
TRANSNET SOC LIMITED

TENDER No. CRAC_ELF_45981: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation Equipment at Stryder and Maidi Substation.

ADDENDUM NO. 1

DATED 24 May 2024

The following information is furnished in addition to, in amplification and substitution of, matters contained in the tender documents issued in respect of the abovementioned work.

1. Pricing Data C2.2 Bill of Quantities:

- **Refer to revised BOQ attached.**
- **Revised evaluation criteria on Management of CVs and Key persons (Refer to revised T1.2 Tender Data and T2.2-3 Management of CVs and Key persons**
- **Closing date has been extended from:**

31 May 2024

To

07 June 2024

This addendum must be signed and submitted with your tender.

WITNESSES:

1. _____
2. _____

TENDERER / CONTRACTOR

Date: _____

WITNESSES:

1. Kagiso Osupile 

2. Sidney Moyana 

24/05/2024

TRANSNET SOC LIMITED

Date: 24/05/2024

FROM: _____

DATE: _____

**TO: Transnet Freight Rail
15 Girton Road
Inyanda House 2
Parktown
Johannesburg
2001
(Attention Mr Nnemo Pyana – nnemo.pyana@transnet.net)**

Dear Sir

TENDER NO. CRAC_ELF_45981: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation Equipment at Stryder and Maidi Substation.

Receipt of **Addendum No. 1** dated **24 May 2024** is hereby acknowledged.

Kind regards

TENDERER

NOTE: This acknowledgement must be signed and returned to this office on or before closing date of tender.

Ref: CRAC_ELF_45981

PART 2: PRICING DATA

Document reference	Title	No of pages
C2.1	Pricing instructions: Option B	5
C2.2	The <i>bill of quantities</i>	7

C2.1 Pricing instructions: Option B

1. The *conditions of contract*

1.1. How the contract prices work and assesses it for progress payments

Clause 11 in NEC3 Engineering and Construction Contract, June 2005 and 2013 (ECC) Option B states:

**Identified
and defined
terms**

11

11.2

(21) The Bill of Quantities is the *bill of quantities* as changed in accordance with this contract to accommodate implemented compensation events and for accepted quotations for acceleration.

(22) Defined Cost is the cost of the components in the Shorter Schedule of Cost Components whether work is subcontracted or not excluding the cost of preparing quotations for compensation events.

(28) The Price for Work Done to Date is the total of

- the quantity of the work which the *Contractor* has completed for each item in the Bill of Quantities multiplied by the rate and
- a proportion of each lump sum which is the proportion of the work covered by the item which the *Contractor* has completed.

Completed work is work without Defects which would either delay or be covered by immediately following work.

(31) The Prices are the lump sums and the amounts obtained by multiplying the rates by the quantities for the items in the Bill of Quantities.

This confirms that Option B is a re-measurement contract and the bill comprises only items measured using quantities and rates or stated as lump sums. Value related items are not used. Time related items are items measured using rates where the rate is a unit of time.

1.2. Function of the Bill of Quantities

Clause 55.1 in Option B states, "Information in the Bill of Quantities is not Works Information or Site Information". This confirms that instructions to do work or how it is to be done are not included in the Bill, but in the Works Information. This is further confirmed by Clause 20.1 which states, "The *Contractor* Provides the Works in accordance with the Works Information". Hence the *Contractor* does **not** Provide the Works in accordance with the Bill of Quantities. The Bill of Quantities is only a pricing document.

1.3. Guidance before pricing and measuring

Employers preparing tenders or contract documents, and tendering contractors are advised to consult the sections dealing with the bill of quantities in the NEC3 Engineering and Construction Contract (June 2005) Guidance Notes before preparing the *bill of quantities* or before entering rates and lump sums into the *bill*.

