



prasa
PASSENGER RAIL AGENCY
OF SOUTH AFRICA

REQUEST FOR QUOTATION (RFQ)

RFQ NUMBER: KZN/RAIL/10/2022/009/Q

REQUEST FOR QUOTATION (RFQ) FOR: REPAIRS TO SINGLE HANDED MASTER CONTROLLER, VIGIDRIVE, EMERGENCY BRAKE VALVE, AUXILIARY HIGH TENSION EARTHING KEY SWITCH AND HIGH-TENSION EARTHING KEY SWITCH FOR 10M5 COACHES ON AN AS AND WHEN BASIS

SECTION 1: SBD1

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF PASSENGER RAIL AGENCY (PRASA)

BID NUMBER:	KZN/RAIL/10/2022/009/Q	CLOSING DATE:	03 NOVEMBER 2022	CLOSING TIME:	12:00
DESCRIPTION	REPAIRS TO SINGLE HANDED MASTER CONTROLLER, VIGI-DRIVE, EMERGENCY BRAKE VALVE, AUXILIARY HIGH-TENSION EARTHING KEY SWITCH AND HIGH-TENSION EARTHING KEY SWITCH FOR 10M5 MOTOR COACHES ON AN AS AND WHEN BASIS				

BID RESPONSE DOCUMENTS SHALL BE ADDRESSED AS FOLLOWS:

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE **BID BOX NO.07** SITUATED AT (STREET ADDRESS):

65 MASABALALA YENGWA AVENUE

PRASA REGIONAL OFFICE FOYER AREA

KWAZULU NATAL

BID SUBMISSION REGISTER MUST BE COMPLETED WHEN DROPPING OFF BIDS

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO

CONTACT PERSON	Nomfundo Zantsi
TELEPHONE NUMBER	0318130105
E-MAIL ADDRESS	Nomfundo.Zantsi@prasa.com

SUPPLIER INFORMATION

NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No: MAAA.....	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No	

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

2.1 ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	2.2 ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
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QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO

DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO

IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.

PART B: TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER**
- 1.3. **PRESCRIBED IN THE BID DOCUMENT.**
- 1.4. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER’S PROFILE AND TAX STATUS.

- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE.”

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID NVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g. company resolution)

DATE:

NB:

- ***Quotation(s) must be addressed to PRASA before the closing date and time shown above.***
- ***PRASA General Conditions of Purchase shall apply.***

SECTION 2

NOTICE TO BIDDERS

1. RESPONSES TO RFQ

Responses to this RFQ [Quotations] must not include documents or reference relating to any other quotation or proposal. Any additional conditions must be embodied in an accompanying letter.

Proposals must reach the PRASA before the closing hour on the date shown on SBD1 above, and must be enclosed in a sealed envelope.

2 COMMUNICATION

Respondent/s are warned that a response will be liable for disqualification should any attempt be made either directly or indirectly to canvass any SCM Officer(s) or PRASA employee in respect of this RFQ between the closing date and the date of the award of the business.

3 LEGAL COMPLIANCE

The successful Respondent shall be in full and complete compliance with any and all applicable national and local laws and regulations.

4 CHANGES TO QUOTATIONS

Changes by the Respondent to its submission will not be considered after the closing date and time.

5 PRICING

All prices must be quoted in South African Rand on a fixed price basis, including VAT.

6 BINDING OFFER

Any Quotation furnished pursuant to this Request shall be deemed to be an offer. Any exceptions to this statement must be clearly and specifically indicated.

7 DISCLAIMERS

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

- Modify the RFQ's goods / service(s) and request Respondents to re-bid on any changes;
- Reject any Quotation which does not conform to instructions and specifications which are detailed herein;
- Reject Quotations submitted after the stated submission deadline or at the incorrect venue ;

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.

PRASA reserves the right to award business to the highest scoring bidder/s unless objective criteria justify the award to another Respondent.

Should the preferred fail to sign or commence with the contract within a reasonable period after being requested to do so, PRASA reserves the right to award the business to the next highest ranked Respondent provided that he/she is still prepared to provide the required goods at the quoted price.

8 LEGAL REVIEW

Proposed contractual terms and conditions submitted by a Respondent will be subjected to review and acceptance or rejection by PRASA's Legal Counsel, prior to consideration for an award of business.

9 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. PRASA is required to ensure that price quotations are invited and accepted from prospective bidders listed on the CSD. Business may not be awarded to a respondent who has failed to register on the CSD. 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/>.

10 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.

11 EVALUATION METHODOLOGY

PRASA will utilise the following criteria [not necessarily in this order] in choosing a Supplier/Service Provider, if so required: (

EVALUATION CRITERIA	WEIGHTING
Stage 1	Compliance
Mandatory Compliance	Basic Compliance

Stage 2-	Technical/Functionality
Technical/Functional Requirements (If applicable)	Threshold of 80%
Stage 3	Price and BBBEE
Price	80
BBBEE	20
TOTAL	100

12 ADMINISTRATIVE RESPONSIVENESS

The test for administrative responsiveness will include completeness of response and whether all returnable and/or required documents, certificates; verify completeness of warranties and other bid requirements and formalities have been complied with. Incomplete Bids will be disqualified.

13 VALIDITY PERIOD

- 13.1 PRASA requires a validity period of**Working Days** from the closing date.
- 13.2 Respondents are to note that they may be requested to extend the validity period of their response, on the same terms and conditions, if the internal processes are not finalized within the validity period. However, once the delegated authority has approved the process the validity of the successful respondent(s)' bid will be deemed to remain valid until finalization of the of award.),

14 DISCLOSURE OF PRICES QUOTED

Respondents are to note that, on award of business, PRASA is required to publish the prices and preferences claimed of the successful and unsuccessful Respondents *inter alia* on the National Treasury e-Tender Publication Portal, (www.etenders.gov.za), on CIDB website for construction related RFQ's. (*Where applicable*).

15 RETURNABLE DOCUMENTS

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below. There are three types of returnable documents as indicated below and Respondents are urged to ensure that these documents are returned with the quotation based on the consequences of non-submission as indicated below:

15.1. Mandatory Returnable Documents

Failure to provide Mandatory Returnable Documents at the Closing Date and time of this RFQ will result in a Respondent's disqualification. Respondents are therefore urged to ensure that all documents are returned with their Quotations.

SECTION 3

1 EVALUATION CRITERIA:

Stage1 & Stage2: Adherence to Prequalification requirements and Compliance checklist

NB: Compliance Checklist Requirements for all Services/Goods and works

If you do not submit the following mandatory documents your Proposal/Quote will be disqualified automatically:

No.	Description of requirement	
a)	Price Schedule / Pricing form	
b)	Completion of ALL RFQ declarations	
c)	Completed, Signed and Stamped Commissioner of Oaths	
d)	SBD 6.2 (Declaration Certificate for Local Content)	
e)	Annexure C: Local Content Declaration (Summary Schedule)	
f)	Annexure C: Local Content Declaration to be completed per line item, failure to comply will result in your quote being disqualified.	
g)	Joint Venture / Consortium agreement / Trust Deed	
h)	Contractors must quote on all items listed on the BOQ	
i)	Bidders to complete submission register when dropping off bids into the tender-box	

The following documents are mandatory however bidders will not be automatically disqualified if not submitted Prasa will request the documents and must be made available at the time of request:

No.	Description of requirement	
a)	Valid Tax Clearance Certificate and or SARS Issued Pin	
b)	CSD report / CSD reference number	
c)	Valid and Original, or certified copy of Letter of Good Standing (COID)	

NB: Valid BBBEE Certificate from a SANAS accredited rating agency (Original or Certified) or affidavit signed by the Commissioner of Oath

2.1 Stage 3

Technical / Functionality Requirements

Scoring of Functionality:

The minimum threshold for Technical/functionality criteria is (80%) and bidders who score below this minimum will not be considered for further evaluation in terms of price and B-BBEE.

ITEM	CRITERIA	WEIGHT
1	Calibration	40
2	Contractor Experience	30
3	Capacity: Staff experience	30
	TOTAL POINTS	100

Details of scoring Methodology presented above are outlined below

ITEM	CRITERIA	SUB-CRITERIA	SCORING	WEIGHT
1	Calibration	The supplier must provide calibration certificates for <ul style="list-style-type: none"> Multimeter Oscilloscope DC Power Supply unit 	Three calibration certificates (multimeter, Oscilloscope and DC Power supply) = 40 Two calibration certificates = 15 One calibration certificate = 5 No certificates = 0	40
2	Contractor Experience	Relevant to repairs related to statement of work; Supply detailed Information of accumulated Projects in the last 5 years with traceable references in the form of purchase orders (PO) or contracts or signed reference letters or signed invoices based on the thresholds listed in the scoring column.	<ul style="list-style-type: none"> Accumulated (contracts or PO or signed reference letters or signed invoices) > R1M = 30 Accumulated (contracts or PO or signed reference letters or signed invoices) 	30

ITEM	CRITERIA	SUB-CRITERIA	SCORING	WEIGHT
			R500,000.00 to R999,999.99 = 25 • Accumulated (contracts or PO or signed reference letters or signed invoices) R100,000.00 to R499,999.99 = 15 • Accumulated (contracts or PO or signed reference letters or signed invoices) < R100,000.00 = 5	
3	Capacity: Staff experience; Relevant to Statement of Work	<ul style="list-style-type: none"> Bidders must provide CV and certified qualifications (not older than 3 months) of staff that will be undertaking the repairs, indicating relevant experience pertaining to the Statement of work and their qualification. The following qualifications are acceptable: Electrician/Electrical Fitter/Electronics Technician/Engineering Technician (light or heavy current). 	Qualifications and CV with five years' experience and above = 30 Qualifications and CV with between three to four years' experience = 25 Qualifications and CV with between one to two years' experience = 15 Qualifications and CV under one year experience = 5	30
	TOTAL			100

2.2 Stage4- Price and B-BBEE

Evaluation criteria	Weighting
BBBEE	20
Price	80
TOTAL	100

$$PS = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where:

Ps = Score for the Bid under consideration

Pt = Price of Bid under consideration

$Pmin$ = Price of lowest acceptable Bid

Evaluation of Preference

Evaluation and final weighted scoring

- a) Broad-Based Black Economic Empowerment criteria [weighted score 20 points] Preference Points will be awarded to a bidder for attaining the B-BBEE status level contribution in accordance with the table indicated in [Section 8 B-BBEE claim form](#).

