failure to submit valid and original (or a certified copy of) proof of the Respondent’s compliance with the B-BBEE requirements stipulated in this RFT (the B-BBEE Preference Points Claim Form) at the Closing Date of this RFT, will result in a score of zero being allocated for B-BBEE.

6.1 B-BBEE Joint Ventures or Consortiums

Respondents who would wish to respond to this RFT as a Joint Venture [JV] or consortium with B-BBEE entities, must state their intention to do so in their RFT submission. Such Respondents must also submit a signed JV or consortium agreement between the parties clearly stating the percentage [%] split of business and the associated responsibilities of each party. If such a JV or consortium agreement is unavailable, the partners must submit confirmation in writing of their intention to enter into a JV or consortium agreement should they be awarded business by PRASA through this RFT process. This written confirmation must clearly indicate the percentage [%] split of business and the responsibilities of each party. In such cases, award of business will only take place once a signed copy of a JV or consortium agreement is submitted to PRASA.

Respondents are to note the requirements for B-BBEE compliance of JVs or consortiums as required by **SBD 6.1** [the B-BBEE Preference Point Claim Form] and submit it together with proof of their B-BBEE Status as stipulated in the Claim Form in order to obtain preference points for their B-BBEE status.

Note: Failure to submit a valid and original B-BBEE certificate for the JV or a certified copy thereof at the Closing Date of this RFT will result in a score of zero being allocated for B-BBEE.

6.2 Subcontracting

As an organ of state, PRASA fully endorses Government's transformation and empowerment objectives and when contemplating subcontracting Respondents are requested to give preference to companies which are Black Owned, Black Women Owned, Black Youth Owned, owned by Black People with Disabilities, EMEs and QSEs including any companies designated as B-BBEE Facilitators¹.

Respondents are required to submit proof of the subcontracting arrangement between themselves and the subcontractor. Proof of the subcontracting arrangement must include a subcontracting agreement.

Respondents are to note that it is their responsibility to select competent subcontractors that meet all requirements of the bid so that their bid is not jeopardised by the subcontractor when evaluated. Respondents are responsible for all due diligence on their subcontractors.

Respondent/s are discouraged from subcontracting with their subsidiary companies as this may be interpreted as subcontracting with themselves and / or using their subsidiaries for fronting. Where a Respondent intends to subcontract with their subsidiary this must be declared in their bid response.

The successful Respondent awarded the contract may only enter into a subcontracting arrangement with PRASA's prior approval. The contract will be concluded between the successful Respondent and PRASA, therefore, the successful Respondent and not the sub-contractor will be held liable for performance in terms of its contractual obligations.

¹ The Minister of the Department of Trade and Industry has the power to designate certain Organs of State or Public Entities as B-BBEE Facilitators. For example, the South African National Military Veterans' Association (SANMVA) has been designated as a B-BBEE Facilitator. As such they will be treated as having rights of ownership held 100% by Black People, 40% by Black Women and 20% by Black designated groups.

In terms of SBD 6.1 of this RFT [the B-BBEE Preference Point Claim Form] Respondents are required to indicate the percentage of the contract that will be sub-contracted as well as the B-BBEE status of the sub-contractor/s.

7 COMMUNICATION

- 7.1** For specific queries relating to this RFT during the RFT process, bidders are required to adhere strictly to the communication structure requirements. An RFT Clarification Form should be submitted to rani.padayachee@prasa.com on or before **08th February 2023**, substantially in the form set out in Annexure 2 hereto.
- 7.2** In the interest of fairness and transparency PRASA's response to such a query will be made available to the other Respondents who have attended a compulsory and a non-compulsory briefing session. For this purpose PRASA will communicate with Respondents using the contact details provided at the non-compulsory briefing session.
- 7.3** After the closing date of the RFT, a Respondent may only communicate in writing with the Bid Secretariat, at **telephone number 031 8130138**, email rani.padayachee@prasa.com. on any matter relating to its RFT Proposal.
- 7.4** Respondents are to note that changes to its submission will not be considered after the closing date.
- 7.5** Respondents are warned that a response will be liable for disqualification should any attempt be made by a Respondent either directly or indirectly to canvass any officer(s) or employee of PRASA in respect of this RFT between the closing date and the date of the award of the business. Furthermore, Respondents found to be in collusion with one another will automatically be disqualified and restricted from doing business with PRASA in future.

8 CONFIDENTIALITY

- 8.1** PRASA shall ensure all information related to this RFT is to be treated with strict confidence. In this regard Respondents / Bidders are required to certify that they have acquainted themselves with the Non-Disclosure Agreement All information related to a subsequent contract, both during and after completion thereof, will be treated with strict confidence. Should the need however arise to divulge any information gleaned from provision of the Services, which is either directly or indirectly related to PRASA's business, written approval to divulge such information must be obtained from PRASA.

8.2 Respondents must clearly indicate whether any information submitted or requested from PRASA is confidential or should be treated confidentially by PRASA. In the absence of any such clear indication in writing, PRASA shall deem the response to the RFT to have waived any right to confidentiality and treat such information as public in nature.

9 INSTRUCTIONS FOR COMPLETING THE RFT

9.1 All responses to the RFT must be submitted in two sealed envelopes/boxes; the first envelope/box shall have the technical, compliance and BBBEE response and the second envelope/box shall only have the financial response. Bidders must ensure that they do not indicate any financial information in the first envelope/box. PRASA may disqualify Bidders who fail to adhere to this requirement.

9.2 Bidders are required to package their response/Bid as follows to avoid disqualification:

Volume 1 (Envelope 1/Package 1)


- **Part A:** Compliance Response and B-BBEE Response
- **Part B:** Technical or Functional Response (response to scope of work)

Volume 2 (Envelope 2/ Package 2)

- **Part C:** Financial Proposal

Volume 2 Has to be submitted in a separate sealed envelope. Bidders must make their pricing offer in envelope 2/package 2, no pricing and pricing related information should be included in the Volume 1 envelope 1 **except Local Content Annexure C where the bid price is required to calculate the percentage of local content**

- 9.3** Bidders must submit 1 original response, 1 copy and an electronic version which must be contained in CDs or Memory Cards clearly marked in the Bidders name.
- 9.4** Bidders must ensure that their response to the RFT is in accordance with the structure of this document.
- 9.5** Where Bidders are required to sign forms they are required to do so using a black ink pen.
- 9.6** Any documents forming part of the original responses to RFT but which are not original in nature, must be certified as a true copy by a Commissioner of Oaths.
- 9.7** Each response to RFT must be in English and submitted in A4 format, except other graphic illustrations, which may not exceed A3 format, unless the contrary is specifically allowed for in this RFT. Responses to RFT must be neatly and functionally bound, preferably according to their different sections.

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- 9.8** The original responses to RFT must be signed by a person duly authorized by each consortium member and Subcontractor to sign on their behalf, which authorization must form part of the responses to RFT as proof of authorization. By signing the responses to RFT the signatory warrants that all information supplied by it in its responses to RFT is true and correct and that the responses to RFT and each party whom the responses to RFT signatory represents, considers themselves subject to and bound by the terms and conditions of this RFT.
- 9.9** The responses to RFT formulation must be clear and concise and follow a clear methodology which responses to RFT must explain upfront in a concise Executive Summary and follow throughout the responses to RFT.
- 9.10** Responses to RFT must provide sufficient information and detail in order to enable PRASA to evaluate the responses to RFT, but should not provide unnecessary detail which does not add value and detracts from the ability of PRASA to effectively evaluate and understand the responses to RFT. The use of numbered headings, bullet points, sections, appendices and schedules are encouraged.
- 9.11** Information submitted as part of a responses to RFT must as far as possible, be ordered according to the order of the required information requested by PRASA. All pages must be consecutively numbered.
- 9.12** Responses to RFT must ensure that each requirement contained in the RFT is succinctly addressed. Responses to RFT should as far as possible use the terms and definitions applied in this RFT and should clearly indicate its interpretation of any differing terminology applied.
- 9.13** Response to RFT documents are to be submitted to the address specified in item 5 above, and Bidders must ensure that the original and copies (where applicable) are identical in all respects as PRASA will not accept any liability for having disqualified a bidder for failing to provide a mandatory returnable document.
- 9.14** Unless otherwise expressly stated, all Proposals furnished pursuant to this RFT shall be deemed to be offers. Any exceptions to this statement must be clearly and specifically indicated.
- 9.15** Any additional conditions must be embodied in an accompanying letter. Subject only to clause 16 [Alterations made by the Respondent to Bid Prices] of the General Bid Conditions, alterations, additions or deletions must not be made by the Respondent to the actual RFT documents.

- 9.16** Bidders are required to review the Contract. Bidders may further amend and or delete any part of the Draft Contract where they deem fit to do so. Where Bidders have amended and or deleted any part of the Contract, it must be clearly visible by using track changes and must ensure that the disc copy of their bid submission for the Draft Contract is in word version and not password protected. **It must be noted that the marked up Contract will form part of the evaluation.**

10 RFT TIMETABLE

PRASA may at its sole discretion amend any of the milestone dates indicated in the table below. Bidders will be informed of any amendments to the timeline through the issue of the Addendum.

RFT PROCESS	MILESTONE DATES
Bid issue date	13 January 2023
Compulsory Physical Briefing Session for Bidders	25 January 2023 @ 10h00
Closing date for Questions	08 February 2023
Closing date for Responses	09 February 2023 @ 16h00
Closing Date for Submission of final Bid	13 th February 2023 @ 12h00
Evaluation of Proposals (Bidders note that PRASA may call for Presentation of bidders offers at any stage of the evaluation process)	TBA
Appointment of the successful Bidder	TBA
Contract Negotiations	TBA
Signing of Contract	TBA
Contract Commencement	TBA

PRASA may at its sole discretion amend any of the milestone dates indicated in the table above. Bidders will be informed of any amendments to the timeline through the issue of briefing notes.

11 CONTRACT DURATION

The planned time frame for the implementation of this proposed project is six (06) months from contract signing with a programme that consists of activities for; **REQUEST FOR TENDER: SUPPLY, INSTALLATION, REHABILITATION AND COMMISSIONING OF INTEGRATED COMMUNICATIONS SYSTEMS SECURITY SYSTEM AND PASSENGER INFORMATION SYSTEMS FOR PRASA RAIL KZN FOR PRASA RAIL KZN**

Respondents must ensure that they comply with all the requirements of the RFT and if Bidders fail to submit any of the required documents, such Bids shall, at the sole discretion of PRASA, be disqualified.

The successful Bidder [hereinafter referred to as the **Service Provider**] shall be in full and complete compliance with any and all applicable laws and regulations.

12 NATIONAL TREASURY'S CENTRAL SUPPLIER DATABASE

Respondents are required to self-register on National Treasury's Central Supplier Database (CSD) which has been established to centrally administer supplier information for all organs of state and facilitate the verification of certain key supplier information. Only foreign suppliers with no local registered entity need not register on the CSD. The CSD can be accessed at <https://secure.csd.gov.za>. Respondents are required to provide the following to PRASA in order to enable it to verify information on the CSD:

Supplier Number: _____ **Unique registration reference number:** _____.

13 TAX COMPLIANCE

Respondents must be compliant when submitting a proposal to PRASA and remain compliant for the entire contract term with all applicable tax legislation, including but not limited to the Income Tax Act, 1962 (Act No. 58 of 1962) and Value Added Tax Act, 1991 (Act No. 89 of 1991).

It is a condition of this RFT that the tax matters of the successful bidder be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.

The Tax Compliance status requirements are also applicable to foreign Respondents/ individuals who wish to submit bids.

Respondents are required to be registered on the Central Supplier Database (CSD) as indicated in item 12 above and the National Treasury shall verify the Respondent's tax compliance status through the Central Supplier Database (CSD).

Where Consortia / Joint Ventures / Sub-contractors are involved, each party must be registered on the Central Supplier Database (CSD) and their tax compliance status will be verified through the Central Supplier Database (CSD).

For this purpose, the attached SBD 1 marked FORM A and B must be completed and submitted as an essential returnable document by the closing date and time of the bid.

New Tax Compliance Status (TCS) System

SARS has implemented a new Tax Compliance Status (TCS) system in terms of which a taxpayer is now able to authorise any 3rd party to verify its compliance status in one of two ways: either through the use of an electronic access PIN, or through the use of a Tax Clearance Certificate obtained from the new TCS system.

Respondents are required to provide the following to PRASA in order to enable it to verify their tax compliance status:

Tax Compliance Status (TCS) Pin:_____.

14 PROTECTION OF PERSONAL DATA

In responding to this bid, PRASA acknowledges that it may obtain and have access to personal data of the Respondents. PRASA agrees that it shall only process the information disclosed by Respondents in their response to this bid for the purpose of evaluating and subsequent award of business and in accordance with any applicable law. Furthermore, PRASA will not otherwise modify, amend or alter any personal data submitted by Respondents or disclose or permit the disclosure of any personal data to any Third Party without the prior written consent from the Respondents. Similarly, PRASA requires Respondents to process any personal information disclosed by PRASA in the bidding process in the same manner.

SECTION 2

SCOPE AND SPECIFICATIONS

1. INTRODUCTION

- 1.1 Telecommunications department requires the appointment of a service provider to execute project on the supply, installation, rehabilitation and commissioning of access control, alarms, passenger information systems, and CCTV for KZN region at the train stations platforms and tickets offices.

2. BACKGROUND INFORMATION

2.1 STATUS QUO





- 2.1.1 Telecommunications departments in KZN region also experienced a high rate of theft and vandalism on all our systems within different locations. The number of damages affected stations operations for the whole KZN region which left most operational stations without security and telecommunication systems.
- 2.1.2 A large number of damages affected transmission systems, access control system, alarm system, passenger information systems, speed gates and CCTV systems

2.2 PROBLEM STATEMENT

- 2.2.1 Prasa as a business would like to resume services to all corridors, however due to theft and vandalism occurring on PRASA's assets the company is not able to resume operations in some stations.
- 2.2.2 The extent of these vandalism has an adverse effect on the station buildings as security and safety has affected commuters, employees, and various internal/external systems.

2.3 PICTORIALS

2.3.1 Thembalihle Station

	
<p>a) Default Office on concourse vandalised. Camera, access control, field node and fire system stolen.</p>	<p>b) Manhole covers all stolen and all copper cables stolen from cableways</p>
	
<p>c) Mini Kiosk stolen including all equipment. I.e. switch, fiber patch panel, distribution unit and all cables</p>	<p>d) Main Kiosk vandalised and doors stolen. Including all equipment. i.e. switch, distribution panel, fiber patch panel and cables</p>
	

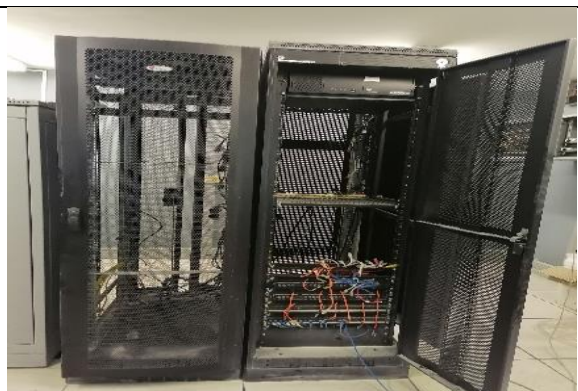
e) Electronic display boards are still on stie but all cables are stolen and some of the glass panels over the LEDs are broken.

f)

2.3.2 Bridge City Station



a) Bridge City was looted and cameras were vandalised and some were even stolen.



b) Most of the equipment from Bridge city was stolen including switches, recorders,

2.3.3 Greenwood Park



a) Electronic display board was stolen and the only remains is the bracket for the display board



b) Electronic display board was stolen and the only remains is the bracket for the display board.





c) All manholes have been forced open and all cables have been stolen, some manhole covers have been stolen as well

d) Both mini kiosks and main kiosk have been stolen and all the equipment and cables inside also stolen i.e. switch, distribution panel, fiber patch panel and cables





e) All head end equipment on the platforms have been stolen including PA system, cameras, display boards and cabling.

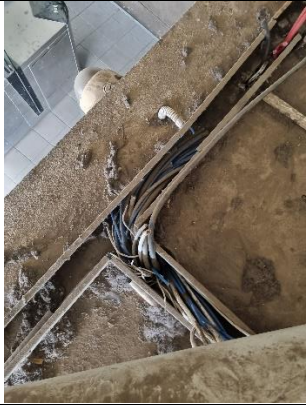
2.3.4 Avoca Station

	
<p>a) The equipment room has been vandalised as well as the ticket office. All associated equipment's have been stolen</p>	<p>b) The platforms at Avoca show all telecoms equipment's have been stolen such as the main and mini kiosk, Electronic display board, speakers and poles, all cabling, and manhole covers</p>

2.3.5 Effingham Station



	
<p>a) The main kiosk door is vandalised</p>	<p>b) 4 cameras have been vandalised and stolen on the platform</p>

2.3.6 Kwamashu Station

	
<p>a) Camera facing the ticket window has been stolen</p>	<p>b) 2 cameras facing the speedgate point has also been stolen</p>
	
<p>c) 2 cameras on the concourse has been stolen</p>	<p>d) Telecoms cables at roof level has been vandalised and stolen affecting operation of systems</p>
	
<p>e) Stolen and vandalised cable include CCTV, power cable, Fiber, fire cable, access control and PA system cabling</p>	


2.3.7 Temple station

	
<p>a) The heavy duty armoured door has been stolen from the equipment room</p>	<p>b) The suspended floor and equipment have been stolen from the equipment room</p>
	
<p>c) The speedgate hut has been vandalised and speedgates stolen</p>	<p>d) The main kiosk has been stolen</p>
	
<p>e) Main kiosk door vandalised and all equipment and cabling stolen on the platform</p>	<p>f) Manholes have been opened and cabling stolen</p>

	
<p>g) Ticket office has been vandalised and equipment stolen</p>	<p>h) Structural vandalism has taken place</p>

2.3.8 Duffs Road station

	
<p>a) All equipment inside the main kiosk has been stolen</p>	<p>b) The kiosk has been vandalised on both platforms</p>
	
<p>c) Cabling going under the kiosk has also been stolen</p>	<p>d) Speedgates are all vandalised</p>

	
<p>e) The station has been structurally vandalised and all telecoms equipment has been stolen including fire and access control.</p>	

3. OBJECTIVE OF THE PROPOSED PROJECT

3.1 DESIRED OUTCOMES FOR CARRYING OUT THE PROPOSED PROJECT

- 3.1.1** The objective of the project is to supply, install, rehabilitation and commissioning of integrated communication systems which consist of; access control system, intruder alarm systems, PA system, electronic display board and CCTV systems for KZN region affected by theft and vandalism at various stations within the 'A' corridor.