Historically bill of quantities based contracts in South Africa have been influenced by the different approaches of the civil engineering and building sectors of the industry through their respective discipline based standard forms of contract and methods of measurement. This is particularly apparent in the approach to the Preliminary and General bill. On the other hand, because ECC caters for a number of disciplines in the same contract, including electrical works, a different approach not currently found in local methods of measurement to the Preliminary & General bill items may have been used.

The NEC approach to the P & G bill assumes use will be made of method related charges for Equipment applied to Providing the Works based on durations shown in the Accepted Programme, fixed charges for the use of Equipment that is required throughout the construction phase, time related charges for people working in a supervisory capacity for the period required, and lump sum charges for other facilities or services not directly related to performing work items typically included in other parts of the bill.

2. Measurement and payment

2.1. Symbols

The units of measurement described in the Bill of Quantities are metric units abbreviated as follows:

Abbreviation	Unit
%	percent
h	hour
ha	hectare
kg	kilogram
kl	kilolitre
km	kilometre
km-pass	kilometre-pass
kPa	kilopascal
kW	kilowatt
l	litre
m	metre
mm	millimetre
m ²	square metre
m ² -pass	square metre pass
m ³	cubic metre
m ³ -km	cubic metre-kilometre
MN	meganewton

MN.m	meganewton-metre
MPa	megapascal
No.	number
Prov sum ¹	provisional sum
PC-sum	prime cost sum
R/only	Rate only
sum	Lump sum
t	ton (1000kg)
W/day	Work day

2.2. General assumptions

- 2.2.1. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance has been made in the quantities for waste.
- 2.2.2. The Prices and rates stated for each item in the Bill of Quantities shall be treated as being fully inclusive of all work, risks, liabilities, obligations, overheads, profit and everything necessary as incurred or required by the *Contractor* in carrying out or providing that item.
- 2.2.3. Clause 63.13 in Option B provides that these rates and Prices may be used as a basis for assessment of compensation events instead of Defined Cost.
- 2.2.4. Where this contract requires detailed drawings, designs or other information to be provided, and no rates or prices are included in the *bill* specifically for such matters, then the *Contractor* is deemed to have allowed for all costs associated with such requirements within the tendered rates and Prices in the Bill of Quantities.

¹ Provisional Sums should not be used unless absolutely unavoidable. Rather include specifications and associated bill items for the most likely scope of work, and then change later using the compensation event procedure if necessary. This is because tenderers cannot programme effectively for unknown scopes of work

-
- 2.2.5. An item against which no Price is entered will be treated as covered by other Prices or rates in the *bill of quantities*. If a number of items are grouped together for pricing purposes, this will be treated as a single lump sum.
- 2.2.6. The quantities contained in the Bill of Quantities may not be final and do not necessarily represent the actual amount of work to be done. The quantities of work assessed and certified for payment by the *Project Manager* at each assessment date will be used for determining payments due and not the quantities given in the Bill of Quantities.
- 2.2.7. The short descriptions of the items of payment given in the *bill of quantities* are only for the purposes of identifying the items. More detail regarding the extent of the work entailed under each item is provided in the Works Information.

2.3. Departures from the *method of measurement*

2.4. Amplification of or assumptions about measurement items

For the avoidance of doubt the following is provided to assist in the interpretation of descriptions given in the *method of measurement*. In the event of any ambiguity or inconsistency between the statements in the *method of measurement* and this section, the interpretation given in this section shall be used.