SECTION 4

PRICING AND DELIVERY SCHEDULE

Respondents are required to complete the attached Pricing Schedule **Annexure:**

- 1 Prices must be quoted in South African Rand, inclusive of VAT.
- 2 Price offer is firm and clearly indicate the basis thereof.
- 3 Pricing Bill of Quantity is completed in line with schedule if applicable.
- 4 Cost breakdown must be indicated.
- 5 Price escalation basis and formula must be indicated.
- 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.
- 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.
- 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:
 - 9 negotiate a market-related price with the Respondent scoring the highest points;;
 - 10 if that Respondent does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the second highest points;
 - 11 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;
 - 12 If a market-related price is not agreed with the Respondent scoring the third highest points, PRASA must cancel the RFQ.
 - 13 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 RFQ.

I / We _____ (Insert Name of Bidding Entity) of

_____ code _____

(Full address) conducting business under the style or title of: _____ represented

by: _____ in my capacity as:

_____ being duly authorised, hereby offer to

undertake and complete the above-mentioned work/services at the prices quoted in the bills of quantities / schedule of quantities
or, where these do not form part of the contract, at a lumpsum, of

_____ R
(amount in numbers);

_____ (amount in words) Incl. VAT.

DELIVERY PERIOD: Suppliers are requested to offer their earliest delivery period possible.

Delivery will be effected within working days from date of order. (To be completed by Service provider)

SECTION 5

PRASA GENERAL CONDITIONS OF PURCHASE

General

PRASA and the Supplier enter into an order/contract on these conditions to supply the items (goods/services/works) as described in the order/contract.

Conditions

These conditions form the basis of the contract between PRASA and the Supplier. Notwithstanding anything to the contrary in any document issued or sent by the Supplier, these conditions apply except as expressly agreed in writing by PRASA.

No servant or agent of PRASA has authority to vary these conditions orally. These general conditions of purchase are subject to such further special conditions as may be prescribed in writing by PRASA in the order/contract.

Local Content Obligations

Respondents are to note that the Local Content commitments made by the successful Respondent(s) will be incorporated as a term of the contract and monitored for compliance. Should the successful Respondent fail to meet its Local obligations, non-compliance penalties shall be applicable. Breach of Local Content obligations also provide PRASA cause to terminate the contract in certain cases where material non-compliance with Local Content requirements are not achieved.

Price and payment

The price or rates for the items stated in the order/contract may include an amount for price adjustment, which is calculated in accordance with the formula stated in the order/contract.

The Supplier may be paid in one currency other than South African Rand. Only one exchange rate is used to convert from this currency to South African Rand. Payment to the Supplier in this currency other than South African Rand, does not exceed the amounts stated in the order/contract. PRASA pays for the item within 30 days of receipt of the Suppliers correct tax invoice.

Delivery and documents

The Supplier's obligation is to deliver the items on or before the date stated in the order/contract. Late deliveries or late completion of the items may be subject to a penalty if this is imposed in the order/contract. No payment is made if the Supplier does not provide the item as stated in order/contract.

Where items are to be delivered the Supplier:

Clearly marks the outside of each consignment or package with the Supplier's name and full details of the destination in accordance with the order and includes a packing note stating the contents thereof; On dispatch of each consignment, sends to PRASA at the address for delivery of the items, an advice note specifying the means of transport, weight, number of volume as appropriate and the point and date of dispatch; Sends to PRASA a detailed priced invoice as soon as is reasonably practical after dispatch of the items, and states on all communications in respect of the order the order number and code number (if any).

Containers / packing material

Unless otherwise stated in the order/contract, no payment is made for containers or packing materials or return to the Supplier.

Title and risk

Without prejudice to rights of rejection under these conditions, title to and risk in the items passes to PRASA when accepted by PRASA.

Rejection

If the Supplier fails to comply with his obligations under the order/contract, PRASA may reject any part of the items by giving written notice to the Supplier specifying the reason for rejection and whether and within what period replacement of items or re-work are required.

In the case of items delivered, PRASA may return the rejected items to the Supplier at the Supplier's risk and expense. Any money paid to the Supplier in respect of the items not replaced within the time required, together with the costs of returning rejected items to the Supplier and obtaining replacement items from a third party, are paid by the Supplier to PRASA.

In the case of service, the Supplier corrects non-conformances as indicated by PRASA.

Warranty

Without prejudice to any other rights of PRASA under these conditions, the Supplier warrants that the items are in accordance with PRASA's requirements, and fit for the purpose for which they are intended, and will remain free from defects for a period of one year (unless another period is stated in the Order) from acceptance of the items by PRASA.

Indemnity

The Supplier indemnifies PRASA against all actions, suits, claims, demands, costs, charges and expenses arising in connection therewith arising from the negligence, infringement of intellectual or legal rights or breach of statutory duty of the Supplier, his subcontractors, agents or servants, or from the Supplier's defective design, materials or workmanship.

The Supplier indemnifies PRASA against claims, proceedings, compensation and costs payable arising out of infringement by the Supplier of the rights of others, except an infringement which arose out of the use by the Supplier of things provided by PRASA.

Assignment and sub-contracting

The Supplier may not assign or subcontract any part of this order/contract without the written consent of PRASA.

Governing law

The order/contract is governed by the law of the Republic of South Africa and the parties hereby submit to the non-exclusive jurisdiction of the South African courts.

SECTION 6

SBD4

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise,
employed by the state? **YES/NO**
- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

¹ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?
YES/NO

2.2.1 If so, furnish particulars:
.....
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?
YES/NO

2.3.1 If so, furnish particulars:
.....
.....

3 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature	Date
.....
Position	Name of bidder

SECTION 7

B-BBEE PREFERENCE POINTS CLAIM FORM

This preference form must form part of all bids invited. It contains general information and serves as a claim for preference points for Broad-Based Black Economic Empowerment [B-BBEE] Status Level of Contribution.

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to all bids:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- 1.2 The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the preference point system shall be applicable.
- 1.3 Either the **80/20** preference point system shall be applicable to this bid.
- 1.4 Preference points for this bid shall be awarded for:
- (a) Price; and
 - (b) B-BBEE Status Level of Contribution.

The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTION	20
Total points for Price and B-BBEE must not exceed	100

1.5.1 Failure on the part of a bidder to submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System [**SANAS**], or a sworn affidavit confirming annual turnover and level of black ownership in case of all EMEs and QSEs with 51% black ownership or more together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

2.1 “**all applicable taxes**” includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;

2.2 “**B-BBEE**” means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

2.3 “**B-BBEE status level of contributor**” means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

2.4 “**bid**” means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;

2.5 “**Black designated group**” has meaning assigned to it in codes of good practice issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act.

2.6 “**Black People**” meaning assigned to in Section 1 of Broad-Based Black Economic Empowerment Act.

2.7 “**Broad-Based Black Economic Empowerment Act**” means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);

2.8 “**CIPC**” means the Companies and Intellectual Property Commission, formerly known as CIPRO, the Companies and Intellectual Property Registration Office.

2.9 “**comparative price**” means the price after the factors of a non-firm price and all unconditional discounts that

can be utilized have been taken into consideration;

- 2.10 **“consortium or joint venture”** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- 2.11 **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.12 **“co-operative”** means a co-operative registered in terms of section 7 of Cooperatives Act, 2005 (Act No. 14 of 2005)
- 2.13 **“Designated Group”** means - i) Black designated groups; ii) Black People; iii) Women; iv) people with disabilities or v) Small enterprise, as defined in Section 1 of National Small Enterprise Act, (102 of 1996)
- 2.14 **“Designated Sector”** means, sub-sector or industry or product designated in terms of regulation 8(1)(a)
- 2.15 **“EME”** means an Exempted Micro Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.16 **“firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.17 **“functionality”** means the ability of a bidder to provide goods or services in accordance with specification as set out in the bid documents;
- 2.18 **“Military Veteran”** has meaning assigned to it in Section 1 of Military Veterans Act, 2011 (Act No. 18 of 2011);
- 2.19 **“National Treasury”** has meaning assigned to it in Section 1 of Public Finance Management Act, 1999 (Act No. 1 of 1999);
- 2.20 **“non-firm prices”** means all prices other than “firm” prices;
- 2.21 **“person”** includes a juristic person;
- 2.22 **“People with disabilities”** meaning assigned to it in terms of Section 1 of Employment Equity Act, 1998 (Act No. 55 of 1998)
- 2.23 **“Price”** includes all applicable taxes less all unconditional discounts.
- 2.24 **“Proof of B-BBEE Status Level of Contributor”** i) the B-BBBEE status level certificate issued by an unauthorised body or person; ii) a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or iii) any other requirement prescribed in terms of the Broad- Based Black Economic Empowerment Act.
- 2.25 **“Rural Area”** i) a sparsely populated area in which people farm or depend on natural resources, including villages and small towns that are dispersed through the area; or ii) an area including a large settlement which depends on migratory labour and remittances and government social grants for survival, and may have traditional land

tenure system.