3.2 PROJECT BENEFITS TO PRASA

- 3.2.1** To increase safety and security within or around the train stations for our employees and customers.
- 3.2.2** To revive train operations on the affected stations and ensure that these stations generate much needed revenue.

3.3 CURRENT MECHANISMS IN PLACE TO ADDRESS THE PROBLEM

- 3.3.1** Currently, PRASA has implemented contract security at our stations to reduce theft and vandalism
- 3.3.2** The issuing of loud hailer to Customer services employees to address the commuters at the station platforms.

4. SCOPE OF WORK AND AREAS OF FOCUS

4.1 SCOPE OF WORK FOR VARIOUS SYSTEM.

- 4.1.1 Supply, install, rehabilitation, and commissioning of access control, speed gates systems with card reading features at the train station entrance points.
- 4.1.2 Supply, install, rehabilitation, and commissioning of card readers, magnetic locks for roller shutters doors.
- 4.1.3 Supply, installation, rehabilitation, commissioning of alarm systems at the tickets offices.
- 4.1.4 Supply, installation of close circuit television at the ticket offices and train stations platforms.
- 4.1.5 Supply, install, rehabilitate cable trays, junction boxes, PVC conduits and rewiring of cables at the station concourse and platforms.
- 4.1.6 Supply and install of 43 U 19inch cabinet at all the equipment rooms at the stations building.
- 4.1.7 Supply and install of 10KVA back-up power supply for all the stations equipment rooms.
- 4.1.8 The system shall be interfaced with the current PRASA fiber transmission network – PRASA to assist with creating links
- 4.1.9 The CCTV and Access control system shall be integrated with the PRASA existing system.
- 4.1.10 The CCTV and Access control system shall integrate the storage capacity with the existing PRASA system and ensure maximum capacity.
- 4.1.11 Refurbish and commission of server room and control room at Bridge City station.
- 4.1.12 Provide and Integrate with central control room for remote streaming of all images from remote locations.
- 4.1.13 Provide the management system, storage system and maintenance terminal per site.
- 4.1.14 Supply, install and rehabilitate of smoke detectors.
- 4.1.15 Supply and Installation of Green emergency resettable break glass unit.
- 4.1.16 Access control and Intruder alarm systems shall be integrated into the existing Babylon servers
- 4.1.17 Label all equipment's installed within the project.
- 4.1.18 Supply, Install, rehabilitate the Rochla and Rochla Panels.(Main and mini Kiosks)
- 4.1.19 Joining of cables shall be done within termination points using joining kits.

- 4.1.20** The electronic information board shall reflect the clients cooperate branding with the integration of the company logo.
- 4.1.21** The service provider shall conduct factory acceptance test for all the systems before installation.
- 4.1.22** The Contractor shall take all reasonable precautions to protect existing services during his activities on the site, and any known service damaged as result of the Contractor's operations, shall be repaired and reinstated by the Contractor or the Authority concerned, all at the expense of the Contractor and to the satisfaction of the Technical Officer/ Project Co-ordinator. If a known service is damaged, the Technical officer must be notified immediately and all work on site must stop until the extent of the damage is quantified.
- 4.1.23** The Contractor shall make available, free of charge, a sufficient quantity of material/equipment supplied by him, which are to be used for the contract, for testing by Metrorail technicians, when so required by the Technical Officer.

4.2 DETAILS ON THE PREFERRED SOLUTION

Open Tender

4.3 TARGETED AREA BY THIS PROJECT

KZN Region

4.4 EXTENT AND COVERAGE OF THE PROPOSED PROJECT

4.4.1 Durban to Kwa Mashu (listed stations below)

- Kwa Mashu station
- Thembalihle Station
- Duffs Road Station
- Avoca Station
- Greenwood Park station
- Effingham Station
- Temple station

- Bridge City

4.5 OTHER RELATED PROJECTS

NONE

5. SPECIFICATION OF THE WORK OR PRODUCTS OR SERVICES REQUIRED

5.1 TECHNICAL SPECIFICATIONS FOR ACCESS CONTROL SYSTEMS AND PASSENGER INFORMATION SYSTEMS.

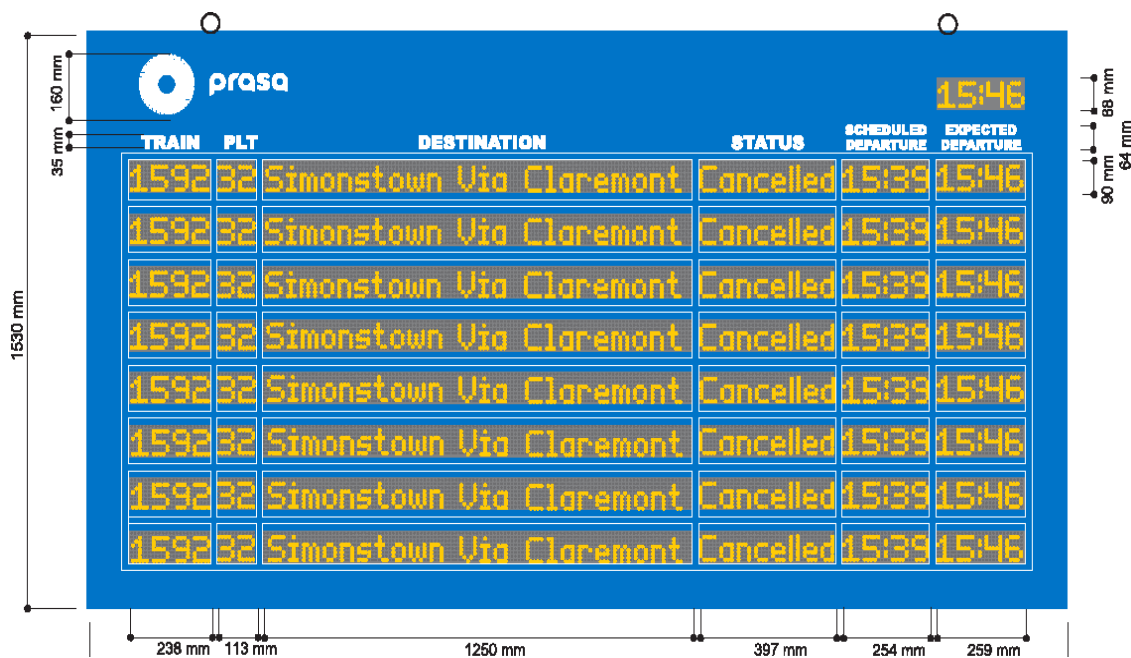
5.1.1 ELECTRONIC DISPLAY BOARDS

<u>Technical Specification</u>		
<u>Description</u>	<u>CERBERUS 200</u>	<u>CERBERUS 800S</u>
-	-	-
Number of Lines	2	8
Characters per Line	26	53
Character Height	80mm	80mm
Viewing Distance	2m - 40m	2m - 40m
Viewing Angle	120 Degrees	140 degrees vertically and horizontally
Matrix layout	160 x 8x8 LED's	1024 x 512 x 3mm RGB
Brightness	5000 nit to 1000 nit	
Communication	RS485 or TCP/IP	RS485 or TCP/IP
Communication Protocol	Railcom - ECD/CPD	EDF - Railcom - ECD/CPD
Supply Voltage	220Vac +/- 20%	220Vac +/- 20%
Max Power Consumption	250W max per side	4100W

Ventilation	2 vents and 2 fans	8 vents and 8 fans
Length	1816mm	3080mm
Height	640mm	1550mm
Depth	220mm - 120mm	250mm

Fig.1

CERBERUS 800S



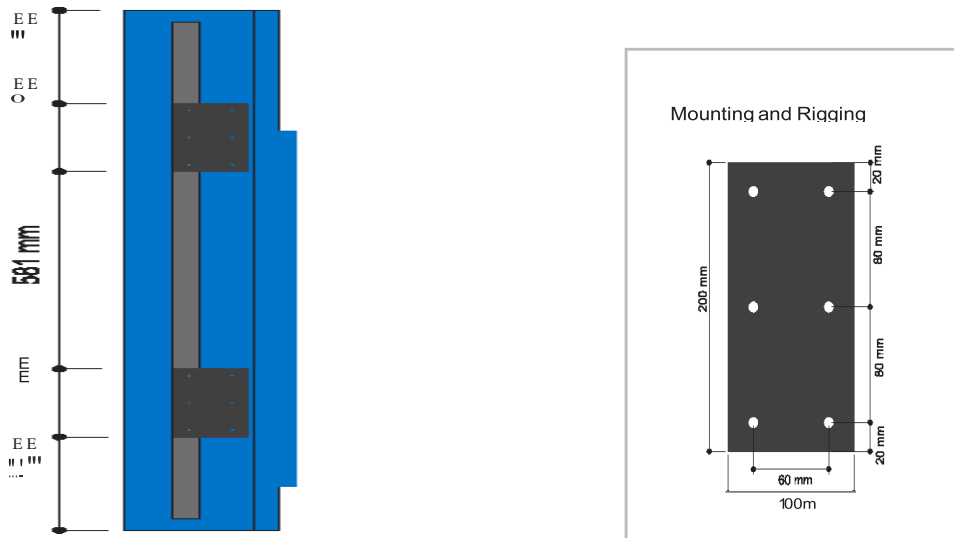


Fig.2

CERBERUS 200



5.1.2 SERIAL DEVICE SERVER

FEATURES:

- Fully compliant EIA/TIA RS485, RS422, RS232 serial ports
- Transmit serial data over an IP network
- Baud rate up to 230 kbps
- Serial Ip port redirection software to support PC applications statistics and built-in sniffer for trouble shooting
- Enable/ disable ports
- VLAN (802.1Q) to segregate and secure network traffic
- SNMPv3 authentication and 56bit encryption
- Integrated ethernet switch – up to 4 ports
- High performance through ethernet switching
- Fully IEEE802.3, IEEE802.3u, IEEE802.3x compliance
- Remote dial up access
- -40 deg Celsius to +85 deg Celsius operating temperature
- 18 AWG galvanized enclosure
- Fully integrated power supply
- 24VDC (10-36VDC), 48VDC (36-59VDC)
- Simple plug and play operation - automatic learning, negotiating and crossover detection
- Web-based, Telnet, CLI management interfaces
- Remote monitoring
- Convert modbus RTU to TCP
- 2KV isolation per port
- Fiber and copper ports
- Failsafe output relay
- Integrated cyber security feature
- Remote monitoring
- Non blocking, store and forward switching
- Point to point and multi point modes

5.1.3 MEDIA CONVERTER – RJ45 TO SFP

- Connector type – RJ45, SFP
- Operating voltage – AC100-220V or 5vDC(included)
- Power consumption – 3 watts
- Storage temperature - -40degrees cel to 70 degree cel
- Working temperature – 0 to 50 degree cel
- Dimensions – 94mm x 70mm x 22mm
- Ethernet speed – 10/100/1000base – T
- SFP speed – 1000base - X

5.1.4 CARD READERS (XMP-TMC2350/620)

Technical Data:

- Case: ABS material (impact-proofed housing)
- Colour: Silver RAL9006/9007
- Dimensions (LxWxH): 90 x 90 x 21mm
- Protection type: IP 54
- Supply voltage: 10-24 V (AC / DC)
- Current consumption: Approx. 110 mA / 12V DC
- Environmental conditions: From -20°C to +60°C operation and from -25°C to +70°C storage
- Interfaces: RS 485 (2 wire)
- Processor: M16C, 16 Bit; 16 MHz; CMOS-Design Program
- Memory: RAM 20Kb Flash-Memory 256kB

5.1.5 CONTROLLERS (XMP-K32)

Technical Data:

- 512 MB RAM
 - 512 MB compact flash card
 - 10/100 MBit Ethernet-Interface
 - Power input: 110 - 240 Volt AC 50 Hz
 - Power input circuit board: 10-30 Volt DC
 - Consumption: 100 Watt maximum load
 - 12V (Board): 6 Watt idle
 - 24V (Board): 6,3 Watt idle
 - NT12V (230V): 32 Watt idle
 - NT24V (230V): 34 Watt idle
- 2 x RS-485, 2 x USB 2.0
- Connect up to 4 reader terminals (power supply and communication)
 - Connection of 16x KDM16 and 8x KDA24 expansion modules to separate RS485 interface
 - 16 supervised inputs with the states off, on, short circuit and interruption (0 .3)
 - 8 digital outputs (relay 2 A max. 12 V/DC or 1 A max. 24 V/AC)
 - Lithium battery (supply of real-time clock during power outage for about 6 months)

5.1.6 POWER SUPPLY INSTALLED FOR ACCESS CONTROL

- Low cost, High reliability
- 100% full load burn in test
- Overload protection
- No minimum load required

- High efficiency, low working temperature
- LED indications – Mains On, Charge on, Output 1,2,3,4,5, OK

INPUT	VOLTAGE / CURRENT		175~240VAC 0.35A
	FREQUENCY		47~63Hz
	EFFICIENCY		80%typ
	INRUSH CURRENT		30A@220Vac
	LEADAGE CURRENT		0.5mA/220VAC
OUTPUT	VOLTAGE (V)		CH1
			+13.5V
	CURRENT (A)		10A
	LINE REGULATION		< ±1.0%
	LOAD REGULATION		< ±1.0%
	RIPPLE (mvp-p)	0~20MHz	<100
	TEMPERATURE COEFFICIENT		< ±0.03%
	OUTPUT VOLTAGE ADJ.		11V ~ 14V
	START – UP TIME		< 2.0 S at 120Vac input/ < 1.0 S at 230 Vac input
	HOLD – UP TIME		< 20ms at 120Vac input/ > 20ms at 230 Vac input
	POWER		135W typ
PROTECTION FUNCTION	O.C.P.		110% ~ 150%
	O.V.P.		---
ISOLATION	INPUT -- OUTPUT		1.5K VAC/min, Cutoff current <5mA
	INPUT – FG		1.5K VAC/min, Cutoff current <5mA
	OUTPUT – FG		0.5K VAC/min, Cutoff current <5mA
ISOLATION RESISTANCE	INPUT -- OUTPUT		50M ,500VDC
	INPUT – FG		50M ,500VDC
	OUTPUT – FG		50M ,500VDC
CONNECTION	INPUT/OUTPUT		5 Individually Fused outputs
DIMENSIONS	LENGTH × WIDTH × HEIGHT (mm)		340 × 240 × 110
BATTERY	INTERNALLY HOUSED		12V 17AH SEALED LEAD ACID
ENVIRONMENT	OPERATION TEMPERATURE		0°C ~ 45°C 20% ~ 90% RH
	STORAGE TEMPERATURE		25°C ~ 85°C 10% ~ 95% RH
BATTERY CHARGING	NON FEEDBACK DIODE		POTENTIAL FREE CHARGE FAIL CONTACTS NC/NO/Com 1A

5.1.7 MAGNETIC LOCKS

- 12V DC/24V DC Magnetic door lock
- 1200lbs – with brackets
- Control panel unit
- Power Supply in Wall Box, 120V, 6A/12V O/P
- Operational Temperature: -20°C to 60°C
- Remote exit switch
- Emergency override switch with siren

5.1.8 BIOMETRIC

- Sensor - Optical sensor protected by resistant glass
- Reliability – Algorithm for fake fingerprint detection
- Resistance – IP54 and IK8 Rating, resistant to water and dust

- Ambient light suppression – Also works in direct sunlight
- Status signalization – Acoustic and with the aid of multicoloured LED
- Sensing area – Large with dimensions of 15.24 x 20.32 mm
- Operating temperature – -20°C to 55°C
- Dimensions – 99W x123H x 47D mm
- Weight – 0.40kg
- Weight – 0.70kg
- Luxury Design

5.1.9 ALARM SYSTEMS

5.1.9.1 CONTROL PANEL

Technical data:

- 8 zones expandable to 32
- partitions
- 64 user codes
- integrated communicator
- wireless expansion compatibility
- remote control via mobile
- or touch-tone phone

5.1.9.2 KEYPAD

Technical Data:

- Premier Elite Series Compatible
- Premier Series Compatible
- Green LCD Screen
- Touchtone Keys
- Backlighting

- Additional Zones
- Programmable Outputs
- Extension Speaker

5.1.9.3 TRANSFORMER 40VA 16V

- 15 AMP
- Input Voltage :220VAC
- Output Voltage 16V

5.1.9.4 COMMUNICATOR INTERNET

- Panel remote uploading downloading via network
- Programmable using DLS 5 or keypad
- Supervision heartbeat via internet
- Full event reporting
- PC link connection

5.1.9.5 MAGNETIC DOOR SENSOR

- Magnetic door contact
- Surface mount
- Normally closed

5.1.9.6 PASSIVE INFRARED RED SENSOR

- Coverage 12m x 12m.
- Temperature compensation.
- Easy installation.
- Selectable pulse count (1,2,3)
- White light protection
- LED optical prism

5.1.9.7 EMERGENCY PUSHBUTTON

- Normally closed and normally open.