C2.2 The *bill of quantities*

BILL OF QUANTITIES

Price List					
Item	Description	Unit	Qty	Rate	Price
A	MAIDI 3KV DC TRACTION SUBSTATION				
1	Supply and Install AC primary circuit breaker and control panel . They must have all their protection relays and associated cables in accordance with. Transnet Freight rail Specification BBB.2721 ver-10) and specification BBB 1267.	Sum	1		
2	Supply and install Indoor earthing & DC earth relay with all its cables according to BBB3629,ver.5	Sum	1		
3	Supply and install Outdoor earthing with all its cables in accordance to BBB3629,ver.5	Sum	1		
4	Supply and install various cables (HV cables, LV cables and control cables) from and to indoor and outdoor equipment's.	Sum	1		
5	Design,supply and install clear view fencing with bob wire.2 gates(6mx3m) and repair minor damages on the existing fence inside HT yard (150mx3m).	m	200		
6	Supply and install a 3Kv DC undervoltage relay with a high voltage potential divider in accordance with Transnet Freight Rail Specification BBB 3005	Each	1		
7	Perform soil rehabilitation (20m*10m ,1.5m deep), Supply and install new yard stones (19mm)	Sum	1		

Transnet Freight Rail

Contract Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation

Equipment at Stryder and Maidi Substation.



8	Supply and install 5 MVA, 132 000/1220 V, 3phase – 6 phase, DY1 Step down Main Traction Transformer in accordance with Transnet freight rail specification BBB 5019	Sum	1		
9	Supply and install 3kv wall bushings	Each	7		
10	Supply and install Wave filter equipment with its cables and busbars. It must be in accordance with Transnet Freight Rail specification BBB 3139 for capacitor, and Specification BBB 3162 for inductor coil.	Sum	1		
11	Supply and install flying busbars from secondary side of main traction transformer to auxiliary transformer	Sum	1		
12	Supply and install 3Kv DC high Speed circuit breaker in accordance with specification CEE.0099	Each	3		
13	Supply and install Telecontrol system with its associated control cables and cards in accordance with Transnet specification.	Each	1		
14	Supply and install a 110v Battery charger in accordance with Transnet Freight rail specification 2502 Ver 6. Free standing battery charger	Each	1		
15	Supply and install 3kv Busbar chamber components(3m busbar, 2 lugs, 4 pinpot,voltage divider.)	sum	1		
16	Supply and install positive cable(500mm sq) from positive isolator to 3kv dc busbar	m	120		
17	Supply and install positive isolator in accordance to BBB4724	each	1		
18	Supply and install AC/DC distribution panel with all protection relays and associated	each	1		

Transnet Freight Rail

Contract Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation

Equipment at Stryder and Maidi Substation.



	cables in accordance with Transnet Freight Rail Specification BBB.2721 ver-10				
19	Supply and install 3Kv DC 5MW Rectifier with its associated control equipment in accordance with Transnet Freight Rail specification BBB 0496	each	1		
20	Supply and install indoor and outdoor building lights,DB wiring,socket and switches	Each	6		
21	Supply and install safety and burglar doors(standard ATM door) in accordance with Transnet freight rail specification BBB 5452 Ver 6(1*double door & 2 single)	sum	1		
22	Dismantle, clean and transport damaged equipment's to Krugersdorp depot	sum	1		
23	Supply and install Hot dipped galvanised steel palisade fence (150mx2m) with 2 gate(6mx2m) in accordance with Transnet Freight Rail specification BBD 9751 and drawing CEE-TDF-0016.	m	156		
24	Supply and install a 53 cell 110v Planté lead acid battery bank . The capacity of the battery should be 100 ampere hour	ea	53		
25	Clean and paint inside walls and floor as stipulated in BBB5452	sum	1		
26	Supply and install rectifier bay fence(4mx3m) and single gate.	sum	1		
27	Supply and install a complete mechanical interlocking system with a set of its mechanical keys in accordance with Transnet Freight rail specification BBB5452 Ver 6.	sum	1		

Transnet Freight Rail

Contract Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation

Equipment at Stryder and Maidi Substation.