- 2.26 “**QSE**” means a Qualifying Small Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.27 “**rand value**” means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.28 “**sub-contract**” means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.29 “**total revenue**” bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 9 February 2007;
- 2.30 “**Township**” means an urban living area that any time from the late 19th century until 27 April 1994, was reserved for black people, including areas developed for historically disadvantaged individuals post 27 April 1994
- 2.31 “**Treasury**” meaning assigned to it in Section 1 of the Public Finance Management Act, 1999 (Act No. 1 of 1999)
- 2.32 “**trust**” means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.33 “**trustee**” means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.
- 2.34 “**Youth**” meaning assigned to it in terms of Section 1 of National youth Development Agency Act, 2008 (Act No. 54 of 2008).

3. **ADJUDICATION USING A POINT SYSTEM**

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.
- 3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

4.

POINTS AWARDED FOR PRICE

4.1

THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 points is allocated for price on the following basis:

80/20

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

P_{\min} = Comparative price of lowest acceptable bid

5.

POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

5.1

In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

5.2

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

5.3

A bidder who qualifies as an EME in terms of the B-BBEE Act must submit a sworn affidavit confirming Annual Total Revenue and Level of Black Ownership. Furthermore EMEs may also obtain a sworn affidavit from CIPC (formerly CIPRO) Self Service Terminals when registering a business or filing annual returns. In these instances PRASA would require proof of turnover as well as proof of ownership. Sworn affidavits must substantially comply with the format that can be obtained on the DTI's website at www.dti.gov.za/economic_empowerment/bbe_codes.jsp.

- 5.4 QSEs that are at least 51% Black owned or higher are only required to obtain a sworn affidavit on an annual basis confirming that the entity has an Annual Total Revenue of R50 million or less and the entity's Level of Black ownership.
- 5.5 A Bidder other than EME or a QSE that is at least 51% Black owned must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating a Verification Agency accredited by SANAS.
- 5.6 A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE Status Level verification certificate for every separate bid.
- 5.7 Tertiary Institutions and Public Entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.8 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 5.9 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.
- 5.10 Bidders are to note that the rules pertaining to B-BBEE verification and other B-BBEE requirements may be changed from time to time by regulatory bodies such as National Treasury or the DTI. It is the Bidder's responsibility to ensure that his/her bid complies fully with all B-BBEE requirements at the time of the submission of the bid.

6. BID DECLARATION

- 6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

6.1.1 B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 5.1

- 6.2 B-BBEE Status Level of Contribution: . = (maximum of 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or a sworn affidavit.

7. SUB-CONTRACTING

- 7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES		NO	
-----	--	----	--

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....?.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME.

(Tick applicable box)

YES		NO	
-----	--	----	--

- v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

Designated Group: An EME or QSE which is at last 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4

TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

8.5

DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

8.6

COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

8.7

Total number of years the company/firm has been in business:.....

8.8

I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the
- iv) purchaser that the claims are correct;
- v) If a bidder submitted false information regarding its B-BBEE status level of contributor, local production and content, or any other matter required in terms of the Preferential Procurement Regulations, 2017 which will affect or has affected the evaluation of a bid, or where a bidder has failed to declare any subcontracting arrangements or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have.

- (a) disqualify the person from the bidding process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) if the successful bidder subcontracted a portion of the bidder to another person without disclosing it, PRASA reserves the right to penalise the bidder up to 10 percent of the value of the contract;
- (e) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (f) forward the matter for criminal prosecution.

WITNESSES

1.
2.

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

.....

.....

SECTION 8

SBD 6.2

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, 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.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

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 must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

	DESCRIPTION	Minimum Threshold for Local Content
@	10m5 Single Handed master controller	
1.	New Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Electric systems, 90%
2.	Repair Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Electric systems, 90%
3.	New Black Anodised & Powder Coated High Tensile Aluminium Cover Plate	Rail Rolling Stock, Electric systems, 90%
4	Repair Black Anodised & Powder Coated High Tensile Aluminium Cover Plate	Rail Rolling Stock, Electric systems, 90%
5	New Drivers Control Key(DCK) Keyhole Slot/Socket	Rail Rolling Stock, Electric systems, 90%
6	New Drivers Control Key(DCK) ON/OFF Lever	Rail Rolling Stock, Electric systems, 90%
7	New Forward and Reverse Directional Lever	Rail Rolling Stock, Electric systems, 90%
8	New Powering and Braking/Deadman switch/Notch switch Assembly Lever	Rail Rolling Stock, Electric systems, 90%
9	New Deadman Push Button Switch	Rail Rolling Stock, Electric systems, 90%
10	New Notch Push Button Switch	Rail Rolling Stock, Electric systems, 90%
11	New ON/OFF Lever Cam	Rail Rolling Stock, Electric systems, 90%
12	New Directional Lever Cam	Rail Rolling Stock, Electric systems, 90%
13	New Powering and Braking Lever Cam	Rail Rolling Stock, Electric systems, 90%
14	New Cam Shaft Assembly including Vesconite bearings	Rail Rolling Stock, Electric systems, 90%
15	New Valve (R-3-1/4B) with Lever	Rail Rolling Stock, Electric systems, 90%

16	New Main Air Chamber	Rail Rolling Stock, Electric systems, 90%
17	New Valve (VL/0-3-1/4)	Rail Rolling Stock, Electric systems, 90%
18	New Solenoid Valve (MFH-3-M5)	Rail Rolling Stock, Electric systems, 90%
19	New Solenoid for valve (MFHG-96/110) 110Vdc	Rail Rolling Stock, Electric systems, 90%
20	New Wago Plug crimp socket strip (DIN rail type fitting)	Rail Rolling Stock, Electric systems, 90%
21	New DIN rail	Rail Rolling Stock, Electric systems, 90%
22	New Air pipe Couplers	Rail Rolling Stock, Electric systems, 90%
23	New Micro switch with lever (S847 W3B2e)	Rail Rolling Stock, Electric systems, 90%
24	New Diode BY2000 (2000 Volt; 3 Amp)	Rail Rolling Stock, Electric systems, 90%
25	New Air Pipe	Rail Rolling Stock, Electric systems, 90%
26	New Wire Electrical Multi-strand 2mm ²	Rail Rolling Stock, Electric systems, 90%
27	New Screws (Stainless steel)	Rail Rolling Stock, Electric systems, 90%
28	New Nuts (Stainless steel)	Rail Rolling Stock, Electric systems, 90%
29	New Electrical switches	Rail Rolling Stock, Electric systems, 90%
30	New Solenoid coil	Rail Rolling Stock, Electric systems, 90%
31	Assemble	Rail Rolling Stock, Electric systems, 90%
32	Test for full functionality	Rail Rolling Stock, Electric systems, 90%

33	Supply new single-handed master controller	Rail Rolling Stock, Electric systems, 90%
b)	10m5 Vigi-drive	
1	New Metal Electroplated Base Plate with 10 threaded Stud mounts	Rail Rolling Stock, Electric systems, 90%
2	New Metal Electroplated Cover with 4 mounting holes	Rail Rolling Stock, Electric systems, 90%
3	New PCB Spacer HEX Stand-Off Pillar 55mm long	Rail Rolling Stock, Electric systems, 90%
4	New Cover Mounting Cap Screw Stainless Steel	Rail Rolling Stock, Electric systems, 90%
5	New PCB Double sided	Rail Rolling Stock, Electric systems, 90%
6	New Relay and base OA5602.18/2016L1/61, 110 Volt coil, 10 Amp Contacts	Rail Rolling Stock, Electric systems, 90%
7	New Diode BY2000, 2000 Volt, 3 Amp	Rail Rolling Stock, Electric systems, 90%
8	New Resistor Carbon Film, 1 Watt, 5% tolerance	Rail Rolling Stock, Electric systems, 90%
9	New Resistor Carbon Film, ½ Watt, 1% tolerance	Rail Rolling Stock, Electric systems, 90%
10	New Resistor Wire wound, 5 Watt, 5% tolerance	Rail Rolling Stock, Electric systems, 90%
11	New Capacitor 330nF 250 Volt, Polyester	Rail Rolling Stock, Electric systems, 90%
12	New Capacitor 22µF 160 Volt, Electrolytic, Radial	Rail Rolling Stock, Electric systems, 90%
13	New Capacitor 47µF 160 Volt, Electrolytic, Radial	Rail Rolling Stock, Electric systems, 90%
14	New e Capacitor 220µF 250 Volt, Electrolytic, Radial	Rail Rolling Stock, Electric systems, 90%
15	New Transient-Voltage-Suppression Diode KE16A 1500 Volt	Rail Rolling Stock, Electric systems, 90%