5.1.9.8 SIREN

- Operating voltage: 6 - 12VDC
- Current draw: 600mA
- 15W horn with built-in siren driver
- 108dB at 1 meter
- Weather-resistant, ABS plastic design
- Colour. White

5.1.10 CCTV CAMERA TYPES:

5.1.10.1 IR DAY NIGHT CAMERA OR SMILIAR (DF4920HD-DN/IR DALLMEIER)

- 1/2.5" 5-megapixel CMOS image sensor
- Pure Digital Signal Processing
- Real-time Full HD video (1080p/30)
- Automatic Day/Night switching supported by integrated ambient light sensing and ICR1) function
- Homogeneous IR (infrared) illumination provided by integrated semicovered 850nm high power LEDs
- IR illumination range up to approx. 25meters with a beam angle up to approx. 50 degrees
- Motor-driven megapixel varifocal lens (F1.2–F2.3 / 3–9mm)
- Resolution: SD (up to D1), HD (720p, 1080p, 2MP, 3MP)
- Video compression: H.264, MJPEG
- Voltage supply via PoE (Class 0, IEEE 802.3af)
- Weather-proof
- Outdoor wall mount bracket (with internal cable routing)

5.1.10.2 IP DOME CAMERA OR SIMILAIR (DDF4500HDV DALLMEIER)

- 1/2.5" 5-megapixel CMOS image sensor with Cam_inPIX® technology
- Electronic Day/Night switching1)
- Resolution: SD (D1), HD (720p, 2MP)
- Video compression: H.264, MJPEG
- Hybrid IP camera with analogue preview output

- Voltage supply with 12V DC or via PoE (Class 0)
- Two available mounting variants:
 - in-ceiling mount (IM) or surface mount (SM)
- IP67 (surface mount variant)
- DIN EN 50130-4 compliant

5.1.10.3 16 PORT KVM SWITCH OR SIMILAIR

Features:

- 16 professional VGA KVM cables included
- Built with 4x USB 2.0 ports with RS232 and Ethernet 100M, supports resolution up to 1920x1440
- Switch by buttons, hotkeys, OSD menu, web IP, or customer terminal (KVM management platform)
- Remotely access computers via LAN, WAN or Internet via the Windows or Java browser clients
- Built with buzzer and LED indicators, support Auto-scan.

5.1.10.4 10 PORT POE NETWORK SWITCH OR SMILIAR (ISMP-822G-AT)

General:

- Redundant Ethernet Ring : R-Ring (recovery time < 10ms over 250 units of connection)
- 8 Ports of P.S.E. that are fully compliant with IEEE802.3at standard, provides upto 30Watts per port in total of 240Watts
- Provide PoE power on delay function, user can define delay time for PoE power supply
- Supports two Gigabit combo port
- MSTP/RSTP/STP (IEEE 802.1s/w/D)
- Support PTP Client (Precision Time Protocol) clock synchronization
- IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic
- Port Trunking for convenience of bandwidth management
- SNMP v1/v2c/v3 support for secured network management

- RMON for traffic monitoring
- Supports DDM (Digital Diagnostic Monitoring) function
- Event notification through Syslog, Email, SNMP trap, and Relay Output
- Port lock to prevent access from unauthorized MAC address
- Windows utility support centralized management and configurable by Web-based, Telnet, and Console (CLI)
- Supports LLDP (Link Layer Discovery Protocol)
- Rigid IP-30 housing design
- DIN-Rail and panel mounting enabled

5.1.10.5 24 PORT POE NETWORK SWITCH OR SIMILAIR (G8244 WS)

General:

- 24-Port 10/100/1000Base-TX High Power PoE with 4 combo UTP/SFP open slot
- Web-based Configuration and Management
- Support IEEE 802.1Q VLAN Tagging
- Support 802.1p Priority Queues
- Support Jumbo Frames 9.6K
- Support IGMP Snooping v1/v2/v3
- Support Link Aggregation and Spanning Tree
- Support SNMP function
- z Internal power supply (100-240VAC)

5.1.10.6 48 VOLT POWER SUPPLY OR SIMILAIR (DR -120-48)

General:

Output

- DC output voltage: 48 V
- Cutput current: 1.6 A
- Current range 0-2.5 A
- Output power: 120 W
- Adjustable voltage range: 28-53 V
- Voltage tolerance: 1.0%
- Voltage regulation: 0.5%
- Stabilization load: 1.0%
- Stabilization, rise time: 500 ms, 70 ms ms/230 500 VAC, 70 VAC ms/115 at full load
- Time overlay network failure (Typ.): 36 ms / 32 ms 230 VAC / 115 VAC at full load

Input

- Input Voltage: 100 ~ 120 VAC / switch selectable 200 ~ 240 VDC
- Frequency Input Voltage: 47 ~ 63 Hz
- Efficiency (Typ.): 85%
- Input Current (Typ.): 3.3 A/115 VAC 2 A/230 VAC
- Inrush (surge) current (Typ.): "Cold Start" 20 A/115 A/230 VAC 40 VAC
- Residual current: <3,5 mA / 240 VAC

Protection

- Overloading: 105 ~ 150% output power

Protection type: Constant current limit, recovery after removal of defects

- Overvoltage's: 58 ~ 65 V

Type of protection: overvoltage shutdown, automatic restart after fault removal

- Overheating: 90 ° C ? 5 ° C (TSW1)

Type of protection: Switch off power, automatic restart after temperature drop

5.1.10.7 24 PORT FIBER SWITCH OR SMILIAIR (S5700-28X-LI-24S-AC)

General:

- Product Code:S5700-28X-LI-24S-AC
- Ports: 24 x GE SFP ports, 4 x Combo 10/100/1,000 Base-T Ethernet ports, 4 x 10 GE SFP+ ports
- Forwarding Performance: 96 Mpps
- Switching Capacity: 256 Gbit/s
- MAC Address Table: 16K MAC
- VLAN Features: 4K VLANs
- Power: AC Power Supply
- Dimensions (W x D x H): 44.2 cm x 22 cm x 4.36 cm

5.1.10.8 NVR RECORDER DALLMEIER OR SIMILAIR (ISP-2400)

Features Hardware

High performance server hardware with Multi-Core CPU

Flash memory for operating system

Suitable for up to 24 SD, HD or megapixel video channels

High storage capacity due to integrated storage system

High recording speed due to concerted components

Easy-Change functionality for hard disk drives (hot-swap³)

Components optimized for SMAVIA Recording Server

19" bracket included in delivery

Features SMAVIA Recording Server

Licenses for the recording of 8 HD cameras or Panomera® Channels included

Basic license for the access of a SMAVIA Viewing Client included

Free conversion of the basic license to a floating license on acquisition of additional access licenses

License for updating the SMAVIA software for 12 months included

License for SEDOR® Camera Sabotage Protection included

License for the connection to SNMP systems included

License for the recording of multicast video streams included

License for real-time recording included

EdgeStorage & SmartBackfill supported

Network scanning (IP Finder) supported

Recording of third-party IP cameras with motion detection optional²)

Configuration of third-party IP cameras via ONVIF protocol optional²)

PRemote-HD in real-time optional

Evaluation with SMAVIA Viewing Client or SeMSy® via Ethernet

Specifications Hardware

Components

CPU: Multi-Core

RAM: 4 GB

Flash module: 2 GB (for operating system only)

Hard disks: Max. 8x 3.5" HDD (optional)

Max. storage capacity: Currently up to 48 TB (without RAID)

Fan: 3x with automatic speed adaptation

Power supply unit 1: Integrated

Power supply unit 2: Integrated

Power supply unit 3: Optional (hardware 001710, required for redundant operation)

Interfaces

VGA connector: 1x Mini-D-SUB, only for configuration (resolution 1920 x 1080)

AUX / Line IN: 1x 3.5 mm phone jack

Microphone IN: 1x 3.5 mm phone jack (for intercom, license 003801 required)

Audio OUT: 1x 3.5 mm phone jack (for intercom, license 003801 required)

USB: 9x USB 2.0 (8x rear side, 1x front side)

Ethernet 1: RJ45, 10/100/1000 Mbps

Ethernet 2: RJ45, 10/100/1000 Mbps (optional, license 003803)

Ethernet protocols: IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP

Contact IN: 4x, with galvanic isolation, only for switch / push button (dry contact), with 4 functions each

Relay OUT: 4x, with galvanic isolation, max. 12 V DC / 24 V AC / 0,5 A, 150 mOhm, as NC or NO

Serial: 1x RS232

PS/2: Mouse, keyboard

Electrical Data

Voltage supply: 115/230 V AC $\pm 5\%$, 50/60 Hz

Power consumption: Max. 230 W

Thermal output: Max. 785 BTU/h

Mechanical Data

Dimensions: (W x H x D) Approx. 483 x 133 x 533 mm (19.0 x 5.3 x 21.0 inches)

Weight Approx.: 20 kg (44 lbs) with 8 HDDs

Ambient Data

Temperature: + 5°C up to +40°C (41°F – 104°F)

Recommended temperature: +20°C up to + 25°C (68°F – 77°F)

Humidity: 5 – 70% RH, non-condensing

Atmospheric load: Dust-free

Approvals and Certifications: CE, UL, FCC, ACA, LGC Forensics, DIN EN 50130-4

Specifications Software

Software

Operating system: Linux (proprietary, hardened)

Application: SMAVIA Recording Server

Application language: English, German, French, Spanish, Italian (others on request)

External management software: SMAVIA Viewing Client, SeMSy® III

DMVC: App (optional, license for PRemote-HD 003801 required)

External configuration software: PService

Performance in Connection with IPS 2400

Channels: Up to 24x IP channels (SD, HD, Megapixel)

Channels: Licenses for 8 channels included, expandable to up to 24 channels

Supported cameras: Dallmeier Panomera® multifocal sensor systems, Dallmeier IP cameras via TCP/DaVid (Dallmeier video protocol), Third-party IP cameras with RTSP streaming over UDP/RTP8)

Track mode: Automatic

Video/Audio compression: H.264 / G.722.1

Resolutions: SD IP QCIF (176 × 144), CIF (352 × 288), Half D1 (352 × 576), 2CIF (704 × 288), 4CIF (704 × 576), D1 (720 × 576)

Resolutions: HD IP 720p (1280 × 720), SXGA (1280 × 960), 2 MP (1600 × 1200) 1080i (1920 × 1080), 1080p (1920 × 1080)

Resolutions megapixel: 3 MP (2048 × 1536), 4 MP (2336 × 1744), 5 MP (2592 × 1944), up to 8 MP

Frame rate per SD IP channel: 6.25 / 12.5 fps / 25 fps

Frame rate per HD IP channel: 6.25 / 12.5 fps / 25 fps

Frame rate per RTSP IP channel: Up to 25 fps

Max. total bit rate: Up to 144 Mbps

Bit rate per SD IP channel: Up to 4 Mbps

Bit rate per HD IP channel: Up to 6 Mbps

Bit rate per RTSP IP channel: Up to 6 Mbps

Features

Privacy Zones Integrated (directly in Dallmeier IP cameras)

DMVC server Integrated (PRemote-HD license 003801 required)

5.1.11 CABLE AND WIRING FOR CCTV

- Video signal shall be transmitted via: Fiber and UTP
- Steel armoured 62/125 loose tube fibre-optic cable, minimum 6 fibres.
- Category 6 UTP outdoor cable.
- All terminations shall have boots and shall be numbered with plastic, coloured ring markers.
- UTP cables and cameras must labelled accordingly

- Cabling routes are to be finalised within three days of site hand-over and drawing must be approved by the technical officer.
- Track-crossing sleeves, done by other, shall be confirmed by the security specialist prior to the finalisation of cable routes. 2.5mm stranded two-core plus earth cables are used to power cameras on 12V/24V DC.
- All cameras should be UTP power (POE).
- Spare draw wires must be pulled between all manholes for future purposes. (Nylon ski rope)

5.1.12 VIDEO MANAGEMENT SYSTEM (VMS) SYSTEM ARCHITECTURE (SEMSY)

- The system shall be of an enterprise nature, able to manage multiple sites remotely.
- The system shall provide a complete, remote setup and maintenance client.
- The system shall not rely on remote desktop applications for remote connection.
- The system shall not require a dedicated management server, thus requiring less hardware.
- The system shall not require a dedicated SQL database for recording.

5.1.13 THE SYSTEM SHALL BE OF A 'CLIENT/SERVER' NATURE WITH THE FOLLOWING COMPONENTS:

5.1.13.1 Recording Management Servers.

5.1.13.2 On and off-site client viewing and management stations.

5.1.14 VIDEO WALL AND VIDEO DISPLAY UNIT:

5.1.14.1 The system shall provide Video Wall software to be run on computers dedicated to showing video feeds.

5.1.14.2 The system shall be capable of controlling multiple monitors attached to multiple computers from a single point via a MIMIC panel

5.1.14.3 The system shall be able to drag-and-drop cameras into place for display on the video wall from sites other than the monitor site.

5.1.14.4 The system shall allow administrators to configure video wall camera layouts, tour of layouts (salvo), and access rights to video walls

5.1.14.5 The system shall be capable of running in a virtual machine environment.

- 5.1.14.6** The system shall be aware of running in a virtual server environment and will have knowledge of the underlying hardware.
- 5.1.14.7** The system shall be licensed for use with the application of various site-wide licenses.
- 5.1.14.8** The system shall be easily expandable by the addition of IP camera, 3rd party systems integrations, video analytics, and/or analogue system hardware licenses.
- 5.1.14.9** The system shall provide certain built-in features which may be unlocked for use with a software key, enabling quick activation of the required features.
- 5.1.14.10** The system shall be easily upgradeable to later versions via a CD, USB key, or other similar means.
- 5.1.14.11** The system shall be easily expanded by the addition of recording servers, viewing and management servers and storage.
- 5.1.14.12** CCTV system must be interfaced to the current PRASA security Systems

5.1.15 RECORDING, ARCHIVING AND STORAGE RECORDING THE SYSTEM

- 5.1.15.1** Recording frame rates of more than 30 frames per second, depending on camera capabilities.
- 5.1.15.2** Recording to various, configured databases.
- 5.1.15.3** User-initiated recordings.
- 5.1.15.4** Users with the correct access rights may manually trigger a recording.
- 5.1.15.5** Event recording.
- 5.1.15.6** Events may be configured to trigger a recording on the relevant camera.
- 5.1.15.7** Scheduled recordings.
- 5.1.15.8** Cameras may be set to record on a fixed schedule.
- 5.1.15.9** Continuous recording.
- 5.1.15.10** Devices (such as integrated devices and cameras) are continuously recorded and create time markers in the recording.

5.1.15.11 The system shall provide a screen recording feature, which enables the recording of any computer screen connected to any Windows/Linux computer.

5.1.15.12 This will be recorded to the VMS as if it were a standard IP camera.

5.1.15.13 The storage capacity shall be 4 terabytes per site.

5.1.15.14 The system must also allow for motion detection recording

5.1.15.15 System should also have LRP(License plate recognition) features

5.1.16 LIGHTNING AND SURGE PROTECTION:

5.1.16.1 The contractor shall supply and install approved surge protection devices to all data cables and power cable where none of these functions.

5.1.16.2 Lightning protection shall be installed to the 8m poles for outdoor cameras or to be replaced on the existing lightning protection box.

5.1.16.3 For indoor cameras, a designed rack for lightning protections to be used

THE LIGHTNING PROTECTION SHALL COMPRISE OF:

5.1.16.4 Air terminals

5.1.16.5 Insulated earth wire & Copper coated earth rods

5.1.17 43U 19INCH RACK CABINET

Rack Height 43U	600 X 600 mm
Net Weight	103.2 kg
Maximum Height	2120 mm
Maximum Width	600 mm
Maximum Depth	600 mm
Shipping Weight	133.2 Kg
Shipping Height	2150 mm
Shipping Width	630 mm
Shipping Depth	630 mm
Weight Capacity (Static Load)	1363.64 kg
Weight Capacity (Dynamic Load)	1022.73 kg
Minimum Mounting Depth	262.00 mm
Maximum Mounting Depth	450 mm
Colour	Black

5.1.18 SMOKE DETECTORS

5.1.18.1 Analogue Addressable Multisensors

5.1.18.2 Multisensors shall comply with standard ISO 72401-15.

5.1.18.3 The Multisensors sensors shall incorporate photoelectronic optical smoke sensors, and high sensitivity thermal sensors, software interlocked to provide early warning from all types of smoldering and thermal fires.

5.1.18.4 Multisensors shall be able to be operated by the control software as combination multisensing devices, or as smoke sensors only, thermal sensors only

5.1.18.5 The smoke element shall be of the light scattering type using a pulsed internal LED light source and a photocell sensor.

5.1.18.6 The thermal element shall utilise high sensitivity, high speed thermistors optimised to measure small changes in temperature, and rate of change.

5.1.18.7 The elements shall measure both absolute smoke and thermal levels, but also rate of smoke and thermal change. The smoke and thermal elements must

report independently to the control panel and must be software interlinked to enable intelligent high-level decision-making.

5.1.18.8 The detector shall be capable of operating within the following environmental limits:

Description	Value
Temperature operating range	–20°C to +60°C.
Humidity operating range	0% to 95% RH (excluding condensation)
Wind	Not affected

5.1.19 4 ZONE CONVENTIONAL FIRE PANEL OR SIMILAIR

- 1 loop 4 zone fire panel
- Networkable up to 64 zones
- Supervised outputs
- Removable parts for easy install and maintenance

5.1.20 HEAT DETECTOR OR SIMILAIR

- Analogue sensing – reduces false and unwanted alarms
- Addressable – system knows the status and location of every sensor
- Automatic self test
- EN54 Part 5 approved and CPD certified

5.1.21 ALARM BELL 8' INCH OR SIMILAR

- Suitable for outdoor use
- Slim profile
- Low current consumption – 20mA
- Quick and easy installation
- Diode polarised

5.1.22 ALARM MONITORING SYSTEM CURRENTLY INSTALLED

- 5.1.22.1** Monitoring system must provide remote system which is constantly monitored and informs on the status of one or more alarm signals being transmitted from various locations.
- 5.1.22.2** The system must also receive, acknowledge, processes and indicates signal messages from alarm systems.
- 5.1.22.3** The system must also have sound activations for high priority alarms so that the operator is aware of the alarm
- 5.1.22.4** The current intruder alarm system is the Babylon system which also integrates with the access control system.
- 5.1.22.5** ATS(Automatic Transfer Switch) installed at each site for communication to the control room for remote access via the ATS8600 program for the fire alarm system

5.1.23 HUMAN FACTOR ERGONOMICS REQUIREMENTS

- 5.1.23.1** The ISO 11064 standard shall be applied in the implementation of the CCTV control room for human factor design on ergonomics as indicated in the

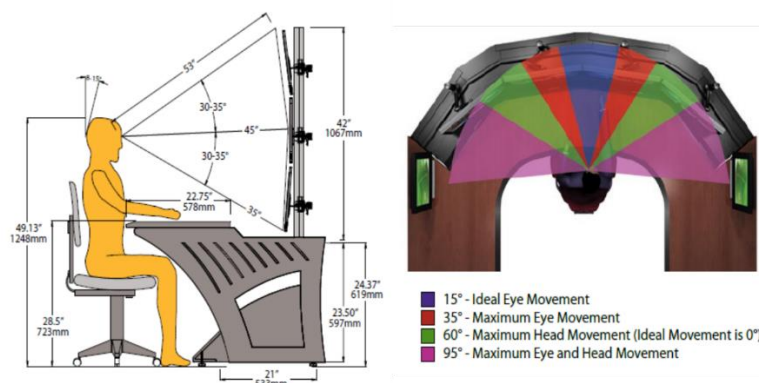


FIGURE 5.1.26: Best viewing angles for an operator

5.1.23.2 Camera switching shall be fast and efficient with not more than 0.5 seconds delay between switching from one camera to another.