28	Supply and fill the Main and Auxiliary transformers with Virgin Transformer Oil, around 15 000 litres in accordance with Transnet specification BBB0937	L	15000		
29	Supply and Install new 1 single HT yard gate(1,8mx1,2m) in accordance with BBB5452.	sum	1		
30	Clean vegetation and spray weed killer around substation	sum	1		
31	Supply and install checker plate, 95mm copper earthing cable under checker plate	sum	1		
32	Provide 24/7 security for the duration of the project	Sum	1		
33	Supply & install window burglars(0,5mx0,5)	sum	8		
34	Supply and install connecting flying aluminium busbar to the wall bushings	sum	7		
35	Supply and install a three phase 150kVA, 635/400 V Auxiliary Step down Transformer with its barrier fence, gate and lock in accordance with Transnet Freight rail specification BBB 2721	sum	1		
36	Testing and commissioning	sum	1		
37	Supply and install 1.8 mH 3kV DC air core Reactor	sum	1		
38	P's and G's	sum	1		
A	Total Price excl VAT	R			
	15% VAT	R			
	Total Price incl VAT	R			

Transnet Freight Rail

Contract Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation

Equipment at Stryder and Maidi Substation.



Item	Description	Unit	Qty	Rate	Price
B	STRYDERS 3KV DC TRACTION SUBSTATION				
1	Supply and install a complete mechanical interlocking system with a set of its mechanical keys in accordance with Transnet Freight rail specification BBB5452 Ver 6.	sum	1		
2	Supply and install wall bushings in accordance with BBC1677	sum	7		
3	Supply and install connecting flying aluminium busbar to the wall bushings	sum	7		
4	Supply and install safety and burglar doors(standard ATM door) in accordance with Transnet freight rail specification BBB 5452 Ver 6(1*double door & 2 single)	sum	3		
5	Positive isolator to busbar chamber (positive cables 500 mm ² in accordance with BBC0198)	m	120		
6	Supply and install 3kv Busbar chamber components(3m busbar, 2 lugs, 4 pinpot,voltage divider.)	sum	1		
7	Supply and install 3Kv DC 5MW Rectifier with its associated control equipment in accordance with Transnet Freight Rail specification BBB 0496	sum	1		
8	Supply and install 3kV DC Positive isolator. BBB5452,ver.7 and BBB 0496	sum	1		
9	Supply and install a 110v Battery charger in accordance with Transnet Freight rail	sum	1		

Transnet Freight Rail

Contract Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation

Equipment at Stryder and Maidi Substation.



	specification 2502 Ver 6. Free standing battery charger				
10	Supply and install a 3Kv DC undervoltage relay with a high voltage potential divider in accordance with Transnet Freight Rail Specification BBB 3005	sum	1		
11	Supply and install 3*3Kv DC high Speed circuit breaker in accordance with specification CEE.0099	ea	2		
12	Supply and install 5 MVA, 132 000/1220 V, 3phase – 6 phase, DY1 Step down Main Traction Transformer in accordance with Transnet freight rail specification BBB 5019	ea	1		
13	Install secondary Lighting Arrestor in accordance to BBB 0938	sum	1		
14	Supply and install a three phase 150kVA, 635/400 V Auxiliary Step down Transformer with its barrier fence, gate and lock in accordance with Transnet Freight rail specification BBB 2721	ea	1		
15	Supply and fill the Main and Auxiliary transformers with Virgin Transformer Oil, around 15 000 litres in accordance with Transnet specification BBB0937	L	15 000		
16	Supply and install Indoor earthing with all its cables according to BBB3629,ver.5	Sum	1		
17	Supply and install 3Kv DC earth leakage relay in accordance with Transnet Freight Rail specification BBB 2721 and drawing CEE-TBD-0007.	sum	1		
18	Supply and install Telecontrol system with its associated control cables and cards in accordance with Transnet specification.	sum	1		

Transnet Freight Rail

Contract Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation

Equipment at Stryder and Maidi Substation.