16	New Hex FET Power MOSFET IRF1840, 500 Volt, 4.5 Amp	Rail Rolling Stock, Electric systems, 90%
17	New LED Classic Red 3mm LT-0074	Rail Rolling Stock, Electric systems, 90%
18	New Holder for 3mm LED, Black Plastic, 90° angle.	Rail Rolling Stock, Electric systems, 90%
19	New PCB Mount Terminal Block, 5-Pin	Rail Rolling Stock, Electric systems, 90%
20	New PCB Mount Terminal Block, 10-Pin	Rail Rolling Stock, Electric systems, 90%
21	New PCB Mount Terminal Block, 12-Pin	Rail Rolling Stock, Electric systems, 90%
22	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%
23	Test for full functionality	
24	Supply new vigi drive	Rail Rolling Stock, Electric systems, 90%
c)	10m5 Emergency brake valve	
1	New Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Braking systems, 80%
2	Repair Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Braking systems, 80%
3	New Black Anodised & Powder Coated High Tensile Aluminium Cover Plate	Rail Rolling Stock, Braking systems, 80%
4	Repair Black Anodised & Powder Coated High Tensile Aluminium Cover Plate	Rail Rolling Stock, Braking systems, 80%
5	New Emergency Braking Lever	Rail Rolling Stock, Braking systems, 80%
6	New Safety Catch Pin	Rail Rolling Stock, Braking systems, 80%
7	New PVC Cam Braking Assembly	Rail Rolling Stock, Braking systems, 80%
8	Repair PVC Cam Braking Assembly	Rail Rolling Stock, Braking systems, 80%

9	New SIL Male Power Terminal 8-Way	Rail Rolling Stock, Braking systems, 80%
10	New Micro switch with lever (S847 W3B2e)	Rail Rolling Stock, Braking systems, 80%
11	New Solenoid Valve (MFH-3-M5)	Rail Rolling Stock, Braking systems, 80%
12	New Solenoid for valve (MFHG-96/110) 110Vdc	Rail Rolling Stock, Braking systems, 80%
13	New Main Brake Valve Assembly with mounting.	Rail Rolling Stock, Braking systems, 80%
14	Repair Main Brake Valve Assembly with mounting.	Rail Rolling Stock, Braking systems, 80%
15	New Air pipe Couplers.	Rail Rolling Stock, Braking systems, 80%
16	New Air Pipe.	Rail Rolling Stock, Braking systems, 80%
17	New Wire Electrical Multi-strand 2mm ²	Rail Rolling Stock, Braking systems, 80%
18	New Screws (Stainless steel)	Rail Rolling Stock, Braking systems, 80%
19	New Nuts (Stainless steel)	Rail Rolling Stock, Braking systems, 80%
20	New Solenoid coil	Rail Rolling Stock, Braking systems, 80%
21	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%
22	Test for full functionality	Rail Rolling Stock, Assembly of locomotive, 100%
23	Supply new emergency brake valve	Rail Rolling Stock, Braking systems, 80%
d)	10m5 Auxiliary Earthing Switch	
1	New Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Electric systems, 90%

2	New Lever 1 HVCDIL Aluminium with Drivers Control Key Keyhole Slot/Socket Lever Assembly	Rail Rolling Stock, Electric systems, 90%
3	New Drivers Control Key Slot/Socket Mechanism	Rail Rolling Stock, Electric systems, 90%
4	New Lever 2 HVCDL Aluminium Lever Assembly	Rail Rolling Stock, Electric systems, 90%
5	New Lever 1 HVCDIL Cam Aluminum	Rail Rolling Stock, Electric systems, 90%
6	New Lever 2 HVCDL Cam Aluminum	Rail Rolling Stock, Electric systems, 90%
7	New Insert for Master Key	Rail Rolling Stock, Electric systems, 90%
8	New Master Key Lock Mechanism	Rail Rolling Stock, Electric systems, 90%
9	New e Lever 2 HVCDL Linkage Connector	Rail Rolling Stock, Electric systems, 90%
10	New Cam Controlled Interlock Mechanism	Rail Rolling Stock, Electric systems, 90%
11	Repair Cam Controlled Interlock Mechanism	Rail Rolling Stock, Electric systems, 90%
12	New SIL Male Power Terminal 8-Way	Rail Rolling Stock, Electric systems, 90%
13	New Micro switch with lever (S847 W3B2e)	Rail Rolling Stock, Electric systems, 90%
14	New Switch Valve (R-3-1/4B) with Lever	Rail Rolling Stock, Electric systems, 90%
15	New Wire Electrical Multi-strand 2mm ²	Rail Rolling Stock, Electric systems, 90%
16	New Screws (Stainless steel)	Rail Rolling Stock, Electric systems, 90%
17	New Nuts (Stainless steel)	Rail Rolling Stock, Electric systems, 90%
18	New Clips(Stainless steel)	Rail Rolling Stock, Electric systems, 90%

19	New Pins(Stainless steel)	Rail Rolling Stock, Electric systems, 90%
20	New key	Rail Rolling Stock, Electric systems, 90%
21	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%
22	Test for full functionality	Rail Rolling Stock, Assembly of locomotive, 100%
23	Supply new auxiliary earthing switch	Rail Rolling Stock, Electric systems, 90%
e)	10m5 HT Earthing Switch	
1	New Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Electric systems, 90%
2	New Lever 1 HVCDIL Aluminium with (DCK) Keyhole Slot/Socket Lever Assembly	Rail Rolling Stock, Electric systems, 90%
3	New Drivers Control Key Slot/Socket Mechanism	Rail Rolling Stock, Electric systems, 90%
4	New Lever 2 HVCDS Aluminium	Rail Rolling Stock, Electric systems, 90%
6	New Lever 1 HVCDIL Cam Aluminium	Rail Rolling Stock, Electric systems, 90%
6	New Lever 2 HVCDS Cam Aluminium	Rail Rolling Stock, Electric systems, 90%
7	New Insert for Master Key	Rail Rolling Stock, Electric systems, 90%
8	New Master Key Lock Mechanism	Rail Rolling Stock, Electric systems, 90%
9	New Lever 2 HVCDS Linkage Connector	Rail Rolling Stock, Electric systems, 90%
10	New Cam Controlled Interlock Mechanism	Rail Rolling Stock, Electric systems, 90%
11	Repair Cam Controlled Interlock Mechanism	Rail Rolling Stock, Electric systems, 90%

12	New Shunt Strap	Rail Rolling Stock, Electric systems, 90%
13	New SIL Male Power Terminal 8-Way	Rail Rolling Stock, Electric systems, 90%
14	New Micro switch with lever (S847 W3B2e)	Rail Rolling Stock, Electric systems, 90%
15	New Wire Electrical Multi-strand 2mm ²	Rail Rolling Stock, Electric systems, 90%
16	New Screws (Stainless steel)	Rail Rolling Stock, Electric systems, 90%
17	New Nuts (Stainless steel)	Rail Rolling Stock, Electric systems, 90%
18	New Clips(Stainless steel)	Rail Rolling Stock, Electric systems, 90%
19	New Pins(Stainless steel)	Rail Rolling Stock, Electric systems, 90%
20	New key	Rail Rolling Stock, Electric systems, 90%
21	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%
22	Supply new HT earthing switch	Rail Rolling Stock, Electric systems, 90%

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES		NO	
-----	--	----	--

3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

- Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION

(REFER TO ANNEX B OF SATS 1286:2011)

**LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON
NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY
(CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution): PRASA KKZN RAIL

NB

- The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thdti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data _____ that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

SECTION 9

COMMISSIONER OF OATH

I certify that the undersigned service provider has acknowledged that he/she has / have acquainted himself / themselves with the Contract, Project Specification / Special Conditions, Specifications and / or Bills of Quantities / Schedule of Quantities / Schedule of Prices, together with the drawings enumerated therein, as laid down by PRASA for the carrying out of the proposed WORKS knows and understands the contents of this document, that he/she does not have any objection to taking the oath, and that he/she considers it to be binding on his/her conscience, and which was sworn to and signed before me at _____ on this the _____ day of _____ 20____, and that the administering oath complied with the regulations contained in Government Gazette No. R 1258 of 21 July 1972, as amended.

_____ (Sign – SERVICE PROVIDER)

_____ (Name – SERVICE PROVIDER)

COMMISSIONER OF OATHS STAMP AND DETAILS OF PERSON

STAMP:

NAME & SURNAME:

DESIGNATION/RANK:

PERSAL/EMPLOYEE NO:

PLACE/DATE:

SCOPE OF WORK**1. INTRODUCTION**

The purpose of this project is to obtain the services of a suitably qualified organisation to provide repairs to single handed master controller, vigi- drive, emergency brake valve, auxiliary high tension earthing switch and high tension earthing switch for 10m5 motor coaches over a period of thirty six months.

2. BACKGROUND INFORMATION

KZN Rolling stock department is responsible for the repairs and servicing of coaches in the region. To perform this task and ensure a safe and reliable service, these items must be changed out when they become defective or worn.

The master controller, vigi-drive and emergency brake valve is located in the driving cab. These components are used by the driver to control the movement of the trainset.

Whereas the earthing switches are used to isolate the coach from 3000 volts direct current thus allowing the technician to work in the high voltage compartments.

