



prasa

PASSENGER RAIL AGENCY
OF SOUTH AFRICA

REQUEST FOR QUOTATION (RFQ)

RFQ NUMBER: KZN/PRASA/2025/11/11/Q

**REQUEST FOR QUOTATION (RFQ) FOR: APPOINTMENT OF A SERVICE PROVIDER FOR THE
REPLACEMENT OF ELECTRICAL EQUIPMENT IN DURBAN SUBSTATION FOR THE KZN REGION**

**SECTION 1: SBD1****PART A INVITATION TO BID****YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF PASSENGER RAIL AGENCY (PRASA)**

BID NUMBER:	KZN/PRASA/2025/11/11/Q	CLOSING DATE:	05 December 2025	CLOSING TIME:	12:00
DESCRIPTION	APPOINTMENT OF A SERVICE PROVIDER FOR THE REPLACEMENT OF ELETRICAL EQUIPMENT IN DURBAN SUBSTATION FOR THE KZN REGION				

BID RESPONSE DOCUMENTS SHALL BE ADDRESSED AS FOLLOWS:

BID RESPONSE DOCUMENTS MUST BE HAND DELIVERED TO BID BOX 4 SITUATED AT (STREET ADDRESS):

65 MASABALALA YENGWA AVENUE

PRASA REGIONAL OFFICE FOYER AREA

HELPDESK

PRASA SCM KWAZULU NATAL ON OR BEFORE CLOSING DATE. PLEASE ENSURE YOU SIGN SUBMISSION REGISTER

Only bids DROPPED into TENDER BOX 4 will be accepted.

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO

CONTACT PERSON	Sphamandla Zondi				
TELEPHONE NUMBER	031 813 0082				
E-MAIL ADDRESS	Sphamandla.Zondi@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	MAAA.....

REPLACEMENT OF ELETRICAL EQUIPMENT IN DURBAN SUBSTATION

				DATABASE No:	
2.1 ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	2.2 ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]		

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, 2022, 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.***
- ***PRASA is not obliged to award this bid.***
- ***PRASA is not obligated to award to one supplier.***
- ***PRASA reserves the right to use its discretion to award multiple suppliers where possible.***
- ***Compulsory briefing session will be held on the 28 November 2025 at 10h00 am at the following venue PASSENGER RAIL AGENCY OF SOUTH AFRICA, 65 MASABALALA YENGWA AVENUE, GREYVILLE, DURBAN STATION, SHOSHOLOZA MEYL WAITING AREA. We shall proceed to one of the sites where prospective bidders will be shown physically items that needs to be tendered for.***

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 BIDDERS COMPLAINTS PROCESS

3.1 Bidders are advised utilize this email address (SCM.Complaints@prasa.co.za) for lodging of complains to PRASA in relation to this bid process. The following minimum information about the bidder must be included in the complaint:

3.1.1 Bid/Tender Description

3.1.2 Bid/Tender Reference Number

3.1.3 Closing date of Bid/Tender

3.1.4 Supplier Name

3.1.5 Supplier Contact details

3.1.6 The detailed compliant

4 LEGAL COMPLIANCE

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

5 CHANGES TO QUOTATIONS

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

6 PRICING

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

7 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.

8 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.

9 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.

10 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/>.

11 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.

12 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	
Disqualifying Returnable Documents	Disqualifying Returnable Documents
Stage 2	
Technical/Functional Requirements	Minimum Threshold of 80%
Stage 3	
Price	80
Specific Goals	20
TOTAL	100
Stage 4 – Returnable Documents	
Returnable Documents	Returnable Documents

13 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.

14 VALIDITY PERIOD

14.1 PRASA requires a validity period of 60 **Working Days** from the closing date.

14.2 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.

15 PUBLICATION OF INFORMATION ON THE NATIONAL TREASURY E-TENDER PORTAL

Respondents are to note that, bid awards, amendments and cancellations will be published on the e-tender portal (*where applicable*) and or media used to advertise the bid. For the 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*).

16 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 may 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:

2.1 Stage 1 – Disqualifying Returnable documents

Bidders must comply with the following requirements and failure to comply will lead to immediate disqualification.

No.	Description of requirement
a)	Bidders to fill and sign a closing register; failing which the bidder must provide proof that the document was submitted on time.
b)	Minimum contractor grading of CIDB 4EP (to be verified on the CIDB website)

2.2 Stage 2- Technical/Functional Requirements

Technical / Functionality Requirements

Qualifying bidders shall then be evaluated on functionality after meeting all compliance requirements outlined above. The minimum threshold for the technical/functionality requirements is 80% as per the standard Evaluation Criteria presented in **Error! Reference source not found.** above. Bidders who score below this minimum requirement shall not be considered for further evaluation in stage 3.

Details of the technical/functional requirements are presented in the table below:

ITEM	CRITERIA	MAX score
1	Organizational Experience	30
2	Financial Capacity	20
3	Qualifications and Experience of key personnel	30
4	Project program (work plan)	10
5	Project Approach and Methodology	10
	TOTAL	100

Table 1: Technical Evaluation Criteria

CRITERIA	WEIGHT	SCORES
Organizational Experience N.B. Provide the following for each successfully completed project/s: • Copy of an appointment letter on a company letterhead, showing a description of the project, Client name, Client contact (i.e., email and office number) and the contract value inclusive of VAT. • Completion certificate or referral letter signed by client confirming successful completion of the project.	30	Score will be based on successfully executed and completed similar projects in the installation of 3 kV DC traction substations in the last fifteen (15) years from the presented details in the tender document. • Zero (0) Similar Projects/non-submission/incomplete submission = 0 points • 1 Similar project = 5 point • 2 Similar projects = 10 points • 3 Similar projects = 15 points • 4 Similar projects = 20 points • 5 Similar projects = 25 points • 6 or above Similar projects = 30 points
FINANCIAL CAPABILITY Financial Capability of the Bidder (Bidder to submit complete set of financial statements) Financial Capacity / Operating Cash Flow: The operating cash flow ratio measures a company's short-term liquidity. Formula: Operating Cash Flows Ratio = Cash Flows from Operations/Current Liabilities. Bidder should submit a complete set of financial statements (Recent 2	20	Scoring will be allocated as follows 5 Points = Operating Cash Flows Ratio $X \geq 1$ 4 Points = Operating Cash Flows Ratio $0.5 \geq X < 1$ 3 Points = Operating Cash Flows Ratio $0 \geq X < 0.5$ 2 Points = Operating Cash Flows Ratio < 0.25 1 Point = Operating Cash Flows Ratio $X < 0$ 0 Points = No Submission / Irrelevant statement 0 points = No Submission