19	Supply and install indoor and outdoor building lights,DB wiring,socket and switches	sum	6		
20	Design, supply and install clear view fencing with bob wire.2 gates(6mx3m) and repair minor damages on the existing fence inside HT yard (150mx3m).	m	156		
21	Supply and install checker plate, 95mm copper earthing cable under checker plate	sum	1		
22	Supply and install a 53 cell 110v Planté lead acid battery bank . The capacity of the battery should be 100 ampere hour	set	53		
23	Clean and paint inside walls and floor as stipulated in BBB5452	sum	1		
24	Supply and install 1.8 mH 3kV DC air core Reactor	ea	1		
25	Supply and install Wave filter equipment with its cables and busbars.It must be in accordance with Transnet Freight Rail specification BBB 3139 for capacitor, and Specification BBB 3162 for inductor coil	sum	1		
26	Perform soil rehabilitation (20m*10m ,1.5m deep), Supply and install new yard stones (19mm)	sum	1		
27	Supply and install rectifier bay fence(4mx3m) and single gate.	sum	1		
28	Supply and Install AC primary circuit breaker and control panel . They must have all their protection relays and associated cables in accordance with. Transnet Freight rail Specification BBB.2721 ver-10) and specification BBB 1267.	sum	1		
29	Replace broken windows and supply & install window burglars(0,5mx0,5)	sum	8		

Transnet Freight Rail

Contract Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation

Equipment at Stryder and Maidi Substation.



30	palisade fence(150mx2m) with 2 gate (6mx2m) in accordance with Transnet Freight Rail specification BBD 9751 and drawing CEE-TDF-0016.	m	156		
31	Supply and install AC/DC distribution panel with all protection relays and associated cables in accordance with Transnet Freight Rail Specification BBB.2721 ver-10	sum	1		
32	Supply and Install new 1 single HT yard gate(1,8mx1,2m) in accordance with BBB5452.	sum	1		
33	Clean vegetation and spray weed killer around substation	sum	1		
34	Dismantle, clean and transport damaged Equipment's to Krugersdorp depot	sum	1		
35	Provide 24/7 security for the duration of the project	sum	1		
36	Testing & Commissioning	sum	1		
37	P's and G's	sum	1		
B	Total Price excl VAT		R		
	15% VAT		R		
	Total Price incl VAT		R		

A&B	GRAND TOTAL (excluding VAT)	R
	15% VAT	R
A&B	GRAND TOTAL (including VAT)	R

T1.2 TENDER DATA

The conditions of tender are the Standard Conditions of Tender as contained in Annex C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts. The Standard for Uniformity in Construction Procurement was first published in Board Notice 62 of 2004 in Government Gazette No 26427 of 9 June 2004. It was subsequently amended in Board Notice 67 of 2005 in Government Gazette No 28127 of 14 October 2005, Board Notice 93 of 2006 in Government Gazette No 29138 of 18 August 2006, Board Notice No 9 of 2008 in Government Gazette No 31823 of 30 January 2009, Board Notice 86 of 2010 in Government Gazette No 33239 of 28 May 2010, Board Notice 136 of 2015 in Government Gazette 38960 of 10 July 2015 and Board Notice 423 of 2019 in Government Gazette No 42622 of 8 August 2019.

This edition incorporates the amendments made in Board Notice 423 of 2019 in Government Gazette 42622 of 8 August 2019. (see www.cidb.org.za).

The Standard Conditions of Tender make several references to Tender data for detail that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced in the left-hand column to the clause in the Standard Conditions of Tender to which it mainly applies.

Clause	Data
C.1.1 The <i>Employer</i> is	Transnet SOC Ltd (Reg No. 1990/000900/30)
C.1.2 The tender documents issued by the <i>Employer</i> comprise:	
Part T: The Tender	
Part T1: Tendering procedures	T1.1 Tender notice and invitation to tender T1.2 Tender data
Part T2: Returnable documents	T2.1 List of returnable documents T2.2 Returnable schedules
Part C: The contract	
Part C1: Agreements and contract data	C1.1 Form of offer and acceptance C1.2 Contract data (Part 1 & 2) C1.3 Form of Securities
Part C2: Pricing data	C2.1 Pricing instructions C2.2 Bill of Quantities