5.1.23.3 Prior to selecting the CCTV monitor(s), control strategies will be developed to ensure maximum efficiency in terms of operational surveillance.

5.1.23.4 The existing cameras and monitors will be considered in developing new control strategies and where appropriate, existing strategies will be modified to accommodate the new installation.

5.1.23.5 The design objective should be to minimise the number of monitors required by implementing control strategies including alarm activation, environmental sensing, intelligent programming and sequencing, and thereby reduce the dependency on the security operators to identify alarm conditions.

5.1.23.6 The contractor shall review and integrate the newly designed Corridor security CCTV and Intrusion detection system with the existing for seamless management platform, required upgrades or modification shall be implemented if required.

5.1.24 The security operator workstation shall be programmed to perform the following functions:

5.1.24.1 Alarm management

5.1.24.2 Manual control of cameras

5.1.24.3 Automatic sequencing and control

5.1.24.4 Display of activated cameras

5.1.24.5 Reporting and Database management.

5.1.25 CABLES AND WIRING – GENERAL

5.1.25.1 For the wiring of all types of intercoms, alarms system, audio and visual equipment's.

5.1.25.2 It can withstand the temperature range of - 10°C to 70°C.

5.1.25.3 All cables used, shall be 600/1000 V rating and shall be in accordance with SABS 1574.

5.1.25.4 All multicore cables shall be PVC insulated, PVC sheathed, and PVC covered.

- 5.1.25.5 Cables shall be installed in 110 mm PVC Ducting or unless authorized by the Project manager
- 5.1.25.6 Speaker cable should be 1.5mm 4 core
- 5.1.25.7 Power cable from equipment room to mini kiosks should be 2.5mm 3 core surfix
- 5.1.25.8 Alarm cable 2, 4, 6, 8 core alarm cable at 0.22mm
- 5.1.25.9 Fire alarm cable - Prysmian 2 core 1.5mm red cable, LSZH sheath with reduced flame propagation
- 5.1.25.10 Access control cable – mylar 4 core and 8 core cable at 0.22mm
- 5.1.25.11 EDB cable – RS485 4 wire at 0.22mm

5.1.26 PVC CONDUITS/SPRAG

- 5.1.26.1 25 mm, PVC Conduit/sprag, Used for data cables and communication/ Speaker cables.

5.1.27 RJ45 CONNECTORS.

- 5.1.27.1 An 8-pin/8-position plug or jack is commonly used to connect computers onto Ethernet-based local area networks (LAN).
- 5.1.27.2 Two wiring schemes–T568A and T568B–are used to terminate the twisted- pair cable onto the connector interface.

5.1.28 SURGE PROTECTION PLUGS

- 5.1.28.1 Max total combined surge current (Amps): Medium surge level (16000), High surge Level (26000 – 30000), Extra High Surge level (72000).
- 5.1.28.2 Max total combined surge energy (joules): Medium surge level (458), High surge Level (620 – 909), Extra High Surge level (1836).
- 5.1.28.3 Protection component response time (in Sec): Medium surge level (< 25), high surge Level (< 25), Extra High Surge level (< 25)
- 5.1.28.4 Insulated earth wire & Copper coated earth rods

5.1.29 UPS 10KVA POWER BACKUP

- 5.1.29.1 High-Performance uninterruptible power supply.
- 5.1.29.2 Designed to prevent blackouts, brownouts, sags and surges from reaching sensitive equipment.
- 5.1.29.3 Nominal Output Voltage: configurable for 220, 230 or 240Vout.
- 5.1.29.4 Output Frequency (sync to mains): 50/ 60 Hz
- 5.1.29.5 Output Power Capacity: 8000W
- 5.1.29.6 Nominal Input Voltage: 230 V or 400 V
- 5.1.29.7 Input Frequency: 45 – 65 Hz (auto sensing)
- 5.1.29.8 Battery Type: Maintenance-free sealed lead-acid battery with suspend electrolyte: leak proof.
- 5.1.29.9 Control panel: LEDs
- 5.1.29.10 Remote access to UPS for fault finding

5.1.30 BATTERY PACK

- 5.1.30.1 An external battery packs.
- 5.1.30.2 Provides continuous power until utility power returns to safe levels or the batteries are fully discharged.
- 5.1.30.3 Battery type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leak-proof.
- 5.1.30.4 Battery mounting: Standalone battery stack
- 5.1.30.5 Expected Battery Life (3-5 years)
- 5.1.30.6 Battery Volt-Amp-Hour Capacity – 1920VA
- 5.1.30.7 Battery blocks per string – 16.

5.1.30.8 Operating Environment: 0 - 40 °C

5.1.31 43U 19INCH DATA CENTRE RACK CABINET WITH 12 WAY MULTI POWER PLUGS

5.1.31.1 This rack features a range of aesthetic enhancements and features including ventilated front and rear panels.

5.1.31.2 Fully configurable to customer requirements.

Rack Height 43U	800 x 1,2m 24"
Net Weight	189 Kg
Maximum Height	2120 mm
Maximum Width	800 mm
Maximum Depth	1200 mm
Shipping Weight	210.9 Kg
Shipping Height	2150 mm
Shipping Width	830 mm
Shipping Depth	1230 mm
Weight Capacity (Static Load)	1363.64 kg
Weight Capacity (Dynamic Load)	1022.73 kg
Minimum Mounting Depth	262.00 mm
Maximum Mounting Depth	1000 mm
Colour	Black

5.1.32 CHAIR DESCRIPTION

- Highback chair with tilt mechanism
- Stabilizing bar for extra strength
- Gas height adjustment
- High quality, 100% soft leather
- Extra thick seat & back cushioning with high density foam
- Chrome pyramid base

- Maximum weight = 130kg

5.1.33 PA SYSTEM SPECIFICATIONS

5.1.33.1 AMPLIFIER SPECIFICATION OR SMILIAR (BITTNER XV 400)

- High Tech SMT Design
- Protection Circuits: DC, LF, HF, Thermal, Short Circuit, Current Limiter, 3 ms Muting Delay
- High-End Toroidal Output 100V Transformers
- LED Indicators for POWER, SIGNAL, CLIP, PROTECT and OVERHEAT
- Temperature controlled, variable speed low noise fans
- Volume Controls at the back
- Stereo / Parallel Mode
- Softstart
- Sequential Remote Power On
- Alive Contact
- Ground Lift

5.1.33.2 MICROPHONE/ DIGITAL CALL STATION OR SIMILAR (DCS PLUS – HONEYWELL)

- High failure safety due to redundant transmission route
- Cost-effective CAT5 cabling
- Electret gooseneck microphone with cardioid pattern
- Exchangeable gooseneck microphone with protection by using a specific tool to lock/unlock
- Permanent monitoring of the microphone and cable
- Mechanical protection against cable disconnection
- Build-in loudspeaker for monitoring and for intercom operation between other paging stations
- Independent additional audio input/output e.g. for audio player
- 12 freely configurable keys with independent programmable LEDs

5.1.33.3 DIGITAL OUTPUT MODULE OR SIMILAR (DOM – HONEYWELL)

- Compliant with EN 60849 and EN 50849
- EN 54-16 certified
- 16 audio slots giving a total of 1 hour memory
- independent amplifier channels suitable for use with spurs, zones or loop technology. Built in parametric equalizer, compressor limiter and delay function (upto 9.9 seconds)
- All functions of an alarm and evacuation system
- Network into a large system via Ethernet connection
- Offers full monitoring of the system functions
- Automatic and dynamic switching to redundant emergency amplifiers
- Automatic volume control (AVC) even during announcements
- Remote monitoring and configuration via the network
- 24 V DC emergency power supply

5.1.33.4 UNIVERSAL INTERFACE MODULE OR SIMILAR (UIM HONEYWELL)

- EN 54-16 certified
- Two analog audio inputs/outputs
- 48 contacts freely programmable as inputs and outputs
- Digital Audio link (DAL) to DOM

5.1.33.5 OUTDOOR SPEAKER OR SIMILAR (CS304 TOA)

- Rated Input: 30 W
- Rated Impedance: 100 V line: 330 Ω (30 W), 500 Ω (20 W), 1 k Ω (10 W)
70 V line: 170 Ω (30 W), 330 Ω (15 W), 500 Ω (10 W), 1 k Ω (5 W)
- Sensitivity: 98 dB (1 W, 1 m)
- Frequency Response: 120 - 15,000 Hz
- Speaker Component: 12 cm cone-type
- Horizontal Directivity Constant directivity horn 90° ($\pm 45^\circ$ horizontal from front axis): 93 dB or more (1 W, 1 m), 3 kHz at $\pm 45^\circ$

- Speaker Cord: 2-core cabtyre cord with diameter of 6 mm
- Operating Temperature: -20°C to +55°C
- Dust/Water Protection: IP65
- Finish: Horn, cover: ABS resin, off-white, paint
- Bracket: Stainless steel
- Net: Aluminum, gray, paint
- Screw: Stainless steel
- Dimensions 366 (W) × 230 (H) × 272 (D) mm
- Weight 3.1 kg

5.1.34 TRENCH DIMENSIONS ON PLATFORMS

- 5.1.34.1** Cut and remove tar 400 mm wide with two parallel Cuts. The tar is to be cut with a concrete saw to ensure that the edges are neat, per platform x 300m.
- 5.1.34.2** All trenching shall be excavated to a depth of 500mm and 400mm wide.
- 5.1.34.3** Sharp edges in the trench must be removed.

5.1.35 BEDDING AND PADDING

- 5.1.35.1** The trench must be laid with padding of 150 mm of approved material before cable laying is commenced.
- 5.1.35.2** The soft material must pass through a 12 mm riddle, before the flexible conduits are installed.
- 5.1.35.3** Padding can only be placed in the trench once the Site Manager is satisfied that the 75 mm and 110mm flexible conduit are installed properly.
- 5.1.35.4** The padding material will consist of the same material as the Bedding used before.

5.1.35.5 A layer of Padding must be placed on the installed flexible conduit and tampered by hand.

5.1.35.6 No mechanical device is allowed at this stage. The force of these types of machines can deform and damage the flexible conduit and cables.

5.1.36 BACK-FILL

5.1.36.1 Once the Padding is installed properly, the trench can be backfilled with the remaining material that was excavated from the trench.

5.1.36.2 No large rock must be used as backfill material; the Site Manager must ensure that any material that can potentially damage the ducts must not be allowed as backfill material.

5.1.36.3 Supply of Tar asphalt hot mix to complete backfill.

5.1.36.4 A mechanical tamper (Petrol Rammer) must be used to ensure that the compaction is done properly.

5.1.37 REINSTATEMENT

5.1.37.1 The compacted surface must be cleaned of any remaining material. The surface should be raked; and all additional material must be removed from site.

5.1.38 ROUTE LAYOUT

5.1.39.1 The route should be laid on the surface of a platform.

5.2.39.2 Manholes should therefore not be placed more than 60 meters apart in a 300m platform.

5.2.39.3 At least 3 meters of flexible conduit slag should be left at the position where the manhole will be built; only after this construction of manhole is done can it be

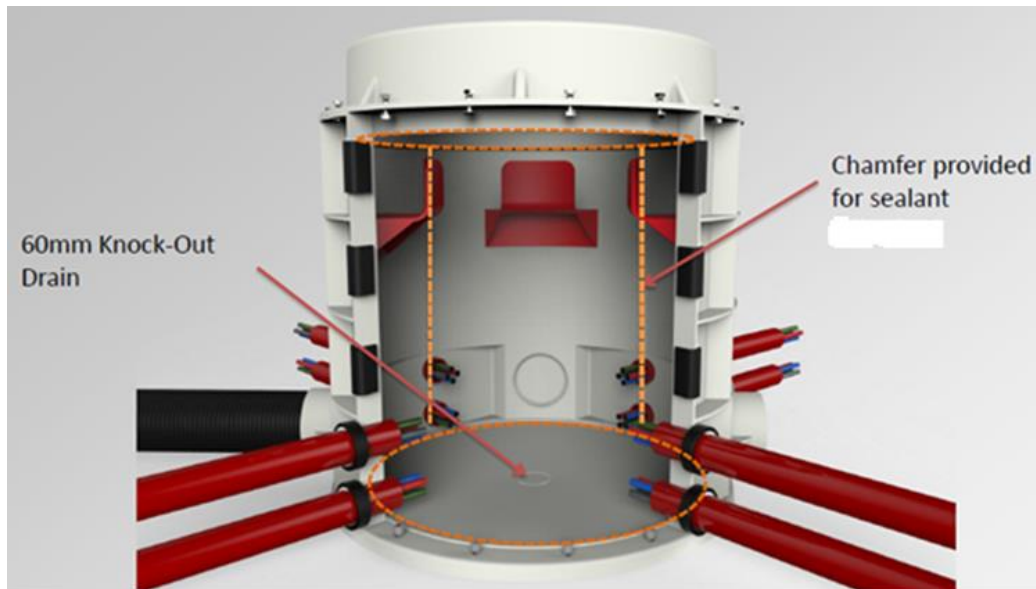
cut to length. All un-used conduits must overlap inside the manhole, to be jointed at a later stage.

5.1.39 T-OFF POINT FROM MAIN ROUTE

- 5.1.39.1 Only certified contractors with the necessary permission from the local Per-way office will be allowed to do the construction under the rail.
- 5.1.39.2 All routes must enter the building underground. If not possible due to construction restraints (possible damage to foundation est.) can the contractor apply to secure the final entry on the outside of the building.
- 5.1.39.3 Should this route be used as a redundant route, must the contractor ensure that the entry point to the building of two routes be kept apart as far as possible.

5.1.40 MANHOLE SPECIFICATIONS AND DIMENSIONS

- 5.1.40.1 Manholes shall be installed as per site conditions.
- 5.1.40.2 Manhole dimensions: 450mm width x 650mm Depth.
- 5.1.40.3 The manhole must be fiberglass and fire resistant.
- 5.1.40.4 Integrated solution by design and manufacture.
- 5.1.40.5 Quality assured, certified, and tested product.
- 5.1.40.6 No or minimal metal content including lock.
- 5.1.40.7 Effectively packaged product – ease of handling, stacking, transporting.
- 5.1.40.8 Ease of installation (civil installation resource and skill set)
- 5.1.40.9 High security solution with impact resilience



5.1.41 TOP SURFACE/FINISH

5.1.41.1 Any completed manhole shall have the top surface leveled with the adjacent platform more especially for manholes on walkways and services roads with permanent markings.

5.1.42 FRAMES AND COVERS

5.1.42.1 Manhole Cover material: UV stabilised SMC - 30% glass fibre content

5.1.42.2 Frame material: UV stabilised SMC - 30% glass fibre content Additional components: UV stabilised SMC - 30% glass fibre content.

5.1.42.3 Covers and frames shall be load tested to specifications as set by the SABS. This test shall be done by the supplier / manufacturer and a test report shall be provided.

5.1.42.4 Cover shall have a secure locking system with a key system dedicated to PRASA.

5.1.43 SECURING

5.1.43.1 The manhole cover is designed to be used in combination with a GLAM lock but can optionally be fitted with a mechanical locking solution.

5.1.44 SURFACE CONDITION

- 5.1.44.1** The upper surface of the lid is manufactured to be flat within a tolerance of 1% of the clear opening. A raised non-slip pattern with a surface area of 65% of the total surface area is pre moulded onto the lid.

5.1.45 PHYSICAL IMPACT

- 5.1.45.1** The lid assembly is designed to prevent forced entry when hit 20 times with a 16-pound hammer to the centre of the lid whilst fully located and locked in the frame.

5.2 TO BE PROVIDED BY THE CONTRACTOR

- 5.2.1** Site books (each in triplicate) to record All incidents as well as the progress of work during the occupation.
- 5.2.2** All instructions pertaining to the technical details of the work being performed at that time
- 5.2.3** Upon appointment, the contractor shall supply machinery, equipment, material, labour and consumables, etc. necessary for the undertaking and completion of the works to satisfaction of the client.
- 5.2.4** The client will require conformance documentation for each item of material procured by the contractor for installation used in this contract.
- 5.2.5** Any damage caused to the property of PRASA will be for the contractor's account.
- 5.2.6** Before commencing construction in any particular area, the contractor shall verify the positions of services. Where any underground services are shown on the drawings, the contractor shall have the equipment available on site for as long as is necessary to detect and locate such services and, if so ordered, he or she shall excavate by hand to expose such services in areas and in a manner and at a time agreed upon with the Technical officer.
- 5.2.7** Protection of cables- Before any excavations take place near identified service cables, the contractor shall contact the Technical officer. The contractor shall advise the Technical officer at least 7 days in advance of the actual date on which to excavate near any cable. The contractor shall not use mechanical equipment to

excavate within 3m of the estimated position of identified cable and shall, if necessary, expose the cable by means of hand excavation carried out under proper supervision.

5.3 QUALITY ASSURANCE / GUARENTEE

- 5.3.1** Contractors shall submit with the tender offer, descriptive literature consisting of detailed technical specifications, constructional details, and principal dimensions, together with clear illustrations of the equipment offered.
- 5.3.2** Contractors shall submit equipment type test certificates for equipment to be supplied in this contract. These shall be in English.
- 5.3.3** The Project Manager shall be notified timeously for inspection of equipment before it is delivered to site.
- 5.3.4** Testing and commissioning schedules shall be provided for all equipment provided under this contract.
- 5.3.5** The quality control plan shall be submitted and approved by PRASA's project manager.
- 5.3.6** The appointed contractor should provide technical support on all newly installed equipment's for a period of a year after handover.