years) prepared by a registered professional in accordance with Companies Act.		
Project program (Work plan) Provide project schedule in MS projects that meets the client's timeline requirements and the schedule to cover the following key Milestones: ○ Project duration within the targeted duration of 12 months. ○ Completion of safety file ○ Site establishment ○ Procurement of material and all services ○ Actual construction activities ○ The overall schedule should clearly indicate sequencing of activities with clear understanding of scope.	10	Score will be allocated for MS Project Schedule provided. No information provided/irrelevant information provided = 0 points. • Project schedule provided with relevant activities and 1 of the indicated elements addressed = 2 points • Project schedule provided with relevant activities and 2 of the indicated elements addressed = 4 points • Project schedule provided with relevant activities and 3 of the indicated elements addressed = 6 points • Project schedule provided with relevant activities and 4 of the indicated elements addressed = 8 points • Project schedule provided with relevant activities and all the indicated elements addressed = 10 points

Project Approach and Methodology

(N.B. The project methodology must be in line with the scope of work and must include the following elements:

- Identification of risks and mitigation measures
- Work breakdown of activities
- Quality assurance
- Transportation
- Scaffolding
- Plant and equipment.
- Temporary structural supports
- barricading and securing of work,
- Accommodation of traffic.

10

Score will be allocated as follows:

- No information provided/irrelevant information provided = 0 points
- 3 or less elements of the method statement = 2 point
- 4 elements of the method statement = 4 points
- 5 elements of the method statement = 6 points
- 6 elements of the method statement = 8 points
- 7 or more elements of the method statement = 10 points

2.3 Stage 3- Price and Specific Goals

The following formula, shall be used to allocate scores to the interested bidders:

The maximum points for this tender are allocated as follows:

DETAILS	POINTS
PRICE	80
SPECIFIC GOALS	20
TOTAL POINTS FOR PRICE AND SPECIFIC GOALS	100

FORMULA FOR PROCUREMENT OF GOODS AND SERVICES

POINTS AWARDED FOR PRICE

THE 80/20 PREFERENCE POINT SYSTEMS

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

80/20

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

POINTS AWARDED FOR SPECIFIC GOALS

- 3.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)	Evidence
Black Women owned	6		Certified copy of ID Documents of the Owners
Black Youth owned	6		Certified copy of ID Documents of the Owners
51 % Black Owned	8		CIPC Documents / B- BBEE Certificate/Affidavit

Subject to section 2(1)(f) of the Act, the contract must be awarded to the tenderer scoring the highest points.

Stage 4- Returnable Documents

No.	Description of requirement
a)	Completion of ALL RFQ documentation (including ALL declarations, SBD documents/forms and signatures were required)
b)	Joint Venture / Consortium agreement / Trust Deed/ Confirmation in writing of their intention to enter into a JV or consortium agreement should they be awarded business by PRASA through this RFQ process (if applicable)
c)	Supply of valid SARS Pin
c)	CSD supplier registration number
d)	Letter of Good Stading/COIDA
e)	A certificate issued by the Department of Agriculture (Farm Feeds Agricultural and Stock Remedies Act, Act 36 of 1947, as amended) specializing in the field of industrial weed control. Pest Control Operator certificate.
f)	Briefing Session Form D. Bidders must also reflect on the Compulsory Briefing Session Attendance Register
g)	Overall staffing and key professional staff must submit proof of qualifications and professional registration as per Section 9.5

NB: The most Responsive bidder/s with incomplete returnable documents will be requested to resubmit completed documents within the time frame stipulated by PRASA before recommendation for award, failure which will result in automatic disqualification.

SECTION 4

PRICING AND DELIVERY SCHEDULE

Respondents are required to complete the attached Pricing Schedule

- 1 Prices must be quoted in South African Rand, inclusive of all applicable taxes.
- 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.

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.

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

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.

Special Conditions: Funding Contingency

1. Paragraph 8.4 of the PFMA SCM Instruction No. 3 of 2021/22 states that the Accounting Authority may not invite price quotations or bids if no or sufficient provision is made in the budget of the institution.
2. PRASA has, in terms of section 79 of the PFMA, obtained approval from National Treasury, for a departure from paragraph 8.4 of the PFMA SCM Instruction No. 3 of 2021/22.
3. PRASA is currently in the process of making provision and allocation of budget for the services required in this RFQ, which provision and/or budget allocation has not yet been completed at the time of the issuance of this RFQ.
4. PRASA will, however, ensure that provision and/or budget allocation is made prior to the award of business in this RFQ.
5. Accordingly, any award pursuant to this RFQ is strictly subject to PRASA, inter alia:
 - 5.1. securing the necessary funding allocation; and
 - 5.2. confirming that sufficient budget exists to meet the intended award.
6. PRASA undertakes to keep bidders reasonably informed of the progress and status of the funding allocation and budgeting process.
7. By submitting a bid, bidders expressly acknowledge and agree that PRASA reserves the right to cancel this RFQ at any stage prior to award, in the event that PRASA is unsuccessful in making sufficient provision and/or budget allocation for the required services.
8. PRASA shall not be liable for:
 - 8.1. any claim, loss, or damages of whatsoever nature arising from or in connection with a failure to source funding; or
 - 8.2. the non-award of tender due to a failure to source funding; and
 - 8.3. bidders waive any right to institute proceedings against PRASA in respect of the circumstances contemplated above.

SIGNED at _____ on this _____ day of _____ 20____

Signature of Witness

1 _____

Name _____

Signature of Witness

2 _____

Name _____

Signature of Bidder's Authorised Representative: _____

Name: _____

Designation: _____”

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.

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:

.....
.....

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.

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 consortium 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.
- 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

SBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 To be completed by the organ of state

a) The applicable preference point system for this tender is the 80/20 preference point system.