	Part C3: Scope of work	C3.1 Works Information
	Part C4: Site information	C4.1 Site information
C.1.4	The Employer's agent is:	Procurement Officer
	Name:	Nnemo Pyana
	Address:	15 Girtton Road Inyanda House 2 Park Town Johannesburg 2001
	Tel No.	011 308 1682
	E – mail	Nnemo.pyana@transnet.net
C.2.1	Only those tenderers who satisfy the following eligibility criteria are eligible to submit tenders:	
	1. Stage One - Eligibility with regards to attendance at the compulsory clarification meeting: An authorised representative of the tendering entity or a representative of a tendering entity that intends to form a Joint Venture (JV) must attend the compulsory clarification meeting in terms C2.7	
	2. Stage Two - Eligibility in terms of the Construction Industry Development Board:	
	a) Only those tenderers who are registered with the CIDB or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, designation of 7EP or higher class of construction work, are eligible to have their tenders evaluated.	
	b) Joint Venture (JV) Joint ventures are eligible to submit tenders subject to the following: - every member of the joint venture is registered with the CIDB. - the lead partner has a contractor grading designation of not lower than one level below the required class of construction works under consideration and possesses the required recognition status; and - the combined Contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 7EP or higher class of construction work or a value determined in	

accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations

The tenderer shall provide a certified copy of its signed joint venture agreement.

Any tenderer that fails to meet the stipulated eligibility criteria will be regarded as an unacceptable tender.

3. Stage Four - Functionality:

Only those tenderers who obtain the minimum qualifying score for functionality will be evaluated further in terms of price and the applicable preference point system. The minimum qualifying score for functionality is **70** points.

The evaluation criteria for measuring functionality and the points for each criteria and, if any, each sub-criterion are as stated in C.3.11.3 below.

Any tenderer that fails to meet the stipulated functionality threshold will be regarded as an unacceptable tender.

C.2.7 The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. **Tenderers must complete and sign the attendance register.** Addenda will be issued to and tenders will only be received from those tendering entities including those entities that intends forming a joint venture appearing on the attendance register.

Tenderers are also **required to bring their RFP document to the briefing session and have their returnable document T2.2-1 certificate of attendance** signed off by the Employer's authorised representative.

C.2.12 No alternative tender offers will be considered.

C.2.13.3 Each tender offer shall be in the **English Language**.

C.2.13.5 The *Employer's* details and identification details that are to be shown on each tender offer are as follows:

Identification details:

The tender documents must be uploaded with:

- Name of Tenderer: **(insert company name)**
- Contact person and details: **(insert details)**
- The Tender Number: CRAC_ELF_45981

The Tender Description: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation Equipment at Stryder and Maidi Substation.

Documents must be marked for the attention of:

Employer's Agent: Nnemo Pyana

C.2.13.9 Telephonic, telegraphic, facsimile or e-mailed tender offers will not be accepted.

C.2.15 The closing time for submission of tender offers is:

Time: **12:00pm** on the **07 June 2024**

Location: The Transnet e-Tender Submission Portal:

(<https://transnetetenders.azurewebsites.net>);

NO LATE TENDERS WILL BE ACCEPTED

C.2.16 The tender offer validity period is **12 weeks** after the closing date. Tenderers are to note that they may be requested to extend the validity period of their tender, on the same terms and conditions, if Transnet's internal evaluation and governance approval processes has not been finalised within the validity period.

C.2.23 The tenderer is required to submit with his tender:

1. A valid Tax Clearance Certificate issued by the South African Revenue Services.

Tenderers also to provide Transnet with a TCS PIN to verify Tenderers compliance status.

2. A **valid B-BBEE 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 tender;

3. A valid CIDB CRS number to confirm the correct and required designated grading.

4. Proof of registration on the Central Supplier Database;

5. Letter of Good Standing with the Workmen's compensation fund by the tendering entity or separate Letters of Good Standing from all members of a newly constituted JV.