5.4 RECTIFICATION OF SUB-STANDARD WORK

- 5.4.1** Where the specified standards of workmanship and accuracy are not attained, the Contractor shall rectify at own cost within 7 working days.

5.5 GENERAL

- 5.5.1** Should any claim arise due to damage caused by any action of work by the Contractor to property of PRASA and his employees or any other person/s, the Contractor shall be held liable to settle such claims at his own cost.
- 5.5.2** The contractor shall provide transport, equipment, tools, consumables, supervision, protection and labor necessary to successfully complete the contract.

5.6 SAFETY: HEALTH, SAFETY AND ENVIRONMENT

- 5.6.1** All work in this contract shall comply with the Occupational Safety Act No 85 of 1993, National Environmental management Act 107 of 1997 Act and construction regulation 2014. These items shall all be included in the tendered rates.
- 5.6.2** A copy of the act as well as an approved safety file shall be kept on site for the duration of the project.
- 5.6.3** The Contractor shall comply with all applicable legislation and PRASA's safety requirements adopted from time to time and instructed by the Project Manager. Such compliance shall be entirely at the contractor's cost and shall be deemed to have been allowed for in the rates or total prices in the contract.
- 5.6.4** The Contractor shall report all incidents in writing to the Project Manager. Any incident resulting in the death of or injury to any person on the works shall be reported within 1 hour of its occurrence and any other incident shall be reported within 24 hours of its occurrence.
- 5.6.5** All personnel employed by the Contractor shall have undergone a Health and Safety Induction.
- 5.6.6** Permits to work shall be issued at the cost of the contractor to all personnel on that shall be signed and stamped by the authorized PRASA Official responsible for Risk Management.
- 5.6.7** The Contractor shall make necessary arrangements for sanitation, water, and electricity at these relevant sites during the installation of the equipment.

- 5.6.8** The safety file will be approved only after all the requirements on the checklist are met.
- 5.6.9** The contractor shall be responsible for the safety of personnel on site. The following shall also form part of the safety plan:
- Transportation of equipment and personnel.
 - Transportation, storage, and handling of hazardous equipment
 - The site access certificate shall only be issued (to the successful bidder) after the evaluation and approval of the safety file.

5.7 MEASUREMENTS AND PAYMENTS

- 5.7.1** Claims for payment will be made on a monthly basis.
- 5.7.2** Any rejected and incomplete work will not be paid
- 5.7.3** All rates in the schedule of quantities must be made per unit as requested and should be an all-inclusive rate.
- 5.7.4** The rate quoted by the Tenderer(s) and accepted by PRASA must hold well till the completion of the work and shall not be subject to any escalation due to increase in the local market rates for materials & labor. No claim on this account whatsoever shall be entertained at any stage including the extended period.
- 5.7.5** The client shall retain 10% of all invoices claimed under this contract, this shall be payable at the end of the guarantee period of 52 weeks after the date of handover.
- 5.7.6** The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount of the Preliminaries and any amount in respect of contract price adjustment if provided for in the contract.

5.8 BONDS AND GUARANTEES

- 5.8.1** Surety in the amount equal to either ten percent or five percent of the contract price, as elected by the Contractor, shall be provided by the Contractor for the due and faithful performance by him in terms of the Contract. Such security shall be in the form of:-

- 5.8.1.1** Government or approved Municipal stocks in negotiable form, or
- 5.8.1.2** A deed of suretyship furnished by an approved bank, insurance or guarantee corporation in such form as may be prescribed by PRASA, provided however that the Project Manager may, upon written application by the Contractor, return to the Contractor the whole or part of such security held by PRASA when the retention money has reached an amount which the Project Manager in his sole discretion considers sufficient for the protection of PRASA. PRASA is entitled to hold all or portion of the security until the completion of the contract and expiry of the defects liability and maintenance period.
- 5.8.1.3** Either five or ten percent of the value of the work completed, as reflected by the nett monthly amounts certified for payment, will be retained by PRASA for the due and proper fulfilment of the contract, until such retention money is sufficient, in the opinion of Project Manager, for the protection of PRASA. PRASA is entitled to hold all or portion of the retention money until the completion of the contract and the expiry of the maintenance period.
- 5.8.1.4** Retention money shall be 5 percent when the security referred to hereof is 10 percent, and 10 percent when the said security is 5 percent.

5.9 PAYMENT CERTIFICATE

- 5.9.1** On or after the assessment date, the Supervisor and the Contractor will together assess the quantities of the progress on each item in the Bill of Quantities and complete the Progress Assessment Detail form, where after the Progress Assessment Certificate will be issued.
- 5.9.2** The Contractor shall then submit a VAT invoice and attach the above Progress Certificate for payment by the Employer.
- 5.9.3** Contractor to provide the Employer with the necessary details regarding banking details to enable the Employer to make electronic payments.

5.10 PRICING THE WORKS

- 5.10.1** The contractor is required to provide firm prices/ rates for material and labor for the duration of the contract.
- 5.10.2** The contract period shall be inclusive of the delivery and installation period as well as an additional period of at least one year starting from the date of acceptance by the client of the last unit.

- 5.10.3** The costs for normal servicing shall be reflected separately and shall be paid quarterly for the duration of the service period.
- 5.10.4** The contractor shall make provision for the costs (direct or otherwise) associated with works on, over or adjacent to railway lines. The Contractor is advised to study the requirements of the SPK 7/1 and ensure that all works can be completed in accordance with these requirements.
- 5.10.5** The contract offer shall be based on the rates as indicated in the bill of quantities. The quantities shall be agreed during construction per section.

5.11 PENALTIES

- 5.11.1** If the Contractor fails to complete the Services within the time stipulated in this Contract for completion of Services or a part or portion of Services, the Contractor shall be liable to the Employer for an amount calculated at 0.05% of the Contract Price per delayed Day per order, which shall be paid for every Day which shall elapse between the time for due completion and completion of the relevant Services. However, the total amount due under this sub-clause shall not exceed the maximum of 10% of the Contract Price.
- 5.11.2** The imposition of such penalty shall not relieve the Contractor from its obligation to complete Services or from any of its obligations and liabilities under the Contract,
- 5.11.3** PRASA may set off or deduct from the fees due to the Contractor any penalty amounts due and owing by the Contractor in terms of clause 5.17.1

5.12 MANDATORY SECURITY REQUIREMENTS

- 5.12.1** The Contractor shall provide security personnel for the duration of the contract.
- 5.12.2** All security companies used by the Contractor shall be PSIRA registered with valid letter of good standing.
- 5.12.3** Security personnel shall all be PSIRA registered with a clear criminal record no criminal pending cases and preferably be sourced from the local community.
- 5.12.4** All security officials utilised in this project shall be South African Citizens.
- 5.12.5** All personnel employed by the Contractor including sub-contractors shall have undergone a Health and Safety Induction.
- 5.12.6** Permits to work shall be issued at the cost of the contractor to all personnel on that shall be signed and stamped by the authorized PRASA Official responsible for Risk Management.

- 5.12.7** The security to be provided by the contractor shall be responsible for both the appointed contractor's assets and PRASA's assets on site until the site is handed over to PRASA. A list of all functioning equipment that do not form part of this scope of work will be shared with the successful bidder and shall be signed off by both the successful bidder and PRASA's representative.
- 5.12.8** PRASA assets that shall be guarded by the contracted security includes Permanent way assets, All Train Authorisation on track elements, all train stations (with all assets included) along the section and all functioning equipment along the corridor.
- 5.12.9** Any lost or stolen material shall be replaced by the contractor at his own cost.
- 5.12.10** The contractor shall provide on-site security for personnel and material stock and should ensure that patrols are in place at the section handed over to the contractor and until the completed work is handed over to PRASA. No claims of material or losses shall be lodged with the client for stolen goods during the construction before the completed work is handed over to PRASA.
- 5.12.11** Furthermore, it is the contractor's responsibility to ensure that valuable metal i.e. copper is adequately protected while in transit to and from site.
- 5.12.12** The contractor shall make sure that all material removed from site is quantified, counted, logged in the site diary and that it is co-signed by a PRASA representative on site before it is removed from site.
- 5.12.13** Scrap metal removed from the section shall be adequately protected until it is delivered to PRASA's stores.
- 5.12.14** PRASA reserves the right to conduct ad-hoc inspections to ensure Compliance

5.13 RISKS

- 5.13.1** Tabulated below are the associated security Risks and proposed mitigation measures. It should be noted that this are minimum risks identified and bidders shall be responsible for conducting their own risk assessment that will influence their quotations.

Risk			Probability	Mitigation
Project	Hi-jacking	–	High	Social Facilitation to ensure community involvement and buy in. PRASA recommends
Regulation	9	30%		
Subcontracting.		This		

includes the provision of security.		an approach that involves the local community. Failure to ensure local involvement can result in serious work stoppages.
Theft of Installed equipment	High	Fit for purpose security with an integrated plan for assets installed and physical security at site office. Ensure protective measures for site with a access gate.
Hi-jacking of site personnel vehicles	High	Armed Escorts to and from the site
Armed Robbery of personnel on site and Storage Facility at site	High	Armed Guarding at site and site office with an armed response for mobilisation

5.14 PROPOSED INTERVENTIONS

5.14.1 Minimum of 2 vehicles with armed response officers (2-4) per vehicle strategically deployed within the site. To supplement the vehicles, a suitable number of day and night visible officers on foot patrol is required.

5.14.2 Requisite equipment:

- Bullet proof vests
- Spotlight;
- Night vision equipment;
- Torches;
- Tactical Radios (PTT with GPS and Panic Button). This should be the primary communication for all personnel on site.
- Handcuffs (disposable type) and other standard equipment;
- Firearms with extra magazine; and
- Any other equipment identified though the risk assessment.

5.15 MINIMUM MEASURES FOR SITE OFFICE

- 5.15.1.1** Minimum of two physical security officers at the site office.
- 5.15.1.2** Access and Egress control measures to be implemented at the site.
- 5.15.1.3** The fence shall be erected in such a manner as to enclose the offices as well as the storage facilities including the parking space for vehicles of site staff.
- 5.15.1.4** A minimum of two lockable containers shall be used for the storage of materials including salvaged scrap.
- 5.15.1.5** The contractor will be responsible for safe movement of salvaged scrap to the designated PRASA facility.

5.16 PROJECT SPECIAL CONDITIONS

CERTIFICATES, COMMISSIONING, HANDOVER AND TRAINING

5.16.1 CERTIFICATES

- 5.16.1.1** All Electrical Compliance certificates.
- 5.16.1.2** Architecture drawings of designs.

5.16.2 COMMISSIONING

- 5.16.2.1** CCTV – onsite commissioning need to be done and all cameras to work locally as well as remote viewing at the control room to the existing system and graphics.
- 5.16.2.2** Access Control to work onsite locally as well as full integration to the existing Babylon system at the control room.
- 5.16.2.3** Intruder alarm systems to work locally onsite as well as remote functionality from the control room via existing Babylon system.
- 5.16.2.4** PA system to work locally as well as remote announcements from or CTC(Central Traffic Control)
- 5.16.2.5** EDB – all boards must be linked to our existing Railcom server with full control from the GUI terminal.

5.16.2.6 Fire System should be operated onsite as well as remotely from the control room using the exiting system software

5.16.2.7 All commissioning must be done onsite as well as at the control room ensuring that all newly installed systems are fully compatible with existing systems and can be linked back to the control room for remote monitoring

5.16.3 HANDOVER

5.16.3.1 Copies of operator's manual shall be supplied.

5.16.3.2 Complete as built drawings shall be supplied.

5.16.3.3 All products manuals shall be supplied.

5.16.3.4 Test and compliance certificate shall be supplied per site

5.16.4 SCRAPPING OF MATERIALS

5.16.4.1 PRASA personnel to identify scraps, usable materials for proper storage and scrapping process

5.16.4.2 All materials which are identified as scraps shall be delivered at Springfield store for scrapping process.

5.16.4.3 The contractor shall ensure that the derecognition of assets process is initiated before decommissioning of assets.

5.16.4.4 The contractor shall load and offload the scrap to and from sites

5.16.4.5 The cost for decommissioning, administration, Transportation, loading and offloading work shall be included in the project.

5.16.5 THE FINAL DOCUMENTATION SHALL INCLUDE, BUT NOT BE LIMITED:

5.16.5.1 Asset Register


5.16.5.2 Configuration

5.16.5.3 Test certificates

6.1 STANDARDS AND CODE OF PRACTICE

6.1.1 The Machinery & Occupational Safety Act (Act 85 of 1993) as amended.

6.1.2 The South African National Standards (S.A.N.S) Specification, as applicable to this contract.

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6.2 CODE OF PRACTICE

6.2.1.1 The whole of the installation shall be carried out in accordance with the latest S.A.N.S Code of Practice for:

6.2.1.2 Electrical security installations Part 5-1: CCTV surveillance systems for use in security applications- Operational requirements SANS 10222-5-1 2007

6.2.1.3 Electrical security installations Part 5-1-2: CCTV surveillance systems for use in security applications- System design requirements SANS 10222-5-1 2000

6.2.1.4 Electrical security installations Part 5-1-3: CCTV surveillance systems for use in security applications- Installation, planning and implementation requirements SANS 10222-5-1 2002.

6.2.1.5 Electrical security installations Part 5-2: CCTV installations- Application guidelines SANS 10222-5-2 1999.

6.2.1.6 The Municipal By-Laws and any other special requirements as deemed necessary by the local supply authority.

6.2.1.7 **SANS 10400-T:2020** references the Code of Practice **SANS 10139** for fire detection systems in buildings

6.2.1.8 The company shall have a minimum of one (1) Registered SAQCC Fire D&GS Detection serviceman/commissioner employed on a permanent basis.

6.2.1.9 Intruder alarm systems installers must be SAIDSA(South African Intruder Detection Services Association) accredited

6.2.1.10 FDIA (Fire Detection installers Association) registered company.

EVALUATION METHODOLOGY

The evaluation of Bids will be based on the information contained in Bids received in RFP and, which may be further supplemented by presentations and clarification information provided, if required. All Bids shall be equally evaluated by various committees involved in the evaluation process in accordance with stated Evaluation Criteria. Procurement integrity and fairness, transparency, competitiveness and full accountability will at all times be paramount.

9.1 EVALUATION AND SCORING METHODOLOGY

The evaluation of the Bids by the evaluation committees will be conducted at various levels.

The following levels will be applied in the evaluation:


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Table 9.1

LEVEL	DESCRIPTION
Verify completeness	The Bid is checked for completeness and whether all required documentation, certificates; verify completeness warranties and other Bid requirements and formalities have been complied with. Incomplete Bids will be disqualified.
Verify compliance	The Bids are checked to verify that the essential RFP requirements have been met. Non-compliant Bids will be disqualified.
Detailed Evaluation of Technical	Detailed analysis of Bids to determine whether the Bidder is capable of delivering the Project in terms of business and technical requirements. The minimum threshold for technical evaluation is [70%], any bidder who fails to meet the minimum requirement will be disqualified and not proceed with the evaluation of Price and B-BBEE.
B-BBEE	Evaluate B-BBEE
Price Evaluation	Bidders will be evaluated on price offered.
Scoring	Scoring of Bids using the Evaluation Criteria.
Recommendation	Report formulation and recommendation of Preferred and Reserved Bidders
Best and Final Offer	PRASA may go into the Best and Final Offer process in the instance where no bid meets the requirements of the RFP and/or the Bids are to close in terms of points awarded.
Approval	Approval and notification of the final Bidder.


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9.2 EVALUATION CRITERIA

Interested bidders for this project shall be evaluated in terms of their business credentials, financial standing, empowerment, technical capacity and experience. The evaluation committee shall use the following Evaluation Criteria depicted in Table 9.2 for the selection of the preferred bidder that shall execute construction work for the project.

Table 9.2

EVALUATION CRITERIA	WEIGHTING
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Stage 1	Compliance
Mandatory Compliance	Basic Compliance
Stage 2	Technical/Functionality
Technical/Functional Requirements	Threshold of 70%
Stage 3	Price and BBBEE
Price	90 or 80
BBBEE	10 or 20
TOTAL	100

Details of the stages outlined in table 1 above are presented in the following sections.

Stage 1: Compliance Requirements


Bidders must comply with all mandatory requirements and failure to comply will lead to immediate disqualification.

Stage 1A- Mandatory Requirements

If you do not submit the following documents your tender will be automatically disqualified:

Table 9.3: List of Mandatory Compliance Documents

No.	DESCRIPTION OF REQUIREMENT	
a.	Completion of ALL RFT documentation (includes ALL declarations, project specifications and Commissioner of Oath signatures required).	
b.	Signed Joint Venture, Consortium Agreement or Partnering Agreement (whichever is applicable) if applicable.	
c.	The Declaration Certificate for Local Content (SBD 6.2) and the National Industrial Participation Programme (SBD5) must be completed and duly signed.	
d.	Annexure C – Local Content Declaration – Summary Schedule	

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e.	In compliance with the Preferential Procurement Regulation requirement of subcontracting 30% of the Works, PRASA requires a Memorandum/da Of Understanding from the Bidders to reflect the names of companies that it intends subcontracting to, the nature of the works to be subcontracted and contract % that will be subcontracted to the respective companies and the terms and conditions of the relationship between the Bidder and subcontracting companies.	
f.	Bidder to complete the Compliance Specification Sheet: Complete Yes (a sheet with a No or not fully completed sheet will lead to disqualification)	


If you do not submit the following documents your Proposal will be disqualified automatically.

Stage 1C - Basic Compliance

If you do not submit the following basic compliance documents and should an award be made, these basic compliance documents must be made available within seven (7) days, failing of which the award will be recalled.

Table 9.5: Basic Compliance

No.	Description of requirement	
a)	Letter of Good Standing: COID	
b)	A supply of valid SARS Pin	
c)	Company registration documents	
d)	Certified copies of Directors' ID documents not older than three months	
e)	CSD supplier registration number	

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f)	UIF Proof of registration	
g)	Original or certified B-BBEE certificate (Certificates issued by a SANAS accredited verification agency) or Sworn Affidavit	
h)	Annexure D – Imported Content Declaration – Supporting Schedule to Annex C	
i)	Annexure E – Local Content Declaration – Supporting Schedule to Annex C	

NB: Bidders must submit proof its BBBEE status level Contributor, a bidder failing to submit proof of BBBEE status level of contributor or is a non-compliant to BBBEE may not be disqualified and will score 0 points of 10 or 20 (whichever is applicable) for BBBEE

9.6 STAGE 2: TECHNICAL / FUNCTIONALITY REQUIREMENTS

Interested bidders shall then be evaluated on functionality after meeting all compliance requirements outlined above. The minimum threshold for technical/functionality requirements is 70% as per the standard Evaluation Criteria presented in Table 9.1 above. Bidders who score below this minimum requirement shall not be considered for further evaluation in stage 3.