1.3 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and Specific Goals	100

1.4 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.5 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating

contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and

- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULA FOR PROCUREMENT OF GOODS AND SERVICES

3.2. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 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 price of tender under consideration

P_t = Price of tender under consideration

P_{min} = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)	Evidence
Black Women owned	6		Certified copy of ID Documents of the Owners

Black Youth owned	6		Certified copy of ID Documents of the Owners
51 % Black Owned	8		CIPC Documents / B- BBEE Certificate/Affidavit

DECLARATION WITH REGARD TO COMPANY/FIRM

4.2. Name of company/firm.....

4.3. Company registration number:

4.4. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

4.5. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/firm for the preference(s) shown and I 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 paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering 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) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted 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
- (e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

CERTIFICATE OF ATTENDANCE OF COMPULSORY RFQ BRIEFING

Request number:	KZN/PRASA/2025/11/11/Q
Request for Quotation:	APPOINTMENT OF A SERVICE PROVIDER FOR THE REPLACEMENT OF ELETRICAL EQUIPMENT IN DURBAN SUBSTATION FOR THE KZN REGION

Attendance

This is to certify that _____ has / have today attended the site inspection / RFQ briefing session to which this enquiry relates.

THUS DONE and SIGNED at _____ on this _____ day of _____

_____ for / on behalf of PRASA

_____ Designation

Acknowledgement

This is to certify that the Bidder attended the above mentioned briefing session/ site inspection and 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 the PRASA for the carrying out of the proposed WORKS to which the enquiry relates

THUS DONE and SIGNED at _____ on this _____ day of _____

DULY AUTHORISED SIGNATORY(IES) WITNESSES

1. _____ 1. _____

2. _____ 2. _____

3. _____ 3. _____

SECTION 8

SPECIFICATION/SCOPE OF WORK

8.1 AND AREAS OF FOCUS

8.1.1 Replacement of electrical equipment as per attached BOQ

8.1.2 Testing and commissioning of the equipment

8.2 DETAILS ON THE PREFERRED SOLUTION.

N/A

8.3 AREA TARGETED BY THIS PROJECT

The place of work shall be in Durban.

8.4 EXTENT AND COVERAGE OF THE PROPOSED PROJECT

The project will cover two sections namely:

11.4.1 Substation indoor equipment

11.4.2 Removal of scrap

8.5 OTHER RELATED PROJECTS

None

9 SPECIFICATION OF THE WORK OR PRODUCTS OR SERVICES REQUIRED

9.1 SCOPE OF WORKS AND AREAS OF FOCUS

9.1.1 All work in this contract shall comply with the Occupational Safety Act, 1993 (Act No: 85 of 1993, National Environmental management 107 of 1997 Act and construction regulation 2014). These items shall all be included in the tendered rates. A copy of the act as well as an approved safety file shall be kept on site for the duration of the project.

9.1.2 The contractor shall be responsible for the safety of personnel on

site; a detailed safety plan shall therefore be submitted with the tender offer for evaluation. The following shall also form part of the safety plan:

- Transportation of equipment and personnel.
- Transportation, storage, and handling of hazardous equipment
- The site access certificate shall only be issued (to the successful bidder) after the evaluation and approval of the safety file.
- The safety file will be approved only after all the requirements on the checklist are.
- The Contractor shall comply with all applicable legislation and PRASA's safety requirements adopted from time to time and instructed by the Project Manager / Technical Officer. Such compliance shall be entirely at the contractor's cost and shall be deemed to have been allowed for in the rates and prices in the contract.
- The Contractor shall report all incidents in writing to the Project Manager / Technical Officer. Any incident resulting in the death of or injury to any person on the works shall be reported within 15 minutes of its occurrence and any other incident shall be reported within 12 hours of its occurrence.
- The Contractor shall make necessary arrangements for sanitation, water and electricity at these relevant sites during the installation of the equipment.

9.2 Quality Assurance

9.2.1 Contractors shall submit descriptive literature consisting of detailed technical specifications, constructional details, and principal dimensions, together with clear illustrations of the equipment offered.

9.2.2 Contractors shall submit equipment type test certificates for equipment to be supplied in this contract. These shall be in English.

9.2.3 The Project Manager shall be notified timeously for inspection of equipment before it is delivered to site.

9.2.4 Testing and Commissioning schedules shall be provided for

all equipment provided under this contract.

9.2.5 The quality control plan shall be submitted and approved by PRASA's project manager.

9.3 Care of the Works

9.3.1 From the date on which the site is handed over to the contractor to the date of the issue of a certificate of completion, the Contractor shall take full responsibility for the care of the employer's assets on site, materials on site intended for incorporation into the works.

9.4 Overall Staffing and Key Professional staff

The engineering contractor shall provide qualified and experienced professional staff for the following positions.

9.4.1 Project Manager

9.4.2 Electrical Installation Supervisor

9.4.3 Electrician

9.4.4 Occupational Health and Safety Officer

9.5 Desired Qualification of Key Professional Staff

9.5.1 A bidder shall have a minimum staff complement as listed below with the appropriate qualification. The staff will be evaluated in table above.

Project Manager

(a) BSc in Electrical Engineering, B-Tech or National Diploma in Electrical Engineering (Heavy Current)

(b) Registered with Engineering Council of South Africa (ECSA) as a Professional Engineer or Technologist.

(c) Registered with the South African Council of Project and Construction Management Professions (SACPCMP) as a professional manager.

(d) Minimum of 3 years' experience as a construction / project manager in 88/11/3kv substation installation.

Electrical Installation Supervisor

- A minimum of National Diploma in Electrical Engineering
- A minimum of N6 National Certificate or National Diploma in Electrical Engineering with a Trade Test Certificate.
- Minimum 10 years' experience as an Electrician in the installation and commissioning of 3kV DC Substation equipment.

Electrical Technician/Electrician

- A minimum of National Certificate level(N3) in Electrical Engineering with a trade test certificate
- A minimum of 5 years experience in the construction of 3KV DC traction substation

Construction Health and Safety Officer

- a) Be in possession of National Diploma in Safety, Health, Risk and Quality (SHERQ) Management.
- (b) Minimum of 5 years industry experience as a Construction health and safety officer.
- (c) Be registered with SACPCMP.