These components are inspected and tested during routine maintenance and must be changed out when they are deemed to be defective.

a. STATUS QUO

In the absence of a contract no stock will be replenished and we will therefore not be able to support our operational requirements

b. PROBLEM STATEMENT

Previously this item was procured every quarter on a three quote system. Due to an audit finding as per policy, this system of procurement was deemed to be parcelling. Stock outs have a negative effect on train availability and also increases delays and cancellations. Therefore Train Operations will be forced to reduce the number of coaches per train set. In some cases the entire trainset will have to be removed from service. The ripple effect of this is:

- Overcrowding on trains that are in service
- Safety risks imposed on commuters which could be fatal
- Abnormal stress placed on the high voltage rotating machines and braking systems.
- Commuters sitting in-between coaches, hence tramping cables and causing in-service delays and cancellations

c. PICTORIALS



Fig 1 – Vigi-drive, Earthing switches, Master controller and Emergency brake valve



Fig 2 – Master controller (MC) and Brake valve (BV) located on a coach



Fig 3- Earthing switches on a coach



Fig 4– High tension compartment on a coach

3. OBJECTIVE OF THE PROPOSED PROJECT

a. DESIRED OUTCOMES FOR CARRYING OUT THE PROPOSED PROJECT

The main objective of the contract is to improve the availability of trainsets by meeting the required daily trainset demands for income generation, commuter satisfaction and passenger safety.

b. PROJECT BENEFITS TO PRASA

This contract will enable PRASA to meet its customer needs by ensuring a stable and maintainable trainset fleet for operational improvement. This contract will add value by sustaining passenger safety, reducing train delays and cancellations caused by material shortages.

c. CURRENT MECHANISMS IN PLACE TO ADDRESS THE PROBLEM

- A Purchase agreement was in place for the value of R1M over a period of 12 months. This contract ended in December 2021.
- Borrow from other regions, this is depended on stock availability
- Cannibalize from stopped coaches which is not recommended due to premature failure.

4. SCOPE OF WORK AND AREAS OF FOCUS

a. SCOPE OF THE DESIRED SOLUTION

Setup a contract for the repairs to single handed master controller, vigi- drive, emergency brake valve, auxiliary high tension earthing switch and high tension earthing switch for 10m5 motor coaches on an “as-and-when” basis over a period of 36 months for contractors that undergo and meet the minimum requirements

b. DETAILS ON THE PREFERRED SOLUTION

- The listed components are a daily maintenance requirement for Rolling Stock maintenance teams and are regarded as critical; therefore there must always be a stable and sustained float.
- This will further allow PRASA to comply with its own safety standard set in the checklists and to address the RSR improvement directive in a long term basis

c. TARGETED AREA BY THIS PROJECT

This contract and its service, target all KZN Metrorail Rolling Stock coaches

d. OTHER RELATED PROJECTS

None

5. TECHNICAL SPECIFICATION OF THE SERVICES REQUIRED

This contract covers the repairs to single handed master controller, vigi- drive, emergency brake valve, auxiliary high tension earthing switch and high tension earthing switch for 10m5 motor coaches over a period of three years for KZN Metrorail.

5.1 SPECIFICATIONS:



Vigi-drive, Earthing switches, Master controller and Emergency brake valve

5.1.1 Single handed master controller (SHMC)

- The triple lever 10M5 master controller is used as a single hand control for authorisation, direction, power and brake operations. Designed as a single and more

user-friendly replacement for the traditional set of controls of the 10M based locomotive.

- Lever one, ON/OFF
- Lever two, directional
- Lever three, power and braking
- Horizontal pushbutton, dead man's switch
- Vertical pushbutton, incremental speed increase
- Provision has been made for a dead man's system.
- The controller is fitted with a pushbutton on the main control lever that forces the driver to press or depress the button after extended periods of inactivity.
- Single unit controlling many functions and operations.
- Interlock mechanism prevents wrongful selection of drive.
- Dimensions- Weight: 11.6kg
- Materials used Black anodised and powder coated high tensile aluminium frame, levers and cover plate.
- Stainless steel screws and nuts, used for oxidation free properties.
- Electric parameters
- Check Limit switches S847* S870* for functionality and change if defective
- Conventional thermal current: 10A,
- Rated insulation voltage (V): 250V to 400V
- Used at 110V DC
- S870- switches: in Power/brake lever;
- S847- cam following switches
- Pneumatic parameters: Maximum pressure: 8 bar & Minimum pressure : 4 bar
- Maintenance: No lubrication required due to dry running Vesconite bearings.
- Heavy duty design requires only maintenance if breakage occurs.
- Check that none of the 3 levers are damaged or bent.
- The DCK Socket is intact and check locking function.
- No physical or visual damage to the frame.
- No physical or visual damage to the valves.
- No physical or visual damage to the micro switches.
- No physical or visual damage to the WAGO plugs and connectors.
- No physical or visual damage to the wiring.
- The 2 diodes are still connected on the WAGO Strip.
- The pipes between the valves are present, connected and not blocked
- Check that DCK socket functions properly (cannot be turned by any other means besides Drivers Control Key).
- Replace DCK socket if necessary
- Check that DCK lever can move freely between ON and OFF positions when DCK is on.
- Check that Forward and Reverse lever can move freely between FORWARD (F) and REVERSE(R) positions when DCK is on and DCK lever is in the ON position.
- Check that Powering and Braking lever can move freely between the OFF positions to SER. PAR. WF. LAP. ON, EMR and REVERSE positions when DCK is on and DCK lever is in the ON position and the Forward and Reverse lever is in either 'F' or 'R' positions.
- Check that both the 'Deadman' and 'Notch' switches are not stuck.
- Check full functionality of Master Controller

5.1.2 *Vigi- drive*

- The purpose of the Vigi-drive system is to ensure that the driver is vigilant at all times while the system is active.
- If the driver remains passive an alarm is sounded and if still no activity is detected the emergency brakes will be applied.
- The system has been designed for ease of operation and improved safety of the trainsets.
- There is a Deadman function, which will cause an Emergency Brake Application and Traction Shutdown after a short time when a Deadman trigger is detected.
- In addition there is a vigilance mode that requires to be reset after a variable period of about 30 to 50 seconds.
- Failure to reset the Vigilance mode will cause an Emergency Brake Application.
- The driver is given an audible alarm when the system needs to be reset.
- The system is deactivated in the following conditions:
 - When cab is vacated and the train is stationary and the Forward/Reverse lever is in the Neutral Position.
- Deadman Mode: While the train is moving, or the Forward/Reverse lever is not in neutral, then the system is active, and the Deadman push button must be depressed at all times.
- System Validation and Reset: To verify that the Deadman system is functioning correctly, it is a requirement that the system be reset when the Powering/Braking lever is moved from any powering position to the OFF position.
- When the OFF position is attained, the alarm will sound reminding the driver that the Deadman System has to be reset.
- To reset the system, the driver must release and again depress the Deadman Push Button.
- This will cause the system to reset and the alarm will stop sounding.
- Failure to reset the system after a short time limit will cause an Emergency Brake Application and Traction Shutdown.
- Deadman Operation: If the Deadman Push Button is released at any time while the system is active, an Emergency Brake Application will be made without any warning after a short time delay.
- To allow for hand repositioning, the Deadman Push Button may be released and again quickly depressed without the Deadman system triggering an Emergency Brake.
- If the Emergency Brake Application occurs while in the powering mode, then the Powering/Braking lever must be returned to the OFF position to reset the Deadman system.
- Vigilance Mode: When the Deadman Push Button has been continuously depressed for a variable period between 30 and 50 seconds, the alarm will sound reminding the driver that the Vigilance System has to be reset.
- To reset the system, the driver must release and again depress the Deadman Push Button irrespective of the position of the Powering/Braking lever.
- This will reset the system and the alarm will stop sounding.
- Failure to reset the system after a short time limit will cause an Emergency Brake Application.

- If the Emergency Brake Application occurs while in the powering mode, then the Powering/Braking lever must be returned to the OFF position to reset the Deadman system.
- When the Single Handed Master Controller (SHMC) is in the OFF or any Braking position, and the Deadman Push Button is released and again depressed after even a very short time, the 50-second timer will be reset before the timer has expired.
- The 50-second timer will therefore only provide a warning signal and require to be reset if the push button has been depressed continuously for more than 30 to 50 seconds.
- When the SHMC is in any Powering position, and the Deadman Push Button is released and again depressed, there will be no effect on the 50-second timer.
- The timer will not be reset in this mode
- Check that the casing is intact and not physically damaged.
- Check that all 10 LED's are still present and mounted to the printed circuit board (PCB).
- Check for burnt PC boards. Replace if found burnt.
- Check that the three plug connectors, CN1, CN2 & CN3 are intact and still connected to the PCB.
- Check that the 4 threaded mounts are still present at the bottom of the Vigi-drive unit.
- Check that LED indication sticker is present and legible.
- Check that the 4 hexagon cap screws that hold the cover are not stripped and can be unscrewed.
- Check that the 4 threaded mounts at the bottom of the Vigi-drive unit are not stripped.
- Test diodes and relays
- Check full functionality of Vigi Drive

5.1.3 Emergency brake valve

- The Emergency Valve Applicator functions as a stand-alone unit for engaging the emergency brakes
- The unit mechanically nullifies the brake unit vacuum when engaged.
- The one lever unit fits into the driver cabin and bolts onto the vacuum system of the brakes.
- The lever has two positions, ON and OFF.
- The unit also features a safety pin that locks when ON is engaged.
- The unit breaks the vacuum, when engaged, by mechanically opening a valve which is directly connected to the air vacuum system.
- Simultaneously a Normally open/Normally closed electric switch is triggered that turns the exhausters off until the Emergency brake is disengaged.
- A pin locks the lever in the ON position.
- Resistance is offered against the engagement of the brakes by two pistons that pushes against the upward motion of the lever through positive air pressure applied to their cylinders.
- These pistons and cylinders are made from Copolymer to counter corrosion, especially when used in coastal areas.
- The force needed to overcome the force exerted on the handle by the piston is in the region of 50kg or 490N.