Details of the technical / functional requirements are presented in Table 9.6 below

Table 9.6

ITEM	CRITERIA	WEIGHT
1	Organizational Experience	40
2	Qualifications and Experience of key personnel	30
3	Project program (Work plan)	10
4	Project Approach and Methodology	20
	TOTAL	100

Technical Evaluation Criteria

9.7 FUNCTIONAL EVALUATION CRITERIA

Details of the scoring methodology presented above are outlined in Table 9.7 below

NOTE: The Technical or Functionality criteria must be guided by the project scope of works and area of focus.

Table 9.7: technical Scoring Methodology

CRITERIA	WEIGHT	SCORES
<p>1. Organizational Experience</p> <ul style="list-style-type: none"> • FDIA registered • SADISA registered <p>1.1 N.B. Provide for each successfully completed project/s in the following sequence: Copy of an appointment letter/s (on a company letterhead): description of the project, Client name, Client contact</p> <p>1.2 Furthermore, attach completion certificate from the client</p> <p>1.3 Attached FDIA registration certification</p>	40	<p>Score will be based on successfully executed and completed similar projects as per the installation of</p> <ul style="list-style-type: none"> • CCTV Systems/ Access Control Systems/ PA system/ Intruder Alarm system/ Fire Detection Equipment. • Submission of registration certificates as per the criteria <p>0: Zero = No Similar Projects/non-submission/incomplete submission</p> <p>1: 1 Similar project/stations completed = 8 points</p> <p>2: 2 Similar projects/stations completed = 16 points</p> <p>3: 3 Similar projects/stations completed = 28 points</p> <p>4: 4 Similar projects/stations completed = 34 points</p> <p>5: 5 and above Similar projects/stations completed = 40 points</p>

1.4 Attached SADISA registration certification		
<p>2. Key Personnel Experience (based on Submitted CVs) of Key Staff.</p> <ul style="list-style-type: none"> Submission of a CV of the Engineer or Technologist or Technician with minimum of 3 years' experience in Electronic Security System which includes: <ul style="list-style-type: none"> CCTV Specialization. Access Control Systems. Alarm system specialization. Fire Detection Equipment. 	30	<p>Detailed CV of the key person who will be used in completing the works. Years of experience of proposed personnel:</p> <p>0: No information provided/incomplete submission/non-compliance = 0 points</p> <p>1: Key personnel with less than 2 years related experience = 6 points</p> <p>2: Key personnel equal/ above 2 years but less than 3 years related experience = 10 points</p> <p>3: Key personnel equal/above 3 years but less than 4 years related experience = 25 points</p> <p>4: Key personnel equal/ above 4years but less than 5 years related experience = 28 points</p> <p>5: Key personnel equal/above 6 years related experience = 30 points</p>

<p>3. Project program (Work plan)</p> <p><i>(N.B. Provide project schedule in MS projects that meets the client's timeline requirements and the schedule to cover the following minimum key Milestones:</i></p> <ul style="list-style-type: none"> • Completion of safety file • Site Establishment • Procurement of material and all services • Actual construction activities. • Final works completion • Maximum project Duration of six (6) Months <p><i>The overall schedule should clearly indicate sequencing of activities with clear understanding of scope.</i></p>	<p>10</p>	<p>Score will be allocated for MS Project Schedule provided</p> <p>0: No information provided=0</p> <p>1: Inadequate/ unrelated project schedule provided = 2 points</p> <p>2: Project schedule provided but no detailed activities indicated =4 points</p> <p>3: Project schedule provided with activities indicated on the program aligned with the preferred duration of the project; = 7 points</p> <p>4: Project schedule provided with activities indicated on the program aligned with preferred duration of the project, showing the sequence of activities (i.e., Baseline and critical path) = 8 points</p> <p>5: Project schedule provided with activities indicated on the program aligned with the preferred duration of the project, showing the sequence of activities (i.e., Baseline and critical path), clear understanding of the scope of work and site challenges addressed =10 points</p>
<p>4. Project Approach and Methodology</p>	<p>20</p>	<p>Score will be allocated as follows:</p> <p>0: No information provided</p> <p>1: 1 elements of the method statement = 4 points</p>

<p><i>(N.B. The project methodology must be in line with the scope of work. Identify the risks associated with the project activities and mitigation measures. Furthermore, clearly show risks and mitigation measures of working on the railway reserve)</i></p> <p><i>Elements: Identification of risks and mitigation, Work breakdown of activities, Quality assurance, Health and safety and security</i></p>		<p>2: 2 elements of the method statement= 8 points</p> <p>3: 3 elements of the method statement=14 points</p> <p>4: 4 elements of the method statement= 17 points</p> <p>5: 5 elements of the method statement= 20 points</p>
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NOTE: Minimum 70% are to be attained in each and every evaluation criterion stated above for a bidder to be evaluated further.

9.8 STAGE 3: PRICING AND B-BBEE

The following formula, stipulated in the approved PRASA conditions of contract, shall be used by the Bid Evaluation Committee to allocate scores to the interested bidders on pricing:


$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \text{ or } P_s = 90 \left[1 - \frac{P_t - P_{\min}}{P_{\min}} \right]$$

Where:

P_s = Points scored for the price of tender under consideration;

P_t = Rand value of the tender under consideration;

P_{min} = Rand value of the lowest acceptable tender.

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Tender will be evaluated on either the 80/20 or 90/10 preference point system. the lowest acceptable bid will be used to determine the preference point system to be used for the evaluation of tenders.

If the lowest acceptable tender is above R50 million, the 90/10 preference point system will be used where:


- The minimum qualifying criteria for pricing is 90 points as per the standard Evaluation Criteria presented in Table 9.2.
- The BBBEE component of the evaluation process is weighted at 10 points in Table 9.2 of the standard Evaluation Criteria outlined above. Bidders will be awarded points based on the level of their BBBEE status in their BBBEE Certificate issued by an approved agency certified by SANAS. Details of the allocation of points by the Evaluation Committee are presented in Table 9.8.

Where the lowest acceptable tender is below R50 million, the 80/20 preference point system will be used. Where:

- The minimum qualifying criteria for pricing is 80 points as per the standard Evaluation Criteria presented in Table 9.2.
- The BBBEE component of the evaluation process is weighted at 20 points in Table 9.2 of the standard Evaluation Criteria outlined above. Bidders will be awarded points based on the level of their BBBEE status in their BBBEE Certificate issued by an approved agency certified by SANAS. Details of the allocation of points by the Evaluation Committee are presented in Table 9.8.

Table 9.8: Preference point system (BBBEE Evaluation Criteria)

B-BBEE STATUS LEVEL OF CONTRIBUTOR	NUMBER OF POINTS (90/10 SYSTEM) ABOVE R 50 MILLION	Number of points (80/20 system) BELOW R 50 MILLION
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8

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6	3	6
7	2	4
8	1	2
Non-Compliant Contributor	0	0

10 PREFERENTIAL PROCUREMENT REGULATIONS


The Preferential Procurement Regulations, issued by the Minister of Finance in 2017, were revised to align with certain changes to the Broad-Based Black Economic Empowerment (B-BBEE) legislation. They encourage procurement from Small Enterprises, particularly through sub-contracting if a tender is set above the R30 million threshold.

If it is feasible to subcontract for a contract above R30 million, an organ of state must apply subcontracting to advance designated groups.

In compliance with the new regulation, this project will require that a minimum of 30% be subcontracted to one of the following types of enterprises:

- an EME or QSE which is at least 51% owned by black people;
- an EME or QSE which is at least 51% owned by black people who are youth;
- an EME or QSE which is at least 51% owned by black people who are women;
- an EME or QSE which is at least 51% owned by black people with disabilities;
- an EME or QSE which is 51% owned by black people living in rural or underdeveloped areas or townships;
- a cooperative which is at least 51% owned by black people; or
- an EME or QSE which is at least 51% owned by black people who are military veterans.

Before contracting with the successful Bidder, PRASA will insist on being provided with copies of formal signed subcontracting agreements that make up the legislated 30% of the contract value. The subcontractors shall be registered on the National Treasury Central Supplier Database (CSD). All

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agreements to state that PRASA will not be held responsible or liable should the successful Bidder breach contract with the subcontracted companies.

11 VALIDITY PERIOD

This RFP shall be valid for *[90 days working days]* calculated from Bid closing date.


12 B-BBEE REQUIREMENTS

A Bidder must submit proof of its B-BBEE status level contributor, a Bidder failing to submit proof of B-BBEE status level of contributor or is a non-compliant contributor to B-BBEE may not be disqualified and will score 0 points out of 10/20 for B-BBEE.

13 LOCAL CONTENT - NATIONAL TREASURY STIPULATED MINIMUM THRESHOLDS FOR LOCAL PRODUCTION

13.1 LOCAL CONTENT

- Bids will be subject to local content requirements in terms of Regulation 8(1) of the Preferential Procurement Regulations, 2017.
- Only locally produced or manufactured goods with a stipulated minimum threshold as stated in the table below for local production and content will be considered. Bidders who do not meet the stipulated minimum threshold will be automatically disqualified and not be considered further for evaluation.
- Bidders may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- The exchange rate to be used for the calculation of local content (local content and local production are used interchangeably) must be the exchange rate published by the SARB on the date of the advertisement of the tender.
- The Declaration Certificate for Local Content (SBD 6.2) must be completed and duly signed. **Bidders who do not complete this form will be automatically disqualified.**
- For further guidance with the above requirements, bidders may refer to DTI website, www.theDTI.gov.za and National Treasury Designated Sectors for the following Instruction Notes:
 - a. Number 10 of 2016/2017 (Rail signalling system and associated components).

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- b. Number 05 of 2019/2020 (Industrial lead acid batteries).
- c. Number 01 of 2020/2021 (Cement sector).
- d. Number 3 of 2019/2020 (Steel).

13.2 EXEMPTION REQUESTS


If the quantity of the components to be used for this work as listed in figure 14.1 cannot wholly be sourced from South African based manufacturers, bidders should obtain written exemption from the **dti** to supply the remaining portion of the components at a lower content threshold. The **dti**, in consultation with the procuring organ of state, will grant exemption on a case-by-case basis and will consider the following:

- a) Required volumes in the particular tender;
- b) Available collective SA industry manufacturing capacity at that time;
- c) Delivery times;
- d) Availability of input material and components;
- e) Security of supply and emergencies;
- f) Materials of construction;
- g) Technical considerations including operating conditions;
- h) Localisation plans aimed at establishing and / or increasing local manufacturing capacity through ramping-up of capital investments in the initial phase ; and
- i) warranties and guarantees.

13.3 THE PROCESS TO BE FOLLOWED IN REQUESTING EXEMPTIONS

The following tender information must be provided on the bidder's letterhead when requesting an exemption request to the DTi:

- a) Procuring entity;
- b) Tender description;
- c) Bid reference number;
- d) Closing date of bid;
- e) Detailed specifications of items for which the exemption is requested for (kindly attach specifications);
- f) Products / inputs / components to be imported;
- g) Reasons for the request; and
- h) Supporting letters from local bidders' suppliers and manufacturers.

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The turnaround time for processing of exemption requests is **10 working days** from the date of receipt.

14 THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME

14.1 National Industrial Participation Programme (NIPP) requirements:

The National Industrial Participation (NIP) Programme, which is applicable to all government procurement contracts that have an imported content, became effective on the 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services) entered into after this date, are subject to the NIP requirements. NIP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade and Industry (DTI) is charged with the responsibility of administering the programme.

Bidders are therefore required to complete SBD 5 to give effect to the above. **Bidders who do not complete this form will be automatically disqualified.**

15 POST TENDER NEGOTIATION (IF APPLICABLE)

15 PRASA reserves the right to conduct post tender negotiations with a shortlist of Respondent(s). The shortlist could comprise of one or more Respondents. Should PRASA conduct post tender negotiations, Respondents will be requested to provide their best and final offers to PRASA based on such negotiations. A final evaluation will be conducted in terms of 90/10.

16 BEST AND FINAL OFFER

PRASA reserves the right to embark on the Best and Final Offer (BAFO) Process where:

- a) None of the proposals meet the RFP requirements;
- b) None of the responses to RFP are affordable and demonstrate value for money; and
- c) There is no clear preferred Response to this RFP.

Upon the decision by PRASA to embark on a BAFO process it shall notify the response to RFP.

17 FINAL CONTRACT AWARD

16 PRASA will negotiate the final terms and condition the contract with the successful Respondent(s). This may include aspects such as Supplier Development, the B-BBEE Improvement Plan, price and delivery. Thereafter the final contract will be awarded to the successful Respondent(s).


18 FAIRNESS AND TRANSPARENCY

PRASA views fairness and transparency during the RFP Process as an absolute on which PRASA will not compromise. PRASA will ensure that all members of evaluation committees declare any conflicting or undue interest in the process and provide confidentiality undertakings to PRASA.

The evaluation process will be tightly monitored and controlled by PRASA to assure integrity and transparency throughout, with all processes and decisions taken being approved and auditable.

Bidders are to note that the successful bidder shall be responsible to protect their own site establishment, their own tools and equipment, materials and works as well as labour. The successful bidder shall ensure that patrols are in place at the section handed over to the successful bidder until the completed work is handed over to PRASA. No claims of losses must be lodged with the client for stolen goods before the completed work is handed over to PRASA. Any lost, damaged or stolen material shall be treated according to the construction contract, specifically clauses 33 and 34 and bidders should take note of section 9.7 Insurance of the RFT for guidance.

Bidders are to note that the successful bidder shall be responsible to provide PRASA with a Security Plan (which clearly states which assets the successful bidder will be protecting/securing) upon award and before Works commence. The Security Plan provided by the successful bidder shall be developed in collaboration with the PRASA Project Manager, the PRASA Protection Services representative and the PRASA appointed contractor/s responsible for securing other PRASA assets in the respective areas and shall be signed off by all Parties before the successful bidder can establish site and commence Works.

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Bidders are to note that there will be various other PRASA appointed Contractors/Suppliers working in the corridor/section as stated in the Scope of Works. All other PRASA appointed Contractors/Suppliers shall be responsible to protect their own site establishment, their own tools and equipment, material and works as well as labour. Upon appointment of other Contractors/Suppliers, the Security Plan and Security Responsibilities shall be reviewed and approved by all Parties. The PRASA Project Manager will have the responsibility to advise the successful bidder when other Contractors/Suppliers are appointed.

NB: The report containing the list of potential sub-contractors has been drawn and may be accessed through the following link: www.csd.gov.za and please use the tender number DBN/CAP (BAC) 011 as the Reference for the following Services:

- Electrical Engineering Services
- Occupational Health and Safety Services
- Security Services
- Supply of electrical cables
- Supply of steel
- Supply of construction equipment or plant hire

Should bidders identify sub-contractors that meet the requirements as set in section 11 above who are not registered in any of the commodity categories listed above and/or are not registered on the CSD, bidders must ensure that these sub-contractors are registered in one of the listed commodity categories and registered on the CSD prior to the closing date and time. Bidders who do not meet this requirement will be disqualified and will not be evaluated further.

2 PREFERENTIAL PROCUREMENT REGULATIONS

The new regulations, issued by the Minister of Finance in 2017, were revised to align with certain changes to the Broad-Based Black Economic Empowerment (B-BBEE) legislation. They encourage procurement from Small Enterprises, particularly through sub-contracting if a tender is set above the R30 million threshold.

The Regulation focuses on the need by all organs of state and public entities to specify conditions that only locally produced or locally manufactured goods meeting the stipulated minimum threshold for local production and content will be considered for certain designated sectors. They also afford organs of state the freedom to choose to apply pre-qualifying criteria to advance certain designated groups.

In compliance with the new regulation, this project will require that a minimum of 30% be subcontracted to one of the following types of enterprises:

- a) an EME or QSE
- b) an EME or QSE which is at least 51% owned by black people;
- c) an EME or QSE which is at least 51% owned by black people who are youth;
- d) an EME or QSE which is at least 51% owned by black people who are women;
- e) an EME or QSE which is at least 51% owned by black people with disabilities;
- f) an EME or QSE which is 51% owned by black people living in rural or underdeveloped areas or townships;
- g) a cooperative which is at least 51% owned by black people;
- h) an EME or QSE which is at least 51% owned by black people who are military veterans;
or
- i) more than one of the categories referred to in paragraphs (a) to (h).

Before contracting with the successful Bidder, PRASA will insist on being provided with copies of formal signed subcontracting agreements that make up the legislated 30% of the contract value. The subcontractors shall be registered on the National Treasury Central Supplier Database (CSD). All agreements to state that PRASA will not be held responsible or liable should the successful Bidder breach contract with the subcontracted companies.

3 VALIDITY PERIOD

This RFT shall be valid for *[90 Business days]* calculated from Bid closing date.

4 B-BBEE REQUIREMENTS

A Bidder must submit proof of its B-BBEE status level contributor, a Bidder failing to submit proof of B-BBEE status level of contributor or is a non-compliant contributor to B-BBEE may not be disqualified and will score 0 points out of 20 for B-BBEE.

5 POST TENDER NEGOTIATION (IF APPLICABLE)

PRASA reserves the right to conduct post tender negotiations with a shortlist of Respondent(s). The shortlist could comprise of one or more Respondents. Should PRASA conduct post tender negotiations, Respondents will be requested to provide their best and final offers to PRASA based on such negotiations. A final evaluation will be conducted in terms of 80/20.

6 LOCAL PRODUCTION AND CONTENT

• Local Content

Bids will be subject to local content requirements in terms of Regulation 8(1) of the Preferential Procurement Regulations, 2017.

Only locally produced or manufactured goods with a stipulated minimum threshold, as stated in the Table below for local production and content, will be considered. Bidders who do not meet the specified minimum threshold will be automatically disqualified and not be considered further for evaluation.