9.6 To be provided by the contractor.

- 9.6.1 Site books (each in triplicate) to record the progress of work and any incident during the occupation.
- 9.6.2 All instructions pertaining to the technical details of the work being performed at that time.
- 9.6.3 Upon appointment, the contractor shall supply machinery, equipment, material, labour, and consumables, etc. necessary for the undertaking and completion of the works to satisfaction of the client.
- 9.6.4 The client will require conformance documentation for each item of material procured by the contractor for installation used in this contract.
- 9.6.5 The contractor shall verify the position of all services and all other obstacles and existing works on site before commencement of works. Where any underground services

are shown on the drawings, the contractor shall have the equipment available on site for as long as is necessary to detect and locate such services and, if so ordered, he or she shall excavate by hand to expose such services in areas and in a manner and at a time agreed upon with the technical officer.

9.6.6 Protection of cables- Before any excavations take place near identified service cables, the contractor shall contact the technical officer.

9.6.7 The contractor shall advise the technical officer at least 7 days in advance of the actual date on which to excavate near any cable. The contractor shall not use mechanical equipment to excavate within 3m of the estimated position of identified cable and shall, if necessary, expose the cable by means of hand excavation carried out under proper supervision.

9.6.8 The contractor shall achieve in the performance of the contract the Contract Skill development Goal (CSDG) as per the Standard for Development Skills through Infrastructure Contracts published in Gazette Notice 48491 of 28 April 2023.

9.6.9 The following skills shall be covered: P2 Training for Electrical Students holding S4 plus P1 in Heavy Current

9.6.10 The following formula shall be used:

Minimum Contract Skills Development Goal (CSDG) sum = EP
(0,25%) X subtotal of tender amount.

9.7 MEASUREMENT OF QUALITY OF CONSTRUCTION

9.7.1 The work shall be quantified by the contractor with the assistance of PRASA personnel, the payment will be subject to the rates submitted in the tender.

9.7.2 Where the condition of the site is such that the specified

performance standards cannot be achieved, the contractor should record all relevant information in conjunction with the Prasa Technical Officer before and after working.

Correctness and final approval shall be the responsibility of PRASA.

9.8 Rectification of sub-standard work

9.8.1 Where the specified standards of workmanship and accuracy are not attained, the contractor shall rectify at own cost within 7 working days. Should the contractor fail to honor the stipulated notified days he can be reported to the National Treasury for non-performance and may be blacklisted (prevented from doing any business with the state)

9.9 General

9.9.1 Should any claim arise due to damage caused by any action of work by the Contractor to property of PRASA and his employees or any other person/s, the Contractor shall be held liable to settle such claims at his own cost.

9.9.2 The contractor shall provide transport, equipment, tools, consumables, supervision, protection, and labor necessary to successfully complete the contract

9.10 Safety

9.10.1 The Contractor shall comply with requirements of safety legislations and regulations in all respects.

9.20.2 All drivers shall be in possession of valid driver's licenses and Public Drivers Permits (PDP) where applicable. Crane operators will be required to have a valid Crane Operator's certificate. All vehicles shall be roadworthy.

9.10.3 The Contractor shall be responsible for all protective clothing

and –equipment for his employees. All employees required to climb structures shall be issued with suitable harnesses.

9.10.4 The contractor shall be responsible for security of personnel and material onsite as well as during transit.

9.10.5 An effective safety procedure to be followed by all personnel on any work site in the case of approaching rail traffic shall be compiled by the Contractor and implemented before any work commences. This procedure shall be updated whenever the need arises, and any changes shall be communicated to all employees on a works site before work proceeds.

9.10.6 It is the requirement of this contract that the contractor should provide PRASA with a detailed safety plan prior to being issued with a site access certificate, in accordance with the latest version of the OHS Act and the SPK7 and SHE specification.

9.10.6 All works on site must comply with the following acts:

9.10.6.1 Occupational Safety Act, 1993 (Act No: 85 of 1993)

9.10.6.2 Electrical Safety instruction (BBF 3690, Version 2) .

9.10.6.3 National Environmental Management Act 107 of 1997

9.10.6.4 Construction regulation 2014

9.11 Construction Related Security

9.11.6 All security companies used by the Contractor shall be PSIRA registered with a valid letter of good standing.

9.11.7 Security personnel shall all be PSIRA registered with a clear criminal record and no criminal pending cases.

9.11.8 The security to be provided by the contractor shall be responsible for safeguarding both the appointed contractor's and PRASA's assets on site until the site is handed over to PRASA. A list of all functioning equipment that do not form part of this scope of work will be shared with the successful bidder and shall be signed off by both the successful bidder and PRASA's representative.

9.11.9 The contractor shall be sole responsible of the site (including all the equipment within the boundary limit) from the time the site is handed over to the contractor, until such time the contractor hands over the site back to PRASA.

9.11.10 The boundary limits for each substation will include all assets in the substation until the switching structure. The equipment associated with the switching structure is also included in the boundary limits.

9.11.11 The contractor shall provide on-site security for personnel and material stock and should ensure that patrols are in place at the site handed over to the contractor until the completed work is handed over to PRASA. No claims of material or losses must be lodged with the client for stolen goods during the construction before the completed work is handed over to PRASA.

9.11.12 Furthermore, it is the contractor's responsibility to ensure that valuable metal i.e. copper is adequately protected while in transit to and from site.

9.11.13 The contractor shall make sure that all material removed from site is quantified, counted, logged in the site diary and that it is co-signed by a PRASA representative on site before it is removed from site.

9.11.14 Scrap metal removed from the section shall be adequately protected until it is delivered to PRASA's stores.

9.11.15 PRASA reserves the right to conduct ad-hoc inspections to ensure Compliance.

9.11.16 Any lost, damaged or stolen material by the successful bidder in accordance to clauses 5.9.1 to 5.9.11 above shall be liable to PRASA.

9.12 Measurements and payments

9.12.6 Claims for payment will be made for delivered material and completed work only.

- 9.12.7 Any rejected and incomplete work will not be paid for.
- 9.12.8 All rates in the schedule of quantities must be made as per BOQ and should be an all-inclusive rate.
- 9.12.9 The rate quoted by the Contractor (s) and accepted by PRASA must hold well till the completion of the work and shall not be subject to any escalation due to increase in the local market rates for materials & labour. Increased rates shall not be entertained at any stage including the extended period if it applies.