- To engage the brake, opening the valve, the lever must be pushed into the ON position.
- The large amount of resistance provided from two pistons pushing downward causes that a person will not easily engage the brake in a situation that is irrelevant to the application of the brake, such as a being used as a handbrake.
- The interface with the operator consists out of a single lever that when engaged, opening the valve, locks a pin in place that prevents the lever from returning to the OFF position by accident.
- To return the lever to the OFF position the pin must be lifted by the operator.
- The pin is situated on the lever itself but placed so that the pin can only be lifted by intent.
- The pin is incorporated into the design, as a safety precaution to ensure that when a scenario arises where the locomotive experiences extreme forces, such as in a derailling, the lever does not jump back to OFF.
- Check that the casing is intact and not physically damaged.
- Check full functionality of Emergency Brake valve.

5.1.4 Auxiliary high tension (HT) earthing switch

- The interlock kit is a set of controls, consisting out of a two interface plates and a set of keys with a double-bolt lock for a door.
- The plates serve purpose of triggering the lowering and raising of the pantographs and grounding the electricity.
- The keys force a process whereby the appropriate course of activation, or deactivation, of the controls and components of the train is followed.
- The two plates each have two levers and two keyholes. Lever one, on both plates, has a hole where the DCK (Driver Control Key) is to be used.
- The other keyhole is for the key that fits in both the lock (used in the door to other controls) and the panel.
- This keyhole is colour coded and is to be used in conjunction with the double-bolt lock.
- The Auxiliary high tension plate consists of two levers each triggering two normally open /normally closed electric snap switches and a pneumatic switch actuated by lever one.
- Provided is a lock set with one lock and two keys, colour coded (blue and orange).
- Lever one has a locked built in which can only be unlocked with the drivers control key.
- The lock built into the panel is locked by the blue key that is used on the lock provided as well.
- The lock provided is fitted to a door that encloses other, high voltage, controls.
- The lock has two keyholes.
- Both plates' works in exactly the same way to the operator (only differ in the key colours).
- With the Auxiliary high tension plate and its accompanying components lock the door using the blue key thus freeing other controls circuits.
- In this stadium the orange key is captive in the double-bolt lock with the door locked closed.
- From here the drivers control key is used to unlock Lever one and then the lever can be turned.
- When the lever is in the live position the drivers control key can be removed again.
- Thus the drivers control key is never captive in the process.

- If and only if Lever one is in the live position and the blue key is used on the panel can Lever two be turned.
- To return the levers to the earthed position first Lever two must be moved to Earth where after the drivers control key must be inserted and then lever one can be moved to then Earthed position.
- Both the drivers control key and the blue key can be removed.
- The blue key can now be used to unlock the door to the controls, the blue key is captive when the door is open and the orange key can be removed.
- The reason for this process is to hand authority to the right person at the right time through the capabilities of the keys.
- The driver handles the drivers control key and a technician handles the colour coded keys.
- Check for any physical damage to the Auxiliary isolating switch frame.
- Check for excessive wear on the cams.
- Check for any damage to the air valve.
- Check that the drivers control key socket is not physically damaged.
- Check that the respective Blue and Orange Master Keys socket is not physically damaged.
- Check that the two levers are not damaged.
- Check that the electrical plugs and wiring is not damaged.
- Check that the micro switches are not burnt or damaged.
- Inspection mechanical linkages/levers for defects:
- Check that driver control key socket cannot be turned by any other means than with a drivers control key.
- Check that lever 1 turns 90° when the driver control key is inserted and turned.
- Check that the micro switches are switching when lever is turned.
- Check that lever 2 turns 90° when respective master key is inserted and turned
- Check that the micro switches are switching when lever is turned.
- Check full functionality of the Auxiliary Earthing switch

5.1.5 High tension earthing switch

- The interlock kit is a set of controls, consisting out of a two interface plates and a set of keys with a double-bolt lock for a door.
- The plates serve purpose of triggering the lowering and raising of the pantographs and grounding the electricity.
- The keys force a process whereby the appropriate course of activation, or deactivation, of the controls and components of the train is followed.
- The two plates each have two levers and two keyholes.
- Lever one, on both plates, has a hole where the DCK (Driver Control Key) is to be used.
- The other keyhole is for the key that fits in both the lock (used in the door to other controls) and the panel.
- This keyhole is colour coded and is to be used in conjunction with the double-bolt lock.
- The high tension plate consists of two levers. Lever one actuating two normally open/normally closed electric snap switches and a pneumatic switch.
- Lever two actuates two normally open/normally closed electric snap switches.
- As with the Auxiliary high tension kit there is a lock set provided, with one double-bolt lock and two keys, colour coded (yellow and green).
- Lever one has a locked built in which can only be unlocked with the driver control key.
- The lock built into the panel is locked by the green key that is used on the lock provided as well.

- The lock provided is fitted to a door that encloses other, high voltage, controls (different to those of the Auxiliary high tension switch).
- The lock has two keyholes.
- Both plates' works in exactly the same way to the operator (only differ in the key colours).
- With the Auxiliary high tension plate and its accompanying components lock the door using the blue key thus freeing the other controls circuits
- In this stadium the orange key is captive in the double-bolt lock with the door locked closed.
- From here the driver control key. is used to unlock Lever one and then the lever can be turned.
- When the lever is in the live position the driver control key can be removed again.
- Thus the driver control key is never captive in the process.
- If and only if Lever one is in the live position and the blue key is used on the panel can Lever two be turned.
- To return the levers to the Earthed position first Lever two must be moved to Earthed where after the driver control key must be inserted and then Lever one can be moved to then Earthed position.
- Both the driver control key. and the blue key can be removed.
- The blue key can now be used to unlock the door to the controls, the blue key is captive when the door is open and the orange key can be removed.
- The reason or this process is to hand authority to the right person at the right time through the capabilities of the keys.
- The driver handles the driver control key and a technician handles the colour coded keys.
- Check for any physical damage to the High tension earthing switch frame.
- Check for excessive wear on the cams.
- Check for any damage to the air valve.
- Check that the driver control key. socket is not physically damaged.
- Check that the respective Green and Yellow Master Keys socket is not physically damaged.
- Check that the two levers are not damaged.
- Check that the electrical plugs and wiring is not damaged.
- Check that the micro switches are not burnt or damaged.
- Check that driver control key socket cannot be turned by any other means than with a drivers control key.
- Check that lever 1 turns 90° when the driver control key.is inserted and turned.
- Check that the micro switches are switching when lever is turned.
- Check that lever 2 turns 90° when respective master key is inserted and turned
- Check that the micro switches are switching when lever is turned.
- Check full functionality of High Tension (HT) earthing switch.

5.2 TOOLS REQUIRED

The following tools are required in order to repair components as listed on the bill of quantity.

- Calibrated multimeter
- Calibrated Oscilloscope
- Calibrated DC Power supply unit

5.3 WARRANTY

The supplier shall, at their cost, replace the components failing prematurely or proving unsatisfactory in service for reasons attributed to defective / faulty design, defective material or poor workmanship within a period of 12 months from the date of fitment. This warranty shall survive, notwithstanding the fact that the components may have been inspected, accepted and payment thereof made by the PURCHASER.

5.4 PACKAGING

- Due to the sensitivity of the component they must be individually bubble wrapped and packaged in a box
- Components will be sent for repairs in batches of no less than 5 units at a time

5.5 PREVIOUS EXPERIENCE

- Contractors to supply detailed information of projects that were done which are of similar nature. Only purchase orders, contracts, signed reference letters or signed Invoices will be accepted.
- Reference letters must indicate monetary value of work that was carried out
- These Purchases orders, contracts, signed reference letters or signed invoices must be related to the repairs as listed in the statement of work.
- Qualifications and CV of staff that will be undertaking the repairs, indicating their qualification and relevant experience pertaining to the Statement of work. The following qualifications are acceptable: Electrician/Electrical Fitter/Electronics Technician/Engineering Technician (light or heavy current).

5.6 TRANSPORT:

- Collection from and delivery to the KZN Springfield depot will be at the cost of the Supplier. This cost must be factored into the final price of the component.
- While in transit, to and from Rolling Stock Springfield depot, the supplier will be held liable/responsible for the loss or damages to the components.

5.7 DELIVERY:

- Ten days to strip and quote after collection of the components
- Twenty working days from date of Purchase Order to repair and deliver the components.
- Purchase orders will be issued on an as and when basis throughout the duration of the contract.

5.8 PENALTIES:

- Should the Contractor fail to deliver on the agreed date, a penalty of 1 percent per day will be charged on the total value of the Purchase order(PO) but shall not exceed 10 percent of the total value of the PO.
- Metrorail KZN reserves the right to test the product at any given time during the contract period for compliance. The Supplier will be held liable with costs for any deviations in the specifications which may have resulted in damages and

downtime to Rolling Stock equipment. . A meeting will be convened by both parties (Metrorail KZN and the Contractor) to discuss the outcome of the investigation and costs incurred were necessary.

5.9 COMPLIANCE:

- Components that were refurbished and delivered which are found to be non-conforming will be returned to the supplier at their own transport cost. The contractor will be allowed 10 working days to correct the non-conformance and return the refurbished components to PRASA.
- All specifications listed in this tender must be met.
- Test certificates for **each** unit must be supplied.