Note: Refer to Section T2.1 for List of Returnable Documents

C3.11 The minimum number of evaluation points for functionality is: **70**

The procedure for the evaluation of responsive tenders is Functionality, Price and Preference:

Only those tenderers who attain the minimum number of evaluation points for Functionality will be eligible for further evaluation, failure to meet the minimum threshold will result in the tender being disqualified and removed from any further consideration.

Functionality Criteria

The functionality criteria and maximum score in respect of each of the criteria are as follows:

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
PREVIOUS WORKING EXPERIENCE (CERTIFICATES OF COMPLETION) Bidders should provide similar work done previously related to 3kV DC traction Substation, including cabling work, indoor DC equipment's and have contactable references.	No Response (score 0): Tenderer has submitted no information (score 10): 1 Working experience with completion letter and contactable references irrelevant to this RFQ. (score 20): 2 Working experience with completion letters and contactable references relevant to this RFQ. (score 30): 3 Working experience with completion letters and contactable references relevant to this RFQ. (score 40): 4 Working experience with completion letters and contactable references relevant to this RFQ (score 50) >5 Working experience with completion letters and contactable references relevant to this RFQ	0=0% 10=20% 20=40% 30=60% 40=80% 50=100%	50
RESOURCES TO SUCCESSFULLY THE PROJECT The contractor must prove that he/she has the resources to successfully complete the project qualified personnel, Electrical Engineering qualification. either N6 ,Diploma or Degree	No Response (score 0): Tenderer has submitted no information. (score 4): Key staff has limited recommended levels of relevant experience and qualifications. Key staff has 1 to 3 years' experience. Inadequate indication of roles and responsibilities and specific function of each team member on the organogram.	0 =0% 4= 20%	20

	(score 8): Key staff has acceptable levels of relevant experience and qualifications. Key staff has more than 3 years but up to 5 years' experience. Organisation chart showing reasonable indication of roles and responsibilities and specific function of each team member.. (score 12): Key staff have acceptable levels of relevant experience and qualifications. Keys staff has more than 5 years but up to 7 years' experience. Organisation chart showing adequate indication of roles and responsibilities and specific function of each team member. (score 16): All Key staff have acceptable levels of relevant experience and qualifications with more than 7 years' experience. Organisation chart showing more than adequate indication of roles and responsibilities and specific function of each team member. (score 20): All Key staff have acceptable levels of relevant experience and qualifications with more than 7 years' experience. Organisation chart showing more than adequate indication of roles and responsibilities and specific function of each team member.	8=40% 12=60% 16=80% 20=100%	
WORK PROGRAM / DELIVERY PERIOD	No Response (score 0): The tenderer did not submit the program	0=0%	

Gantt chart explaining step by step how work is going to be executed and commissioned	(score 2): ≥10 months to complete the project (score 4): 8 months to complete the project (score 6): 7 months to complete the project With detailed Gantt chart (score 8): 6 months to complete the project With detailed Gantt chart (score 10) ≤4 months to complete the project With detailed Gantt chart	10=20% 15=40% 20=60% 25=80% 30=100%	30
Maximum possible score for Functionality			70/100

Functionality shall be scored independently by not less than 3 (three) evaluators and averaged in accordance with the following schedules:

- T2.2-3 Previous Experience
- T2.2-4 Project Organogram, Management & CVs of Key Persons
- T2.2-5 Programme.

Each evaluation criteria will be assessed in terms of scores of 0, 20, 40, 60, 80 or 100

The scores of each of the evaluators will be averaged, weighted and then totalled to obtain the final score for functionality, unless scored collectively. (See CIDB Inform Practice Note #9).

Note: Any tender not complying with the above-mentioned requirements, will be regarded as non-responsive and will therefore not be considered for further evaluation. This note must be read in conjunction with Clause C.2.1.