9.13 Guarantee

- 9.13.6 All work undertaken by the Contractor shall be subject to a guarantee for a period of one year against faulty and/or inferior workmanship and material.
- 9.13.7 The guarantee period shall commence the day the installation is formally handed over to and accepted by the Project Manager.
- 9.13.8 The Contractor shall undertake to repair all faults or defects due to bad workmanship and/or faulty materials during the guarantee period.
- 9.13.9 Any defects that may become apparent during the guarantees period shall be rectified to the satisfaction of and free of cost to the Client.
- 9.13.10 Should the Contractor fail to comply with the requirements stipulated above, Prasa shall be entitled to undertake the necessary repair work or effect replacement of defective apparatus or material, and the Contractor shall reimburse Prasa the total cost of such repair or replacement, including the labour costs incurred in replacing defective material.

9.14 Payment certificate

- 9.14.6 On or after the assessment date, the Supervisor and the Contractor will together assess the quantities of the progress on each item in the Bill of Quantities and complete the

Progress Assessment Detail form, where after the Progress Assessment Certificate will be issued.

9.14.7 The Contractor shall then submit a VAT invoice and attach the above Progress Certificate for payment by PRASA.

9.14.8 Contractor to provide PRASA with the necessary details regarding banking details to enable PRASA to make electronic payments.

9.15 Pricing the works

9.15.6 The contractor is required to provide firm prices/ rates for material and labour for the duration of the contract.

9.15.7 The contractor shall make provision for the costs (direct or otherwise) associated with works on, over or adjacent to railway lines. The Contractor is advised to study the requirements of the SPK 7/1 and ensure that all works can be completed in accordance with these requirements.

9.15.8 The contract offer shall be based on the rates as indicated in the bill of quantities.

9.16 Penalties

9.16.6 If the Contractor fails to complete the Services within the time stipulated in this Contract for completion of Services or a part or portion of Services, the Contractor shall be liable to the Employer for an amount calculated at 0.3% of the Contract Price per delayed Day per order, which shall be paid for every Day which shall elapse between the time for due completion and completion of the relevant Services. However, the total amount due under this sub-clause shall not exceed the maximum of 10% of the Contract Price.

9.16.7 The contractor will be charged R10 000.00 for working on PRASA site without a proper and valid Site Access Certificate or working without official occupation.

9.16.8 The contractor will be charged a penalty of R 80.00 per minute per train that was delayed.

9.16.9 The contractor will be charged the penalty of R1 500.00 per train that was cancelled.

9.16.10 The imposition of such penalty shall not relieve the Contractor from its obligation to complete Services or from any of its obligations and liabilities under the Contract,

9.16.11 PRASA may set off or deduct from the fees due to the Contractor any penalty amounts due and owing by the Contractor in terms of clause.

9.17 Commissioning tests

9.17.1 Commissioning will include the energising of equipment from the MV primary circuit breakers to the MV feeder circuit breakers, all low voltage equipment, including battery chargers, the telecontrol equipment, the telecommunication system, control panels and the substation building reticulation.

9.17.2 The Contractor shall prove the satisfactory operation of all equipment under live conditions.

9.17.3 On completion of commissioning, the Contractor shall hand the substation over to the Regional Engineer in terms of the relevant instructions and standard handover certificates. (HOE 1 certificate).

9.17.4 The Contractor shall allow a period of at least three days between satisfactory completion of on-site tests and the commissioning of equipment.

9.17.5 During this period, the Region Engineer and test staff will verify the operation of all protective relays and circuits.

9.17.6 The Contractor's installation staff and test Engineer shall be present during the verification to rectify any faults found.

9.18 Handing over

The handovers shall be for each portion of the work when the Electrical System is tested and commissioned to the satisfaction of the Technical Manager, in accordance with the details as set out in the handing over documentation of PRASA.

9.19 Termination of a contract

PRASA Electrical reserves the right to cancel the contract at any time during the contract period in the case of the contractor not performing according to the requirements of the agreement.

9.20 Compulsory Site Meeting

All contractors shall attend a site meeting and must provide their own safety clothing (safety boots and visibility vest) and transport.

TECHNICAL SPECIFICATIONS RELATED TO THIS PROJECT

The Contractor shall work in accordance with the following listed specification and drawings which are TFR's requirements for the installation of electrical equipment for 3kV DC Traction Substations.

Document Number	Description
SANS 10400	The application of the National Building Regulations
SANS 791	PVC pipes for underground non-pressure application
SANS 558	Boxes and manhole and inspection covers and frames
SANS 1200LC	Cable ducts
SANS 1200LB	Bedding (pipes)
SANS 1200GE	Pre-cast concrete (structural)
SANS 1200GB	Concrete (ordinary buildings)
SANS 1200G	Concrete (structural)
SANS 1200DB	Earthworks (pipe trenches)
SANS 1200DA	Earthworks (small works)
SANS 1200C	Site Clearance

Document Number	Description
SANS 60309-1	Plugs, Socket-outlets and couplers for industrial purposes (Part 1: General requirements)
SANS 60269-1	Low-voltage fuses – Part 1: General requirements
SANS 60168	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 000 V
SANS 60076-7	Power transformers Part 7: Loading guide for oil-immersed power transformers

Document Number	Description
SANS 60076-5	Power transformers Part 5: Ability to withstand short circuit
SANS 60076-4	Power transformers Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors
SANS 60076-3	Power transformers Part 3: Insulation levels, dielectric tests and external clearances in air
SANS 60076-2	Power transformers Part 2: Temperature rise for liquid-immersed transformers
SANS 60076-1	Power Transformers
SANS 60060-1	High-voltage test techniques Part 1: General definitions and test requirements
SANS 60060-2	High-voltage test techniques Part 2: Measuring systems
SANS 60056	High Voltage alternating current circuit-breakers
SANS 60044-2	Instrument Transformers, Part 2- Inductive Voltage Transformers
SANS 60044-1	Instrument Transformers, Part1- Current Transformers
SANS 529	Heat resisting wiring cables
SANS 50054-7	Fire detection and fire alarm systems Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionisation
SANS 50054-5	Fire detection and fire alarm systems Part 5: Heat detectors – Point detectors
SANS 1799	Watt-hour meters – AC electronic meters for active energy
SANS 1777	Photoelectric control units for lighting PECUss)
SANS 1765	Low Voltage switchgear and controlgear assemblies (distribution boards) with a rated-short circuit withstand strength up to and including 10kA
SANS 1619	Small power distribution units (ready boards)
SANS 156	Moulded case circuit breakers
SANS 1433-2	Electrical terminals and connectors – Part 2: Flat push-on connectors
SANS 1433-1	Electrical terminals and connectors – Part 1: Terminal blocks having a screw and screwless terminals
SANS 1411-1	Materials of insulated electric cables and flexible cords – Part 1: conductors
SANS 1239	Plugs, socket outlets and couplers for industrial purposes
SANS 1213	Mechanical cable glands
SANS 1195	Busbars
SANS 1063	Earth rods and couplers
SANS 10313	Protection against lightning
SANS 10142-2	The wiring of premises Part 2: Medium-voltage installations above 1 kV AC not exceeding 22 kV AC and up to and including 3 000 kW installed capacity
SANS 10142-01	Wiring of premises Low-voltage Installation