5.10 TERMINATION OF CONTRACT:

Metrorail KZN reserves the right to cancel the contract at any time during the stipulated period due to the contractor not performing according to the requirements of the agreement.

5.11 MEASUREMENTS AND PAYMENTS:

- Any rejected and incomplete work will not be paid for until it is rectified.
- Completed work will be inspected and Invoices will be submitted to finance department after it has passed inspection and testing.

6. TIME FRAMES / PROGRAMS

Contract period

This contract will be over a period of thirty-six months. The contract will terminate, either when the thirty-six months or the contract value is reached, whichever comes first.

Program of works

The contract will be driven by maintenance demand that arises as PRASA continuously executes the recovery plan to increase and number of trains in service and sustain.

7- Technical / Functionality Requirements

Qualifying bidders shall be evaluated on technicality / functionality after meeting all compliance requirements outlined above. The minimum threshold for the technical/functionality requirements is 80%. Bidders who score below the minimum requirement shall not be considered for further evaluation in stage 3.

Summary of the technical/functional requirements are presented in the table 7.2 below.

ITEM	CRITERIA	WEIGHT
1	Calibration	40
2	Contractor Experience	30
3	Capacity: Staff experience	30
	TOTAL POINTS	100

Table 7.2: Technical Evaluation Criteria

Details of the scoring methodology presented above are outlined below:

ITEM	CRITERIA	SUB-CRITERIA	SCORING	WEIGHT
1	Calibration	<p>The supplier must provide calibration certificates for</p> <ul style="list-style-type: none"> Multimeter Oscilloscope DC Power Supply unit 	<p>Three calibration certificates (multimeter, Oscilloscope and DC Power supply) = 40</p> <p>Two calibration certificates = 15</p> <p>One calibration certificate = 5</p> <p>No certificates = 0</p>	40
2	Contractor Experience	<p>Relevant to repairs related to statement of work;</p> <p>Supply detailed Information of accumulated Projects in the last 5 years with traceable references in the form of purchase orders (PO) or contracts or signed reference letters or signed invoices based on the</p>	<ul style="list-style-type: none"> Accumulated (contracts or PO or signed reference letters or signed invoices) > R1M = 30 Accumulated (contracts or PO or signed reference letters or signed invoices) R500,000.00 to R999,999.99 = 25 	30

ITEM	CRITERIA	SUB-CRITERIA	SCORING	WEIGHT
		thresholds listed in the scoring column.	<ul style="list-style-type: none"> Accumulated (contracts or PO or signed reference letters or signed invoices) R100,000.00 to R499,999.99 = 15 Accumulated (contracts or PO or signed reference letters or signed invoices) < R100,000.00 = 5 	
3	Capacity: Staff experience; Relevant to Statement of Work	<ul style="list-style-type: none"> Bidders must provide CV and certified qualifications (not older than 3 months) of staff that will be undertaking the repairs, indicating relevant experience pertaining to the Statement of work and their qualification. The following qualifications are acceptable: Electrician/Electrical Fitter/Electronics Technician/Engineering Technician (light or heavy current). 	<p>Qualifications and CV with five years' experience and above = 30</p> <p>Qualifications and CV with between three to four years' experience = 25</p> <p>Qualifications and CV with between one to two years' experience = 15</p> <p>Qualifications and CV under one year experience = 5</p>	30
	TOTAL			100

SECTION 11

BILL OF QUANTITIES

a. 10 m5 Single handed master controller

NO	ITEM DESCRIPTION	% LOCAL CONTENT	UOM	QTY	UNIT PRICE	
1	Strip and quote		Each	1		
2	New Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Electric systems, 90%	Each	1		
3	Repair Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Electric systems, 90%	Each	1		
4	New Black Anodised & Powder Coated High Tensile Aluminium Cover Plate	Rail Rolling Stock, Electric systems, 90%	Each	1		
5	Repair Black Anodised & Powder Coated High Tensile Aluminium Cover Plate	Rail Rolling Stock, Electric systems, 90%	Each	1		
6	New Drivers Control Key(DCK) Keyhole Slot/Socket	Rail Rolling Stock, Electric systems, 90%	Each	1		
7	New Drivers Control Key(DCK) ON/OFF Lever	Rail Rolling Stock, Electric systems, 90%	Each	1		
8	New Forward and Reverse Directional Lever	Rail Rolling Stock, Electric systems, 90%	Each	1		

9	New Powering and Braking/Deadman switch/Notch switch Assembly Lever	Rail Rolling Stock, Electric systems, 90%	Each	1		
10	New Deadman Push Button Switch	Rail Rolling Stock, Electric systems, 90%	Each	1		
11	New Notch Push Button Switch	Rail Rolling Stock, Electric systems, 90%	Each	1		
12	New ON/OFF Lever Cam	Rail Rolling Stock, Electric systems, 90%	Each	1		
13	New Directional Lever Cam	Rail Rolling Stock, Electric systems, 90%	Each	1		
14	New Powering and Braking Lever Cam	Rail Rolling Stock, Electric systems, 90%	Each	1		
15	New Cam Shaft Assembly including Vesconite bearings	Rail Rolling Stock, Electric systems, 90%	Each	1		
16	New Valve (R-3-1/4B) with Lever	Rail Rolling Stock, Electric systems, 90%	Each	1		
17	New Main Air Chamber	Rail Rolling Stock, Electric systems, 90%	Each	1		
18	New Valve (VL/0-3-1/4)	Rail Rolling Stock, Electric systems, 90%	Each	1		
19	New Solenoid Valve (MFH-3-M5)	Rail Rolling Stock, Electric systems, 90%	Each	1		

20	New Solenoid for valve (MFHG-96/110) 110Vdc	Rail Rolling Stock, Electric systems, 90%	Each	1		
21	New Wago Plug crimp socket strip (DIN rail type fitting)	Rail Rolling Stock, Electric systems, 90%	Each	1		
22	New DIN rail	Rail Rolling Stock, Electric systems, 90%	Each	1		
23	New Air pipe Couplers	Rail Rolling Stock, Electric systems, 90%	Each	1		
24	New Micro switch with lever (S847 W3B2e)	Rail Rolling Stock, Electric systems, 90%	Each	1		
25	New Diode BY2000 (2000 Volt; 3 Amp)	Rail Rolling Stock, Electric systems, 90%	Each	1		
26	New Air Pipe	Rail Rolling Stock, Electric systems, 90%	Each	1		
27	New Wire Electrical Multi-strand 2mm ²	Rail Rolling Stock, Electric systems, 90%	Each	1		
28	New Screws (Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
29	New Nuts (Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
30	New Electrical switches	Rail Rolling Stock, Electric systems, 90%	Each	1		

31	New Solenoid coil	Rail Rolling Stock, Electric systems, 90%	Each	1		
32	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%	Each	1		
33	Test for full functionality		Each	1		
34	Supply new single- handed master controller	Rail Rolling Stock, Electric systems, 90%	Each	1		
SUB-TOTAL						
15% VAT						
TOTAL						

b.10m5 Vigi-drive

NO	ITEM DESCRIPTION	% LOCAL CONTENT	UOM	QTY	UNIT PRICE	
1	Strip and quote		Each	1		
2	New Metal Electroplated Base Plate with 10 threaded Stud mounts	Rail Rolling Stock, Electric systems, 90%	Each	1		
3	New Metal Electroplated Cover with 4 mounting holes	Rail Rolling Stock,	Each	1		

		Electric systems, 90%				
4	New PCB Spacer HEX Stand-Off Pillar 55mm long	Rail Rolling Stock, Electric systems, 90%	Each	1		
5	New Cover Mounting Cap Screw Stainless Steel	Rail Rolling Stock, Electric systems, 90%	Each	1		
6	New PCB Double sided	Rail Rolling Stock, Electric systems, 90%	Each	1		
7	New Relay and base OA5602.18/2016L1/61, 110 Volt coil, 10 Amp Contacts	Rail Rolling Stock, Electric systems, 90%	Each	1		
8	New Diode BY2000, 2000 Volt, 3 Amp	Rail Rolling Stock, Electric systems, 90%	Each	1		
9	New Resistor Carbon Film, 1 Watt, 5% tolerance	Rail Rolling Stock, Electric systems, 90%	Each	1		
10	New Resistor Carbon Film, ½ Watt, 1% tolerance	Rail Rolling Stock, Electric systems, 90%	Each	1		
11	New Resistor Wire wound, 5 Watt, 5% tolerance	Rail Rolling Stock, Electric systems, 90%	Each	1		

12	New Capacitor 330nF 250 Volt, Polyester	Rail Rolling Stock, Electric systems, 90%	Each	1		
13	New Capacitor 22μF 160 Volt, Electrolytic, Radial	Rail Rolling Stock, Electric systems, 90%	Each	1		
14	New Capacitor 47μF 160 Volt, Electrolytic, Radial	Rail Rolling Stock, Electric systems, 90%	Each	1		
15	New e Capacitor 220μF 250 Volt, Electrolytic, Radial	Rail Rolling Stock, Electric systems, 90%	Each	1		
16	New Transient-Voltage-Suppression Diode KE16A 1500 Volt	Rail Rolling Stock, Electric systems, 90%	Each	1		
17	New Hex FET Power MOSFET IRF1840, 500 Volt, 4.5 Amp	Rail Rolling Stock, Electric systems, 90%	Each	1		
18	New LED Classic Red 3mm LT-0074	Rail Rolling Stock, Electric systems, 90%	Each	1		
19	New Holder for 3mm LED, Black Plastic, 90° angle.	Rail Rolling Stock, Electric systems, 90%	Each	1		
20	New PCB Mount Terminal Block, 5-Pin	Rail Rolling Stock, Electric systems, 90%	Each	1		