Bidders may not sub-contract in a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.

The exchange rate to be used for the calculation of local content (local content and local production are used interchangeably) must be the exchange rate published by the SARB on the date of the advertisement of the tender.

The Declaration Certificate for Local Content (SBD 6.2) must be completed and duly signed. **Bidders who do not complete this form will be automatically disqualified.**

Minimum local content required per equipment:

No	Some equipment against which the local content must be discharged	
	Equipment	% local content
	KWA MASHU STATION	
1	Supply and install CAT6 UTP cable	90% (Cables)
2	Supply and install 6 core single mode fiber	90% (Cables)
3	Supply and install 2.5mm surfix cable from equipment room to main kiosks and mini kiosks	90% (Cables)
4	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)
5	Supply and install 1.5mm 4 core cable connect all 4 concourse speakers	90% (Cables)
	TEMBALIHLE STATION	
1	Supply and install CAT5E cable for dome camera	90% (Cables)
2	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)
3	Supply and install and splice 6 core fiber cable	90% (Cables)

No	Some equipment against which the local content must be discharged	
	Equipment	% local content
4	Supply and install Surfix 2.5mm cable	90% (Cables)
5	Supply and install mylar cable	90% (Cables)
6	Supply and install RS485 4 wire cable for EDB	90% (Cables)
7	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)
8	Supply and Installation of 4 core solid comms cable	90% (Cables)
9	Supply and install fire cable	90% (Cables)
10	Supply and install 4 core 1.5mm speaker cable	90% (Cables)
	DUFFS ROAD STATION	
1	Supply and install CAT5E cable for dome camera	90% (Cables)
2	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)
3	Supply and install and splice 6 core fiber cable	90% (Cables)
4	Supply and install Surfix 2.5mm cable	90% (Cables)
5	Supply and install 4 core mylar cable	90% (Cables)
6	Supply and Installation of 4 core solid comms cable	90% (Cables)
7	Supply and install fire cable	90% (Cables)
8	Supply and install 4 core 1.5mm speaker cable	90% (Cables)
9	Supply and install RS485 4 wire cable for EDB	90% (Cables)
10	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)
	AVOCA STATION	
1	Supply and install CAT5E cable for dome camera	90% (Cables)
2	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)
3	Supply and install and splice 6 core fiber cable	90% (Cables)
4	Supply and install Surfix 2.5mm cable	90% (Cables)
5	Supply and install 4 core mylar cable	90% (Cables)
6	Supply and Installation of 4 core solid comms cable	90% (Cables)
7	Supply and install fire cable	90% (Cables)

No	Some equipment against which the local content must be discharged	
	Equipment	% local content
8	Supply and install 4 core 1.5mm speaker cable	90% (Cables)
9	Supply and install RS485 4 wire cable for EDB	90% (Cables)
10	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)
	GREENWOOD PARK STATION	
1	Supply and install CAT5E cable for dome camera	90% (Cables)
2	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)
3	Supply and install and splice 6 core fiber cable	90% (Cables)
4	Supply and install Surfix 2.5mm cable	90% (Cables)
5	Supply and install 4 core mylar cable	90% (Cables)
6	Supply and install RS485 4 wire cable for EDB	90% (Cables)
7	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)
8	Supply and Installation of 4 core solid comms cable	90% (Cables)
9	Supply and install fire cable	90% (Cables)
10	Supply and install 4 core 1.5mm speaker cable	90% (Cables)
	TEMPLE STATION	
1	Supply and install CAT5E cable for dome camera	90% (Cables)
2	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)
3	Supply and install and splice 6 core fiber cable	90% (Cables)
4	Supply and install Surfix 2.5mm cable 90% (Cables)	
5	Supply and install 4 core mylar cable	90% (Cables)
6	Supply and Installation of 4 core solid comms cable	90% (Cables)
7	Supply and install fire cable	90% (Cables)
8	Supply and install 4 core 1.5mm speaker cable	90% (Cables)
9	Supply and install RS485 4 wire cable for EDB	90% (Cables)
10	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)
	EFFINGHAM	

No	Some equipment against which the local content must be discharged	
	Equipment	% local content
1	Supply and install RS485 4 wire cable for EDB	90% (Cables)
	BRIDGE CITY	
1	Supply and install CAT5E cable for dome camera	90% (Cables)
2	Supply and install and splice 6 core fiber cable	90% (Cables)
3	Supply and install Surfix 2.5mm cable	90% (Cables)
4	Supply and install 4 core mylar cable	90% (Cables)
5	Supply and Installation of 4 core solid comms cable	90% (Cables)
6	Supply and install fire cable	90% (Cables)
7	Supply and install 4 core 1.5mm speaker cable	90% (Cables)


For further guidance with the above requirements, bidders may refer to **National Treasury Designated Sectors Instruction Number 5, 9, 12 and 15 of 2016/2017**.

• Exemption Requests

If suppliers cannot meet the required local content threshold they also have to engage the DTI regarding actions that they will put in place to meet those requirements in future or reasons why the supplier cannot comply with the 100% directive. Suppliers that meet the local content threshold also have to contact the DTI to verify/confirm the supplier's compliance.

In all scenarios the DTI will provide the supplier with an exemption, provided the supplier has fully satisfied the requirements of the DTI. This exemption will be considered on a case-by-case and will consider the following:

- Required volumes in a particular bid;
- Available collective SA Industry manufacturing Capacity at that time;
- Delivery times;
- Security of supply and emergencies;
- Availability of input material and components;
- Materials of construction;
- Localisation plans aimed at establishing and/or increasing local manufacturing capacity through ramping-up of capital investments in the initial phase;

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- h) Replacement of components on the existing infrastructure in order to honour the warranties and guarantees, and
- i) Technical considerations including operating conditions

Tenders that do not have an exemption from DTI will be considered non-responsive and cannot move to the next stage of the evaluation.

The following department can be contacted for assistance with the exemption:

Department of Trade and industry
Private bag X84
Pretoria
0001

For Attention:

Dr. Tebogo Makube
Chief Director: Industrial Procurement
Tel: 012 394 3927/Fax: 012 394 4927
Email: TMakube@thedti.gov.za

NOTE: Enough time has been allocated in the tender **for supplier to seek exemption from the DTI** in the allocated time. Therefore, suppliers are advised to use the allocated time wisely, as the DTI has a maximum lead time of 14 days.

The process to be followed in requesting exemptions

Tender information must be provided on the bidder's letterhead when requesting an exemption letter:

- a) Procuring entity
- b) Tender description
- c) Bid reference number
- d) Closing date of bid
- e) Detailed specifications of items for which the exemption is requested for (kindly attach specifications)
- f) Products/ inputs/components to be imported
- g) Reasons for the request

h) Supporting letters from local bidders' suppliers and manufacturers

• **Calculation of the Local Content**

The South African Bureau of Standards (SABS) approved Technical Specification (SATS 1286:2011) that will be used to calculate local content.

The Declaration Certificate for Local Production and Content (SBD 6.2 – Annexure B) together with Declaration forms for Local Content (Annexes C, D, & E) must be completed, duly signed and submitted by the bidder at the closing date and time of the bid.

The SABS approved Technical Specification and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annexure C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annexure C) and E (Local Content Declaration: Supporting Schedule to Annexure C)] are accessible to all potential bidders on the DTI's official website http://www.thedti.gov.za/industrial_development/ip at no cost.

The local content (LC) expressed as a percentage of the bid price will be calculated in accordance with the following formula:

$$LC = \left(1 - \frac{x}{y}\right) \times 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x will be converted to Rand (ZAR) by using the exchange rate published by the SARB on the date that the bid has been advertised.

7 BEST AND FINAL OFFER

PRASA reserves the right to embark on the Best and Final Offer (BAFO) Process where:

- d) None of the proposals meet the RFT requirements;
- e) None of the responses to RFT are affordable and demonstrate value for money; and
- f) There is no clear preferred Response to this RFT.

Upon the decision by PRASA to embark on a BAFO process it shall notify the response to RFT.

8 FINAL CONTRACT AWARD

PRASA will negotiate the final terms and condition the contract with the successful Respondent(s). This may include aspects such as Supplier Development, the B-BBEE Improvement Plan, price and delivery. Thereafter the final contract will be awarded to the successful Respondent(s).

9 FAIRNESS AND TRANSPARENCY

PRASA views fairness and transparency during the RFT Process as an absolute on which PRASA will not compromise. PRASA will ensure that all members of evaluation committees declare any conflicting or undue interest in the process and provide confidentiality undertakings to PRASA. The evaluation process will be tightly monitored and controlled by PRASA to assure integrity and transparency throughout, with all processes and decisions taken being approved and auditable.

SECTION 3

PRICING AND DELIVERY SCHEDULE

Respondents are required to complete the Pricing Schedule/ BOQ **Form C:** (Volume 2 /Envelope 2)

1 PRICING

- 1.1. Prices must be quoted in South African Rand, inclusive of VAT.
- 1.2. Price offer is firm and clearly indicate the basis thereof.
- 1.3. Pricing Bill of Quantity is completed in line with schedule if applicable.
- 1.4. Cost breakdown must be indicated.
- 1.5. Price escalation basis and formula must be indicated.
- 1.6. To facilitate like-for like comparison bidders must submit pricing strictly in accordance with this price schedule and not utilise a different format. Deviation from this pricing schedule could result in a bid being declared non-responsive.
- 1.7. Please note that should you have offered a discounted price(s), PRASA will only consider such price discount(s) in the final evaluation stage on an unconditional basis.
- 1.8. Respondents are to note that if price offered by the highest scoring bidder is not market related, PRASA may not award the contract to the Respondent. PRASA may:
 - 1.8.1. negotiate a market-related price with the Respondent scoring the highest points or cancel the RFT;
 - 1.8.2. if that Respondent does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the second highest points or cancel the RFT; and
 - 1.8.3. if the Respondent scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the third highest points or cancel the RFT.
 - 1.8.4. If a market-related price is not agreed with the Respondent scoring the third highest points, PRASA must cancel the RFT.

2 DISCLOSURE OF PRICES QUOTED

Respondents are to note that, on award of business, PRASA is required to publish the tendered prices and preferences claimed of the successful and unsuccessful Respondents inter alia on the National Treasury e-Tender Publication Portal, (www.etenders.gov.za), as required per National Treasury Instruction Note 01 of 2015/2016.

3 OWNERSHIP OF DESIGN

4.1 The plans and design developed and to be provided by PRASA shall at all times remain the property of PRASA.

4 SERVICE LEVELS

5.1 An experienced national account representative(s) is required to work with PRASA's procurement department. [No sales representatives are needed for individual department or locations]. Additionally, there shall be a minimal number of people, fully informed and accountable for this agreement.

5.2 PRASA will have quarterly reviews with the Service provider's account representative on an on-going basis.

5.3 PRASA reserves the right to request that any member of the Service provider's team involved on the PRASA account be replaced if deemed not to be adding value for PRASA.

5.4 The Service provider guarantees that it will achieve a 100% [hundred per cent] service level on the following measures:

- a) Random checks on compliance with quality/quantity/specifications
- b) On time delivery.

5.5 The Service provider must provide a telephone number for customer service calls.

5.6 Failure of the Service provider to comply with stated service level requirements will give PRASA the right to cancel the contract in whole, without penalty to PRASA, giving 30 [thirty] calendar days' notice to the Service provider of its intention to do so.

Acceptance of Service Levels:

YES	NO
-----	----

6 TOTAL COST OF OWNERSHIP (TCO)

6.1 PRASA will strive to procure goods, services and works which contribute to its mission. In order to achieve this, PRASA must be committed to working with suppliers who share its goals of continuous improvement in service, quality and reduction of Total Cost of Ownership (TCO).

6.2 Respondents shall indicate whether they would be committed, for the duration of any contract which may be awarded through this RFT process, to participate with PRASA in its continuous

improvement initiatives to reduce the total cost of ownership [TCO], which will reduce the overall cost of transportation services and related logistics provided by PRASA's operating divisions within South Africa to the ultimate benefit of all end-users.

7 FINANCIAL STABILITY

Respondents are required to submit their latest financial statements prepared and signed off by a professional accountant for the past three years with their Proposal in order to enable PRASA to establish financial stability.

SIGNED at _____ on this _____ day of _____ 20.....

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____

Name _____

2 _____

Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

8 VALIDITY OF RETURNABLE DOCUMENTS

The successful Respondent will be required to ensure the validity of all returnable documents, including but not limited to its Tax Clearance Certificate and valid B-BBEE Verification Certificate, for the duration of any contract emanating from this RFT. Should the Respondent be awarded the contract [the Agreement] and fail to present PRASA with such renewals as and when they become due, PRASA shall be entitled, in addition to any other rights and remedies that it may have in terms of the eventual Agreement, to terminate such Agreement forthwith without any liability and without prejudice to any claims which PRASA may have for damages against the Respondent.

SIGNED at _____ on this _____ day of _____ 20.....

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____

Name _____

2 _____

Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

9 CERTIFICATE OF ACQUAINTANCE WITH RFT TERMS & CONDITIONS & APPLICABLE DOCUMENTS

By signing this certificate the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar with, and agrees with all the conditions governing this RFT, including those contained in any printed form stated to form part hereof, including but not limited to the documents stated below and PRASA will recognise no claim for relief based on an allegation that the Respondent overlooked any such condition or failed properly to take it into account for the purpose of calculating tendered prices or any other purpose:

1. PRASA's General Bid Conditions*

2. Standard RFT Terms and Conditions for the supply of Goods or Services or Works to PRASA

Should the Bidder find any terms or conditions stipulated in any of the relevant documents quoted in the RFT unacceptable, it should indicate which conditions are unacceptable and offer alternatives by written submission on its company letterhead, attached to its submitted Bid. Any such submission shall be subject to review by PRASA's Legal Counsel who shall determine whether the proposed alternative(s) are acceptable or otherwise, as the case may be. A material deviation from the Standard terms or conditions could result in disqualification.

Bidders accept that an obligation rests on them to clarify any uncertainties regarding any bid to which they intend to respond, before submitting the bid. The Bidder agrees that he/she will have no claim based on an allegation that any aspect of this RFT was unclear but in respect of which he/she failed to obtain clarity.

The bidder understands that his/her Bid will be disqualified if this Certificate of Acquaintance with RFT documents included in the RFT as a returnable document, is found not to be true and complete in every respect.

SIGNED at _____ on this _____ day of _____ 20....

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES


1 _____

Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

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10 GENERAL CONDITIONS

10.1 Alternative Bids

Please note that alternative Bids will not be accepted.

10.2 Prasa's Tender Forms

Bidders must sign and complete the PRASA's Bid Forms and attach all the required documents. Failure by Bidders to adhere to this requirement may lead to their disqualification.

10.3 Precedent

In case of any conflict with this RFT and Bidders response, this RFT and its briefing notes shall take precedence.

10.4 Response to RFT-Confidentiality

Response to RFTs must clearly indicate whether any information conveyed to or requested from PRASA is confidential or should be treated confidentially by PRASA. In the absence of any such clear indication in writing from a response to RFT, PRASA shall deem the response to RFT to have waived any right to confidentiality and treat such information as public in nature.

Where a Bidder at any stage during the RFT Process indicates to PRASA that information or any response to RFT requested from PRASA is or should be treated confidentially, PRASA shall treat such information or response to RFT confidentially, unless PRASA believes that to ensure the transparency and competitiveness of the RFT Process the content of the information or response to RFT should be conveyed to all Bidders, in which event it shall apply the following process:

- PRASA shall confirm with the Bidder whether the raising of confidentiality applies to the entire response to the RFT or only specific elements or sections of the response;
- Where confidentiality is maintained by the Bidder and PRASA is of the opinion that the information or response to RFT if made publicly available would affect the commercial interests of the Bidder or is commercially sensitive information, PRASA shall not release such information to other

Bidders if providing such information or response to the RFT would prejudice the competitiveness and transparency of the RFT Process;

- Where PRASA is of the opinion that information provided is not commercially sensitive or would have no impact on the commercial interests of the relevant Bidder if released and fairness and transparency requires that such information be released to all Bidders, PRASA may:
 - i. inform the relevant Bidder of the necessity to release such information and/or response to RFT and request the Bidder to consent to the release thereof by PRASA; or
 - ii. obtain legal advice regarding the confidentiality of the relevant information and/or response to RFT and the legal ability of PRASA to release such information; or
 - iii. refrain from releasing the information and/or response to RFT, in which event PRASA shall not take account of the contents of such information in the evaluation of the relevant response to RFT.

The above procedures regarding confidentiality shall not apply to any information which is already public knowledge or available in the public domain or in the hands of PRASA or is required to be disclosed by any legal or regulatory requirements or order of any competent court, tribunal or forum.


10.5 Response to the RFT – RFT Disqualification

Responses to RFT which do not comply with the RFT requirements, formalities, terms and conditions may be disqualified by PRASA from further participation in the RFT Process.

In particular (but without prejudice to the generality of the foregoing) PRASA may disqualify, at its sole discretion and without prejudice to any other remedy it may have, a Bidder where the Bidder, or any of its consortium members, subcontractors or advisors have committed any act of misrepresentation, bad faith or dishonest conduct in any of its dealings with or information provided to PRASA.

10.6 Corruption, Gifts and Payments

Neither the Bidders to RFTs, its equity members, the sub-contractors, consortium members nor any of their agents, lenders or advisors shall directly or indirectly offer or give to any person in the employment of PRASA or any other Government official or any of the Advisory Team any gift or consideration of any kind as an inducement or reward for appointing a particular Bidder, or for showing or omitting to show

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favour or disfavour to any of the Bidders, its equity members or the sub-contractors in relation to the Project.

In the event that any of the prohibited practices contemplated under the above paragraph is committed, PRASA shall be entitled to terminate any Response to RFT's status and to prohibit such Response to RFT, its equity members, its SPV members, its Sub Contractors and their agents, lenders and advisors from participating in any further part of the procurement of the Project.

10.7 Insurance


Unless specifically provided for in this RFT or draft contracts, Bidders will be required to submit with their Bid for services professional indemnity insurance and works insurance to an extent (if any) if insurance provided by PRASA may not be for the full cover required in terms of the relevant category listed in this RFT. The Bidder is advised to seek qualified advice regarding insurance.