The IEC standards are listed in **Error! Reference source not found.** below.

Document Number	Description
IEC 62271	Specification for AC metal-enclosed switchgear and control gear, for voltages above 1kV up to and including 52kV
IEC 61869-2	Instrument Transformers - Part 2: Current Transformers.
IEC 61869	Instrument Transformers: Additional General Requirements for Low Power Instrument Transformers.
IEC 60947-7-1	Low-voltage switchgear and controlgear - Ancillary equipment - Terminal blocks for copper conductors
IEC 60947-6-2	Low-voltage switchgear and controlgear - Multiple function equipment - Control and protective switching devices for equipment
IEC 60947-6-1	Low-voltage switchgear and controlgear - Multiple function equipment - Automatic transformer/Transfer switching equipment
IEC 60947-4-3	Low-voltage switchgear and control gear - Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads
IEC 60947-4-2	Low-voltage switchgear and control gear - Contactors and Motor Starters - AC Semiconductor motor controllers and starters
IEC 60947-4-1	Low-voltage switchgear and control gear – Electromechanical Contactors and Motor Starters
IEC 60947-3	Low-voltage switchgear and control gear - Switches, disconnectors, switch disconnectors
IEC 60947-2	Low-voltage switchgear and control gear - Circuit Breakers
IEC 60947-1	Low-voltage switchgear and control gear - General rules
IEC 60815:	Guide for the selection of insulators in respect of polluted conditions.
IEC 60730-2-9.	Automatic electrical controls for household and similar use Part 2-9: Particular requirements for temperature sensing controls
IEC 60529	Degrees of protection provided by enclosures (IP Code)
IEC 60502-4	Power cables with extruded insulation and their accessories for rated voltages
IEC 60502-2	Power cables with extruded insulation and their accessories for rated voltages
IEC 60502-1	Power cables with extruded insulation and their accessories for rated voltages
IEC 60298	AC metal-enclosed switchgear and control gear for rated voltages above 1kV and up to and including 52kV.
IEC 60297-1:	Dimensions of mechanical structures
IEC 60296	Fluids for Electrotechnical Applications - Unused Mineral Insulating Oils for Transformers and Switchgear.
IEC 60255-5	Electrical Relays - Insulation Coordination for Measuring Relays and Protective Equipment- Requirements and Tests.
IEC 60255-22	Measuring Relays and Protection Equipment - Part 22-5: Electrical Disturbance Tests - Surge Immunity Test.

Document Number	Description
IEC 60255-121	Measuring Relays and Protection Equipment - Part 121: Functional Requirements for Distance Protection.
IEC 60255-11	Measuring Relays and Protection Equipment - Part 11: Voltage Dips, Short Interruptions, Variations and Ripple on Auxiliary Power Supply Port.
IEC 60255-1	Measuring Relays and Protection Equipment - Part 1: Common Requirements.
IEC 60099-4	Surge Arresters - Part 4: Metal-Oxide Surge Arresters without Gaps for AC Systems.
IEC 60092-352	Choice & Installation of Cables for Low Voltage Power Systems
IEC 60092_376	Cable for Control & Instrumentation Circuits
IEC 60092_375	General Instrumentation, Control & Communication Cables
IEC 60076-8	Power transformers - Application Guide
IEC 60076-7	Power transformers Part 7: Loading guide for oil-immersed power transformers
IEC 60076-5	Power transformers - Ability to withstand short circuit
IEC 60076-4	Power transformers - Guide to the lightning impulse and switching impulse testing
IEC 60076-3	Power transformers - Insulation levels, dielectric tests and external clearances in air
IEC 60076-2	Power transformers - Temperature rise
IEC 60076-10	Power transformers - Determination of sound levels
IEC 60076-1	Power transformers – General
IEC 60051-1	Direct Acting Indicating Analogue Electrical Measuring Instruments and their Accessories - Part 1: Definitions and General Requirements Common to all Parts.
IEC 60044-2:	Instrument transformers- Part 2: Inductive voltage transformers

Specification No.	Description
BBF 9986	3kV rectifier for traction substations. Appendix 1: Technical Data Sheet
BBB 0937	Requirements for outdoor post type current transformers for traction and distribution substations
BBB 1267	Requirements for outdoor alternating-current circuit breakers for traction and distribution substations
BBB 3139	Wave filter capacitors for 3kV DC substations. Appendix B: Technical Data Sheet
BBB 3162	Wave filter inductors for 3kV DC substations. Appendix B:

Specification No.	Description
	Technical Data Sheet
BBB4182	Indoor, medium voltage metal enclosed switchgear and control gear in accordance with IEC 62271-200
BBF 9997	Requirements for traction transformers for 3kV DC traction substations in accordance with BS 171 and IEC 60076-1. Appendix 2: Information to be provided by Tenderers
BBB 7842	Outdoor, high voltage, alternating current disconnectors combined with earthing switches
BBB 8204	Medium voltage distribution transformers in accordance with SANS 780. Appendix 2: Information to be provided by Tenderers (for nominal voltages 0kV up to 33kV)
BBB 8205	High Voltage Supply Transformers in Accordance with IEC 60076 and BS 171. (For nominal system voltages 33kV up to 132kV)
CEE-0023	Installation of low and medium voltage cables. Appendix 2: Schedule of Requirements
CEE-0099	3 kilo Volt DC high speed circuit breakers for traction substations. Appendix 3: Technical Data Sheet
CEE-0085	Self-contained battery and charger units for electric light and power substations
CEE-0100	The supply of main overload protection relays for traction substations. Appendix 2: This appendix is to be completed by the Tenderer

10.1 GENERAL CLEANING YARD AND SUBSTATION

10.1.1 Dismantle all scrapes and sort all metal scraps according to their types, i.e. steel, copper and aluminum.

10.1.2 Remove all non-value scrap and rubble on the yard and inside the depot buildings, ensuring that they are dumped in the certified municipality dumping site.