21	New PCB Mount Terminal Block, 10-Pin	Rail Rolling Stock, Electric systems, 90%	Each	1		
22	New PCB Mount Terminal Block, 12-Pin	Rail Rolling Stock, Electric systems, 90%	Each	1		
23	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%	Each	1		
24	Test for full functionality		Each	1		
25	Supply new vigi drive	Rail Rolling Stock, Electric systems, 90%	Each	1		
SUB-TOTAL						
VAT 15%						
TOTAL						

c. Emergency brake valve

NO	ITEM DESCRIPTION	% LOCAL CONTENT	UOM	QTY	UNIT PRICE	
1	Strip and quote		Each	1		
2	New Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock,	Each	1		

		Braking systems, 80%				
3	Repair Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Braking systems, 80%	Each	1		
4	New Black Anodised & Powder Coated High Tensile Aluminium Cover Plate	Rail Rolling Stock, Braking systems, 80%	Each	1		
5	Repair Black Anodised & Powder Coated High Tensile Aluminium Cover Plate	Rail Rolling Stock, Braking systems, 80%	Each	1		
6	New Emergency Braking Lever	Rail Rolling Stock, Braking systems, 80%	Each	1		
7	New Safety Catch Pin	Rail Rolling Stock, Braking systems, 80%	Each	1		
8	New PVC Cam Braking Assembly	Rail Rolling Stock, Braking systems, 80%	Each	1		
9	Repair PVC Cam Braking Assembly	Rail Rolling Stock, Braking systems, 80%	Each	1		
10	New SIL Male Power Terminal 8-Way	Rail Rolling Stock, Braking systems, 80%	Each	1		

11	New Micro switch with lever (S847 W3B2e)	Rail Rolling Stock, Braking systems, 80%	Each	1		
12	New Solenoid Valve (MFH-3-M5)	Rail Rolling Stock, Braking systems, 80%	Each	1		
13	New Solenoid for valve (MFHG-96/110) 110Vdc	Rail Rolling Stock, Braking systems, 80%	Each	1		
14	New Main Brake Valve Assembly with mounting.	Rail Rolling Stock, Braking systems, 80%	Each	1		
15	Repair Main Brake Valve Assembly with mounting.	Rail Rolling Stock, Braking systems, 80%	Each	1		
16	New Air pipe Couplers.	Rail Rolling Stock, Braking systems, 80%	Each	1		
17	New Air Pipe.	Rail Rolling Stock, Braking systems, 80%	Each	1		
18	New Wire Electrical Multi-strand 2mm ²	Rail Rolling Stock, Braking systems, 80%	Each	1		
19	New Screws (Stainless steel)	Rail Rolling Stock, Braking systems, 80%	Each	1		

20	New Nuts (Stainless steel)	Rail Rolling Stock, Braking systems, 80%	Each	1		
21	New Solenoid coil	Rail Rolling Stock, Braking systems, 80%	Each	1		
22	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%	Each	1		
23	Test for full functionality		Each	1		
24	Supply new emergency brake valve	Rail Rolling Stock, Braking systems, 80%	Each	1		
	SUB-TOTAL					
	VAT 15%					
	TOTAL					

d. 10M5 Auxiliary earthing switch

NO	ITEM DESCRIPTION	% LOCAL CONTENT	UOM	QTY	UNIT PRICE	
1	Strip and quote		Each	1		
2	New Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Electric systems, 90%	Each	1		
3	New Lever 1 HVCDIL Aluminium with Drivers Control Key Keyhole Slot/Socket Lever Assembly	Rail Rolling Stock, Electric systems, 90%	Each	1		
4	New Drivers Control Key Slot/Socket Mechanism	Rail Rolling Stock, Electric systems, 90%	Each	1		
5	New Lever 2 HVCDL Aluminium Lever Assembly	Rail Rolling Stock, Electric systems, 90%	Each	1		
6	New Lever 1 HVCDIL Cam Aluminium	Rail Rolling Stock, Electric systems, 90%	Each	1		
7	New Lever 2 HVCDL Cam Aluminium	Rail Rolling Stock, Electric systems, 90%	Each	1		
8	New Insert for Master Key	Rail Rolling Stock, Electric systems, 90%	Each	1		
9	New Master Key Lock Mechanism	Rail Rolling Stock, Electric systems, 90%	Each	1		
10	New e Lever 2 HVCDL Linkage Connector	Rail Rolling Stock, Electric systems, 90%	Each	1		

11	New Cam Controlled Interlock Mechanism	Rail Rolling Stock, Electric systems, 90%	Each	1		
12	Repair Cam Controlled Interlock Mechanism	Rail Rolling Stock, Electric systems, 90%	Each	1		
13	New SIL Male Power Terminal 8-Way	Rail Rolling Stock, Electric systems, 90%	Each	1		
14	New Micro switch with lever (S847 W3B2e)	Rail Rolling Stock, Electric systems, 90%	Each	1		
15	New Switch Valve (R-3-1/4B) with Lever	Rail Rolling Stock, Electric systems, 90%	Each	1		
16	New Wire Electrical Multi-strand 2mm ²	Rail Rolling Stock, Electric systems, 90%	Each	1		
17	New Screws (Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
18	New Nuts (Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
19	New Clips(Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
20	New Pins(Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
21	New key	Rail Rolling Stock, Electric systems, 90%	Each	1		

22	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%	Each	1		
23	Test for full functionality		Each	1		
24	Supply new auxiliary earthing switch	Rail Rolling Stock, Electric systems, 90%	Each	1		
SUB-TOTAL						
VAT 15%						
TOTAL						

e. 10M5 HT earthing switch

NO	ITEM DESCRIPTION	%LOCAL CONTENT	UOM	QTY	UNIT PRICE	
1	Strip and quote		Each	1		
2	New Black Anodised & Powder Coated High Tensile Aluminium Frame	Rail Rolling Stock, Electric systems, 90%	Each	1		
3	New Lever 1 HVCDIL Aluminium with (DCK) Keyhole Slot/Socket Lever Assembly	Rail Rolling Stock, Electric systems, 90%	Each	1		
4	New Drivers Control Key Slot/Socket Mechanism	Rail Rolling Stock, Electric systems, 90%	Each	1		
5	New Lever 2 HVCDL Aluminium	Rail Rolling Stock, Electric systems, 90%	Each	1		
6	New Lever 1 HVCDIL Cam Aluminium	Rail Rolling Stock, Electric systems, 90%	Each	1		

7	New Lever 2 HVCDS Cam Aluminium	Rail Rolling Stock, Electric systems, 90%	Each	1		
8	New Insert for Master Key	Rail Rolling Stock, Electric systems, 90%	Each	1		
9	New Master Key Lock Mechanism	Rail Rolling Stock, Electric systems, 90%	Each	1		
10	New Lever 2 HVCDS Linkage Connector	Rail Rolling Stock, Electric systems, 90%	Each	1		
11	New Cam Controlled Interlock Mechanism	Rail Rolling Stock, Electric systems, 90%	Each	1		
12	Repair Cam Controlled Interlock Mechanism	Rail Rolling Stock, Electric systems, 90%	Each	1		
13	New Shunt Strap	Rail Rolling Stock, Electric systems, 90%	Each	1		
14	New SIL Male Power Terminal 8-Way	Rail Rolling Stock, Electric systems, 90%	Each	1		
15	New Micro switch with lever (S847 W3B2e)	Rail Rolling Stock, Electric systems, 90%	Each	1		
16	New Wire Electrical Multi-strand 2mm ²	Rail Rolling Stock, Electric systems, 90%	Each	1		
17	New Screws (Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		

18	New Nuts (Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
19	New Clips(Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
20	New Pins(Stainless steel)	Rail Rolling Stock, Electric systems, 90%	Each	1		
21	New key	Rail Rolling Stock, Electric systems, 90%	Each	1		
22	Assemble	Rail Rolling Stock, Assembly of locomotive, 100%	Each	1		
23	Test for the full functionality		Each	1		
24	Supply new HT earthing switch	Rail Rolling Stock, Electric systems, 90%	Each	1		
	SUB-TOTAL					
	VAT 15%					
	TOTAL					

SUMMARY

ITEM NO	ITEM DESCRIPTION	UOM	QTY	UNIT PRICE	
a	10 m5 Single handed master controller	Each	1		
b	10m5 <i>Vigi- drive</i>	Each	1		
c	10m5 Emergency brake valve	Each	1		
d	10m5 Auxiliary earthing switch	Each	1		
e	10m5 HT earthing switch	Each	1		
	TOTAL				

Annex C

Local Content Declaration - Summary Schedule

(C1) Tender No.											Note: VAT to be excluded from all calculations	
(C2) Tender description:												
(C3) Designated product(s)												
(C4) Tender Authority:												
(C5) Tendering Entity name:												
(C6) Tender Exchange Rate:	Pula		EU		GBP							
(C7) Specified local content %												

Calculation of local content								Tender summary			
Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)	Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)	(C16)	(C17)	(C18)	(C19)
								(C20) Total tender value	R 0		
Signature of tenderer from Annex B								(C21) Total Exempt imported content	R 0		
								(C22) Total Tender value net of exempt imported content	R 0		
								(C23) Total Imported content	R 0		
								(C24) Total local content	R 0		
Date:								(C25) Average local content % of tender			