10.8 No Contact Policy

Bidders may only contact **Rani Padayachee at rani.padayachee@prasa.com** of PRASA as per the terms of the Communication Structure established by this RFT, except in the case of pre-existing commercial relationships, in which case contact may be maintained only with respect thereto and, in making such contact, no party may make reference to the Project or this RFT.

10.9 Conflict of Interest

No Bidder member, subcontractor or advisor of the response to RFT may be a member of or in any other way participate or be involved, either directly or indirectly in more than one response to RFT or response to RFT during any stage of the Project procurement process, but excluding specialist suppliers of systems and equipment, non-core service providers or financial or commercial institutions whose role is limited purely to lending money or advancing credit to the response to RFT. Bidders are to sign the declaration of interest form. In order to prevent the conflict or potential conflict of interest between Lenders and Bidders to RFT, no advisors or the Contractor/s or Consortium/s to any response to RFT, consortium member or subcontractor may fulfil the role of arranger, underwriter and/or lead bank to the response to RFT. PRASA may disqualify the response to RFT from further participation in the event of a failure to comply with this provision. PRASA views the potential conflict of interest so great as to warrant the reduction of competition for advisory services.

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10.10 Collusion and Corruption

Any Bidder shall, without prejudice to any other remedy available to PRASA, be disqualified, where the response to RFT –

- communicates to a person other than persons nominated by PRASA a material part of its response to RFT; or
- Enters into any Contract or arrangement with any other person or entity that it shall refrain from submitting a response to RFT to this RFT or as to any material part of its Response to RFT to this RFT (refer the prohibition contained in Section 4(1)(b)(iii) of the Competition Act 89 of 1998). . The Bidders represents that the Bidder has not, directly or indirectly, entered into any agreement, arrangement or understanding or any such like for the purpose of, with the intention to, enter into collusive Bidding or with reasonable appreciation that, collusive any agreement, arrangement or understanding or any such like may result in or have the effect of collusive Bidding. The Bidder undertakes that in the process of the Bid but prior to PRASA awarding the Bid to a preferred bidder become involved in or be aware of or do or caused to be done any agreement, arrangement or understanding or any such like for the purpose of or which may result in or have the effect of a collusive Bid, the Bidder will notify PRASA of such any agreement, arrangement or understanding or any such like.; or
- offers or agrees to pay or give any sum of money, inducement or valuable consideration directly or indirectly to any person for doing or having done, or causing, or having caused to be done any act or omission in relation to the RFT Process or any proposed response to RFT (provided nothing contained in this paragraph shall prevent a response to RFT from paying any market-related commission or bonus to its employees or contractors within the agreed terms of their employment or contract).

10.11 Consortium Changes

If exceptional circumstances should arise in which a after the submission to the bid and after closing date of submission of bids, there is change in the composition of the Bidder, either through substitution or omission of any member of the Bidder:

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- The Response to RFT must notify PRASA in writing of the proposed changes supported by complete details of the material reasons for the changes, the parties impacted by the changes and the impact on the response to RFT.
- PRASA shall evaluate the reasons advanced by the Bidder for the requested changes to the Bidder structure and where PRASA is not satisfied that the reasons advanced are reasonable or material, refuse to accept the change and disqualify the response to RFT, or notify the Bidder in writing of its non-acceptance of the changes and require the Bidder to propose a suitable alternative to PRASA within 10 (TEN) days of its receipt of the decision of PRASA, upon receipt of which PRASA shall -
 - i. Evaluate the alternative proposed for suitability to PRASA, and where the alternative is accepted by PRASA, inform the Bidder in writing of such acceptance and PRASA shall reassess the response to RFT against the RFT requirements and criteria; or
 - ii. Where the alternative is not accepted by PRASA, inform the Bidder in writing of such non-acceptance as well as its disqualification from the RFT Process.
 - iii. Where PRASA is satisfied that the changes requested under (i) above are reasonable and material, the response to RFT, shall be allowed to effect the required changes and PRASA shall reassess the response to RFT against the RFT requirements and criteria.

10.12 Costs of Response to the RFT Submission

All costs and expenses associated with or incurred by the Bidder in relation to any stage of the Project, shall be borne by the Bidder. PRASA shall not be liable for any such costs or expenses or any claim for reimbursement of such costs or expenses.

To avoid doubt, PRASA shall not be liable for any samples submitted by the Bidder in support of their Responses to RFT and reserves the right not to return to them such samples and to dispose of them at its discretion.

10.13 Response to the RFT Warranty

Bidders must provide a warranty as part of their Responses to RFT that their Responses to RFT are true and correct in all respects, that it does not contain a misrepresentation of any kind and that the taxes of all members of the Bidder company, consortium members and or subcontractors are in order and none of the members are undergoing corruption or any criminal-related investigations or have any past convictions for fraud or corruption.

11 CONDITIONS OF TENDER


General

Actions	1 PRASA's <i>Representative</i> and each <i>tenderer</i> submitting a tender shall act as stated in these Conditions of Tender and in a manner which is fair, equitable, transparent, competitive and cost-effective.
Interpretation	<p>2 Terms shown in <i>italics</i> vary for each tender. The details of each term for this tender are identified in the Request for Tender / Scope of work/ specification. Terms shown in capital initials are defined terms in the appropriate conditions of contract.</p> <p>3 Any additional or amended requirements in the Scope of work/ specification, and additional requirements given in the Schedules in the <i>tender returnables</i> are deemed to be part of these Conditions of Tender.</p> <p>4 The Conditions of Tender and the Scope of work/ specification shall form part of any contract arising from this invitation to tender.</p>
Communication	5 Each communication between PRASA and a <i>tenderer</i> shall be to or from PRASA's <i>Representative</i> only, and in a form that can be read, copied and recorded. Communication shall be in the English language. PRASA takes no responsibility for non-receipt of communications from or by a <i>tenderer</i> .
PRASA's rights to accept or reject any tender	<p>6 PRASA may accept or reject any variation, deviation, tender, or alternative tender, and may cancel the tender process and reject all tenders at any time prior to the formation of a contract. PRASA or PRASA's <i>Representative</i> will not accept or incur any liability to a <i>tenderer</i> for such cancellation and rejection, but will give reasons for the action. PRASA reserves the right to accept the whole or any part of any tender.</p> <p>7 After the cancellation of the tender process or the rejection of all tenders PRASA may abandon the proposed work and services, have it performed in any other manner, or re-issue a similar invitation to tender at any time.</p>

Tenderer's obligations

The *tenderer* shall comply with the following obligations when submitting a tender and shall:

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| Eligibility | 1 | Submit a tender only if the <i>tenderer</i> complies with the criteria stated in the Scope of work/ specification. |
| Cost of tendering | 2 | Accept that PRASA will not compensate the <i>tenderer</i> for any costs incurred in the preparation and submission of a tender. |
| Check documents | 3 | Check the <i>tender documents</i> on receipt, including pages within them, and notify PRASA's <i>Representative</i> of any discrepancy or omissions in writing. |
| Copyright of documents | 4 | Use and copy the documents provided by PRASA only for the purpose of preparing and submitting a tender in response to this invitation. |
| Standardised specifications and other publications | 5 | Obtain, as necessary for submitting a tender, copies of the latest revision of standardised specifications and other publications, which are not attached but which are incorporated into the <i>tender documents</i> by reference. |
| Acknowledge receipt | 6 | Preferably complete the Receipt of invitation to submit a tender form attached to the Letter of Invitation and return it within five days of receipt of the invitation. |
| | 7 | Acknowledge receipt of Addenda / Tender Briefing Notes to the <i>tender documents</i> , which PRASA's <i>Representative</i> may issue, and if necessary apply for an extension to the <i>deadline for tender submission</i> , in order to take the Addenda into account. |
| Site visit and / or clarification meeting | 8 | Attend a site visit and/or clarification meeting at which <i>tenderers</i> may familiarise themselves with the proposed work, services or supply, location, etc. and raise questions, if provided for in the Scope of work/ specification. Details of the meeting are stated in the RFT document, <i>i-tender</i> website and CIDB website. |
| Seek clarification | 9 | Request clarification of the <i>tender documents</i> , if necessary, by notifying PRASA's <i>Representative</i> earlier than the <i>closing time for clarification of queries</i> . |

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| Insurance | 10 | Be informed of the risk that needs to be covered by insurance policy. The <i>tenderer</i> is advised to seek qualified advice regarding insurance. |
| Pricing the tender | 11 | Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except VAT), and other levies payable by the successful <i>tenderer</i> . Such duties, taxes and levies are those applicable 14 days prior to the <i>deadline for tender submission</i> . |
| | 12 | Show Value Added Tax (VAT) payable by PRASA separately as an addition to the tendered total of the prices. |
| | 13 | Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the <i>conditions of contract</i> . |
| | 14 | State the rates and Prices in South African Rand unless instructed otherwise as an additional condition in the Scope of work/ specification. The selected <i>conditions of contract</i> may provide for part payment in other currencies. |
| Alterations to documents | 15 | Not make any alterations or an addition to the tender documents, except to comply with instructions issued by PRASA's <i>Representative</i> or if necessary to correct errors made by the <i>tenderer</i> . All such alterations shall be initialled by all signatories to the tender. Corrections may not be made using correction fluid, correction tape or the like. |
| Alternative tenders | 16 | Submit alternative tenders only if a main tender, strictly in accordance with all the requirements of the <i>tender documents</i> is also submitted. The alternative tender is submitted with the main tender together with a schedule that compares the requirements of the <i>tender documents</i> with the alternative requirements the <i>tenderer</i> proposes. (N/A for this tender) |
| | 17 | Accept that an alternative tender may be based only on the criteria stated in the Scope of work/ specification and as acceptable to PRASA. (N/A for this tender) |
| Submitting a tender | 18 | Submit a tender for providing the whole of the works, services or supply identified in the Contract Data unless stated otherwise as an additional condition in the Scope of work/ specification. |

NOTE:


- 19 **Return the completed and signed *PRASA Tender Forms and SBD forms provided with the tender. Failure to submit all the required documentation will lead to disqualification***
- 20 **Submit the tender as an original plus 1 copy and an electronic version which must be contained in CDs or Memory Cards clearly marked in the Bidders name as stated in the RFT and provide an English translation for documentation submitted in a language other than English. Tenders may not be written in pencil but must be completed in ink.**
- 21 Sign and initial the original and all copies of the tender where indicated. PRASA will hold the signatory duly authorised and liable on behalf of the *tenderer*.
- 22 Seal the original and each copy of the tender as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside PRASA's address and invitation to tender number stated in the Scope of work/ specification, **as well as the *tenderer's name and contact address***. Where the tender is based on a two envelop system tenderers must further indicate in the package whether the document is **envelope / box 1 or 2**.
- 23 Seal original and copies together in an outer package that states on the outside only PRASA's address and invitation to tender number as stated in the Scope of work/ specification. The outer package must be marked "CONFIDENTIAL"
- 24 Accept that PRASA will not assume any responsibility for the misplacement or premature opening of the tender if the outer package is not sealed and marked as stated.

Note:

PRASA prefers not to receive tenders by post, and takes no responsibility for delays in the postal system or in transit within or between PRASA offices.


PRASA prefers not to receive tenders by fax, PRASA takes no responsibility for difficulties in transmission caused by line or equipment faults.

Where tenders are sent via courier, PRASA takes no responsibility for tenders delivered to any other site than the tender office.

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PRASA employees are not permitted to deposit a tender into the PRASA tender box on behalf of a tenderer, except those lodged by post or courier.

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| Closing time | <p>25 Ensure that PRASA has received the tender at the stated address with the Scope of work / specification no later than the <i>deadline for tender submission</i>. Proof of posting will not be taken by PRASA as proof of delivery. PRASA will not accept a tender submitted telephonically, by Fax, E-mail or by telegraph unless stated otherwise in the Scope of work/ specification.</p> <p>26 Accept that, if PRASA extends the <i>deadline for tender submission</i> for any reason, the requirements of these Conditions of Tender apply equally to the extended deadline.</p> |
| Tender validity | <p>27 Hold the tender(s) valid for acceptance by PRASA at any time within the <i>validity period</i> after the <i>deadline for tender submission</i>.</p> <p>28 Extend the <i>validity period</i> for a specified additional period if PRASA requests the <i>tenderer</i> to extend it. A <i>tenderer</i> agreeing to the request will not be required or permitted to modify a tender, except to the extent PRASA may allow for the effects of inflation over the additional period.</p> |
| Clarification of tender after submission | <p>29 Provide clarification of a tender in response to a request to do so from PRASA's <i>Representative</i> during the evaluation of tenders. This may include providing a breakdown of rates or Prices. No change in the total of the Prices or substance of the tender is sought, offered, or permitted except as required by PRASA's <i>Representative</i> to confirm the correction of arithmetical errors discovered in the evaluation of tenders. The total of the Prices stated by the <i>tenderer</i> as corrected by PRASA's <i>Representative</i> with the concurrence of the <i>tenderer</i>, shall be binding upon the <i>tenderer</i></p> |
| Submit bonds, policies etc. | <p>30 If instructed by PRASA's <i>Representative</i> (before the formation of a contract), submit for PRASA's acceptance, the bonds, guarantees, policies and certificates of insurance required to be provided by the successful <i>tenderer</i> in terms of the <i>conditions of contract</i>.</p> <p>31 Undertake to check the final draft of the contract provided by PRASA's <i>Representative</i>, and sign the Form of Agreement all within the time required.</p> |

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- 32 Where an agent on behalf of a principal submits a tender, an authenticated copy of the authority to act as an agent must be submitted with the tender.

Fulfil BEE requirements


- 33 Comply with PRASA's requirements regarding BBBEE Suppliers.

PRASA'S UNDERTAKINGS

PRASA, and PRASA's *Representative*, shall:

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| Respond to clarification | 1 | Respond to a request for clarification received earlier than the <i>closing time for clarification of queries</i> . The response is notified to all <i>tenderers</i> . |
| Issue Addenda | 2 | If necessary, issue to each <i>tenderer</i> from time to time during the period from the date of the Letter of Invitation until the <i>closing time for clarification of queries</i> , Addenda that may amend, amplify, or add to the <i>tender documents</i> . If a <i>tenderer</i> applies for an extension to the <i>deadline for tender submission</i> , in order to take Addenda into account in preparing a tender, PRASA may grant such an extension and PRASA's <i>Representative</i> shall notify the extension to all <i>tenderers</i> . |
| Return late tenders | 3 | Return tenders received after the <i>deadline for tender submission</i> unopened to the <i>tenderer</i> submitting a late tender. Tenders will be deemed late if they are not in the designated tender box at the date and time stipulated as the deadline for tender submission. |
| Non-disclosure | 4 | Not disclose to <i>tenderers</i> , or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tenders and recommendations for the award of a contract. |
| Grounds for rejection | 5 | Consider rejecting a tender if there is any effort by a <i>tenderer</i> to influence the processing of tenders or contract award. |
| Disqualification | 6 | Instantly disqualify a <i>tenderer</i> (and his tender) if it is established that the <i>tenderer</i> offered an inducement to any person with a view to influencing the placing of a contract arising from this invitation to tender. |
| Test for responsiveness | 7 | Determine before detailed evaluation, whether each tender properly received <ul style="list-style-type: none"> • meets the requirements of these Conditions of Tender, • has been properly signed, and |

- is responsive to the requirements of the *tender documents*.
- 8 Judge a responsive tender as one which conforms to all the terms, conditions, and specifications of the *tender documents* without material deviation or qualification. A material deviation or qualification is one which, in PRASA 's opinion would
- detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Contract Data,
 - change PRASA's or the *tenderer's* risks and responsibilities under the contract, or
 - affect the competitive position of other *tenderers* presenting responsive tenders, if it were to be rectified.
- Non-responsive tenders** 10 Reject a non-responsive tender, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.
- Arithmetical errors** 11 Check responsive tenders for arithmetical errors, correcting them as follows:
- Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern.
 - If a bill of quantities applies and there is a discrepancy between the rate and the line item total, resulting from multiplying the rate by the quantity, the rate as quoted shall govern. Where there is an obviously gross misplacement of the decimal point in the rate, the line item total as quoted shall govern, and the rate will be corrected.
 - Where there is an error in the total of the Prices, either as a result of other corrections required by this checking process or in the *tenderer's* addition of prices, the total of the Prices, if any, will be corrected.
- 12 Reject a tender if the *tenderer* does not accept the corrected total of the Prices (if any).
- Evaluating the tender** 13 Evaluate responsive tenders in accordance with the procedure stated in the RFT / Scope of work/ specification. The evaluated tender price will be disclosed only to the relevant PRASA tender committee and will not be disclosed to *tenderers* or any other person.
- Clarification of a tender** 14 Obtain from a *tenderer* clarification of any matter in the tender which may not be clear or could give rise to ambiguity in a contract arising from this tender if the matter were not to be clarified.

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Acceptance of tender	15	Notify PRASA's acceptance to the successful <i>tenderer</i> before the expiry of the <i>validity period</i> , or agreed additional period. Providing the notice of acceptance does not contain any qualifying statements, it will constitute the formation of a contract between PRASA and the successful <i>tenderer</i> .
Notice to unsuccessful tenderers	16	After the successful <i>tenderer</i> has acknowledged PRASA's notice of acceptance, notify other <i>tenderers</i> that their tenders have not been accepted, following PRASA's current procedures.
Prepare contract documents	17	<p>Revise the contract documents issued by PRASA as part of the <i>tender documents</i> to take account of</p> <ul style="list-style-type: none"> • Addenda issued during the tender period, • inclusion of some of the <i>tender returnables</i>, and • other revisions agreed between PRASA and the successful <i>tenderer</i>, before the issue of PRASA's notice of acceptance (of the tender).
Issue final contract	18	Issue the final contract documents to the successful <i>tenderer</i> for acceptance within one week of the date of PRASA's notice of acceptance.
Sign Form of Agreement	19	Arrange for authorised signatories of both parties to complete and sign the original and one copy of the Form of Agreement within two weeks of the date of PRASA's notice of acceptance of the tender. If either party requires the signatories to initial every page of the contract documents, the signatories for the other party shall comply with the request.
Provide copies of the contracts	20	Provide to the successful <i>tenderer</i> the number of copies stated in the Scope of work/ specification of the signed copy of the contracts within three weeks of the date of PRASA's acceptance of the tender.