10.1.3 Scrap, deep clean, and disinfect the windows, floor and walls of the buildings.

10.1.4 Remove all the hazardous materials, i.e. asbestos, oil contamination, and other radioactive materials.

10.1.5 The disposal of all the hazardous materials at a certified municipality dumping site shall follow environmental policies and laws.

10.1.6 The contractor must provide a disposal certificate to

PRASA as proof.

10.1.7 Provide horticulture services, i.e. cut grass, prune trees and reclaim gardens in the depot.

10.2 EARTHWORK

10.2.1. The contractor shall remove and transport all grass, weeds and non-value scrap to the dumping site.

10.2.2. Thereafter, remove and clean the existing concrete ballast around the substation outdoor yard.

10.2.3. Close the cable trenches at the back of the substation building, and ensure that the ground is even and safe.

10.2.4. Dig 110 mm deep on the ground around the substation building, then spray approved weed killers.

10.2.5. Thereafter, lay a 10 mm layer of river sand for the area of 350 m² and run a heavy roller for compaction.

10.2.6. In addition, lay a South African National Standard (SANS) approved 250 mic dump-proof plastic coat on top of the river sand to prevent weeds and grass.

10.2.7. Lastly, reinstate the ballast stones on top of dump-proof plastic at 100mm depth.

10.3 THE CIVIL WORKS OF YARD AND SUBSTATION

10.3.1. Building repairs include gutters, painting, deep cleaning, disinfection, and installation of warning signs for the workshop and substation building.

10.3.2. Scrap, spray paint and install a steel grid on the Air louvre and ventilation of the workshop and substation building.

10.3.3. This includes a 130 m x 0.3 m grid for the top part of the substation roof, to prevent birds from accessing the workshop and substation building.

10.4. ELECTRICAL SCOPE FOR DURBAN TRACTION SUBSTATION AND YARD

10.4.1. General Purpose Wiring

10.4.1.1. All wiring shall be installed in wireways and/or conduit as specified.

10.4.1.2. Open wiring is not acceptable.

10.4.1.3. Only the loop-in system of wiring shall be acceptable.

10.4.1.4. Joints in the wiring shall not be permitted.

10.4.1.5. All wires shall be stranded copper conductors. No suffix or twin and earth wiring will be accepted.

10.4.1.6. AC and DC wiring shall be installed in separate conduits.

10.4.2. Miniature Circuit Breakers

10.4.2.1. All MCBs used in DC applications shall be rated for DC and be double pole.

10.4.3. Galvanised Steel Tubing and Associated Fittings

10.4.3.1. Provision shall be made for the use of steel galvanised conduits to accommodate all light circuits between the distribution board, light fittings and switched socket outlets.

10.4.3.2. Where the conduit is exposed to the weather elements, only galvanised conduit shall be used.

10.4.3.3. Threads of metallic conduit and associated fittings exposed to moisture or weather elements shall be effectively protected against rust with anti-corrosive paint.

10.2.3.4. Light fittings or other equipment shall not be used as wireways.

10.4.4. Light Switches and Switch Socket Outlets

10.4.4.1. The Contractor shall supply and install light switches and socket outlets.

10.4.4.2. All surface-mounted wall boxes shall be manufactured from sheet material of at least 0.8mm thickness and powder-coated.

10.4.4.3. Wall boxes for SSO shall be 100 x 100 x 35mm with 20mm knockouts on the top, bottom and sides.

10.4.4.4. Wall boxes for light switches and isolators shall be 100 x 50 x 35mm with 20mm knockouts on the top, bottom and sides.

10.4.4.5. Wall outlet boxes for light switches shall be mounted 1350 mm from floor level and, where possible, 200 mm from door openings.

10.4.4.6. No Light switches and switch socket outlets shall be installed in the battery room.

10.4.5. Light Fittings

10.4.5.1. The Contractor shall supply and install lighting in all internal areas to provide a minimum maintained average illumination level of 200 lux.

10.4.5.2. Light fittings shall be of the industrial LED type suitable for the environment in which they need to function.

10.4.5.3. Light fittings installed in the battery room shall be appropriate for the zoned location.

10.4.6 3kV DC Rectifier

10.4.6.1. Further to clause 18.0 of specification BBB 5452 and specification BBB 0496: The Contractor shall design, supply and install 2 x 6 MW AC to DC rectifiers with a 12-pulse configuration supplied from the 4.5 MVA transformer, for the double units substation.

10.4.6.2. The rectifier shall be supplied complete with a diode monitoring system and cooling fan control and fully comply with specification BBB 0496.

10.4.6.3. The rectifier shall be rated 6 MW full load continuously.

10.4.6.4. The rectifier shall provide for full wave 12 pulse rectification from the 6-phase output of the 4.5 MVA traction transformer unit A.

10.4.6.5. All components, especially diodes, shall be easily accessible for maintenance and replacement purposes.

10.4.7. Primary Circuit Breaker Control and Protection Panel

10.4.7.1. PRASA will supply two primary circuit breaker control and protection panels, with test and quality control sheets from the original equipment manufacturer.

10.4.7.2. The contractor must conduct independent quality assurance of the panel to ensure that the work complies with all relevant specifications, standards, and regulations.

10.4.7.3. The Contractor shall install primary circuit breaker control panels by specification BBB 2721.

10.4.7.4. Thereafter, test and commission the integrated panels.

10.4.7.5. The panel shall be insulated from the substation floor using "Marley" or "Lino" floor covering or similar not less than 2mm thick.

13.4.8. AC/DC Distribution Panel

10.4.8.1. The Contractor shall supply and install an AC/DC Distribution panel by specification BBB 2721.

10.4.8.2. The two LV cables from the two auxiliary transformers shall be connected to the automatic changeover inside the AC/DC panel.

10.4.8.3. The changeover shall automatically connect the standby auxiliary transformer to the 3-phase 400V busbar in case of power loss from the main auxiliary transformer.

10.4.8.4. The Contractor shall review the details of the relay installed before installation and integration of the equipment to the substation circuit.

10.4.8.5. The panel shall be insulated from the substation floor using "Marley" or "Lino" floor covering or similar not less than 2mm thick.

10.4.9. Battery Charges

10.4.9.1. The contractor must reposition and reconnect the existing battery charger in accordance with specifications BBB2502 and BBB5452.

10.4.2. The battery charger and cabinet shall be insulated from the substation floor using "Marley" or "Lino" floor covering or similar, not less than 2mm thick.

10.4.10. Earthing and Crusher Stones

10.4.10.1. An outdoor earth termination system (earth mat) shall be supplied and installed by the earth mat design drawing, clause 30.0 of specification BBB 5452, specification BBB 3059 and drawing no. BBB 3620 in as far as applicable.

10.4.10.2. All fence posts and gates shall be bonded to the earth mat.

10.4.10.3. Flexible bonds shall be provided between the swing gate frames and their posts. These bonds shall be fitted with lugs on both ends and bolted to the gate frame and fence posts.

10.4.10.4. The Contractor shall supply and install an AC earth leakage scheme by specification BBB 5452 clause 17.0 and 30.0 and specification BBB 2721 section 8.5.

10.4.10.5. Notwithstanding clause 17.1 the AC earth leakage bar primary type current transformer shall be installed in a steel box and mounted next to the respective traction transformers.

10.4.10.6. Based on the lightning risk assessment conducted according to SANS (IEC) 62305-2 the risk is well within the tolerable limits.

10.4.10.7. Notwithstanding clause 43.3 of BBB5452, the crusher stone shall be a 100mm layer of 19mm with a wet resistivity of 3000Ω.m.

10.4.11. Building repairs

10.4.11.1. Install a steel grid on the Air louvre and ventilation of the workshop and substation building.

10.4.11.2. This includes a 130 m x 0.3 m grid for the top part of the substation roof, to prevent birds from accessing the workshop and substation building

10.4.11.3 The contractor shall supply drawings and manuals in line with the requirements of specification BBB0041.

10.4.11.4 The contractor shall ensure that the tele-control is fully functional before commissioning can be done.

11 Time Frames / Programs

The project plan for each site is shown in the table below. The total duration of the project including planning, construction, and project completion is 4 months once-off.

12 BUDGET

This is a once-off project with an estimated contract period of 4 months.

SCHEDULE OF QUANTITIES AND RATES: Appointment OF A Contractor FOR REPLACEMENT OF AC/DC PANEL AND BATTERY CHARGER IN DURBAN SUBSTATION FOR KZN REGION

ITEM NO	Description	Unit	Qty	Supply	Installation	Total Amount
Section A	Preliminary and General					
1.	Preliminary and General sub-total (Excl VAT) (from below table)	Sum	1			
Section B	General Cleaning					
1.	Scrap transportation and duming-supplier to provide dumping certificate	Sum	1			
Section C	Substation outdoor Yard					
1.	Prune trees, remove grass, and weed.	Sum	1			
2.	Spray approved environmental weed killer	m ²	350			
Section D	Building Repair					
1.	Repair the building's roofs and block all ventilation louvres	Sum	1			
3.	Supply and install 500mm diameter wheely birds	Each	8			
Section E	Electrical Bill					
1.	Supply and install indoor earthing, including the earth leakage relay	Sum	1			
2.	Supply and install chequer plate	Sum	1			
3.	Supply and install control cable with labelling for the whole substation (between rectifier and PCB panels, PCBs and Panels, HSCB and AC/DC panels, AC/DC panels and PCB panels, PCB panels and Telecontrol)	Sum	1			
4.	Supply and install 500W flood lights	Each	10			
5.	Supply and install DB (tapping from AC/DC panel), including	Sum	1			

SCHEDULE OF QUANTITIES AND RATES: Appointment OF A Contractor FOR REPLACEMENT OF AC/DC PANEL AND BATTERY CHARGER IN DURBAN SUBSTATION FOR KZN REGION

	associated wiring to feed flood lights					
6.	Supply and install 6MW rectifier unit complete with heat sinks, snubber, attenuation circuits, cooling fans, fan failure, and diode monitoring circuits	Each	1			
7.	Supply and install 25mm x 50mm Aluminium busbars	Each	6			
8.	Supply and install 12.5mmx127mm for positive and negative connections on the rectifier	Each	2			
9.	Supply and install room temperature controlled 10 inch 1.5KW,3 phase, 400V wall mounted axial flow fan with air filter	Each	2			
10.	Apply paint on transformer bushings to indicate R,W,&B phases	Sum	1			
11.	Supply and install spark gap and gate switch on access door to main transformer	Each	1			
12.	Supply and install safety and informative signage on indoor fence and gates (BBF3690)	Sum	1			
13.	Supply and install positive isolator including U/V relay	Each	2			
14.	Supply and install copper 500mm ² single core cable from positive isolator to busbar chamber and from rectifier to positive isolator with associated accessories	m	120			
15.	Supply and install complete key interlocking system	Set	2			
16.	Supply and install labelling for Unit A and B positive isolators	Each	2			

REPLACEMENT OF ELETRICAL EQUIPMENT IN DURBAN SUBSTATION

SCHEDULE OF QUANTITIES AND RATES: Appointment OF A Contractor FOR REPLACEMENT OF AC/DC PANEL AND BATTERY CHARGER IN DURBAN SUBSTATION FOR KZN REGION

17.	Supply and install AC/DC distribution panel (BBB2721)	Each	1			
18.	Install AC/DC distribution panel (BBB2721)- (Prasa will provide)	Each	1			
19.	Supply and install 400v,35mm, 4core copper LT cable	Each	120			
20.	Supply and install Telecontrol panel complete	Each	1			
21.	Provide testing and commissioning	Sum	1			
					SUB-TOTAL	
					VAT 15%	
					GRAND-TOTAL	