C.3.11. Only tenders that achieve the minimum qualifying score for functionality will be evaluated further in accordance with the 80/20 preference points systems as described in Preferential Procurement Regulations.

80 where the financial value of one or more responsive tenders received have a value equal to or below R50 million, inclusive of all applicable taxes,

Up to 100 minus W_1 tender evaluation points will be awarded to tenderers who complete the preferencing schedule and who are found to be eligible for the preference claimed. **Should the BBBEE rating not be provided, tenderers with no verification will score zero points for preferencing.**

Thresholds	Minimum Threshold
Technical / functionality	70

Evaluation Criteria	Final Weighted Scores
Price	80
Specific goals - Scorecard	20
TOTAL SCORE:	100

Up to 100 minus W_1 tender evaluation points will be awarded to tenderers who complete the preferencing schedule and who are found to be eligible for the preference claimed. **Should the evidence required for any of the Specific Goals applicable in this tender not be provided, a tenderer will score zero preference points for that particular "Specific Goal".**

In terms of Transnet Preferential Procurement Policy (TPPP) and Procurement Manuals, the following preference points must be awarded to a bidder who provides the relevant required evidence for claiming points.

Selected Specific Goal	Number of points allocated (20)
B-BBEE Level of contributor Level 1 or 2	8
At least 51% Black Owned	2
Local Content and Production: - Electrical and Telecoms Cables (90% designated threshold) - Steel product and component for construction (100% designated threshold) - Industrial Lead Batteries (50% designated threshold) - Transformer Oil (100% designated threshold) - Manufacture of Bushing (90% designated threshold)	5
30% Black Women Owned Entities	2

Job Creation	3
Non-Compliant and/or B-BBEE Level 3-8 contributors	0

The following Table represents the evidence to be submitted for claiming preference points for applicable specific goals in a particular tender:

Specific Goals	Acceptable Evidence
B-BBEE	B-BBEE Certificate / Sworn-Affidavit B-BBEE Certificate (in case of JV, a consolidate scorecard will be accept) as per DTIC guidelines
Entities that are at least 51 % Black Owned	B-BBEE Certificate / Sworn-Affidavit B-BBEE Certificate (in case of JV, a consolidate scorecard will be accept) as per DTIC guidelines)
30% Black Women Owned Entities	Certified copy of ID Documents of the Owners and B-BBEE Certificate / Affidavit (in case of JV, a consolidate scorecard will be accept
Creation of new jobs and labour intensification	Returnable section/annexure T2.2-14 on job creation.
Local Content and Local Production	Returnable Local Content and production Annexures Local Content Annexures B, C, D and E for ALL sectors

The maximum points for this bid are allocated as follows:

<u>DISCRIPTION</u>	<u>POINTS</u>
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTION Level 1 or 2	8
Entities that are at least 51 % Black Owned	2
30% Black Women Owned Entities	2
Job Creation	3
Local Content and Production:	5
•Electrical and Telecoms Cables (90% designated threshold)	
•Steel product and component for construction (100% designated threshold)	
•Industrial Lead Batteries (50% designated threshold)	
•Transformer Oil (100% designated threshold)	
•Manufacture of Bushing (90% designated threshold)	
Non-Compliant and/or B-BBEE Level 3-8 contributors	0
Total points for Price and Specific Goals must not exceed	100

Note: Transnet reserves the right to carry out an independent audit of the tenderers scorecard components at any stage from the date of close of the tenders until completion of the contract.

C.3.13 Tender offers will only be accepted if:

1. The tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;
2. the tenderer does not appear on Transnet's list for restricted tenderers and National Treasury's list of Tender Defaulters;
3. the tenderer has fully and properly completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the Employer or potentially compromise the tender process and persons in the employ of the state.
4. Transnet reserves the right to award the tender to the tenderer who scores the highest number of points overall, unless there are **objective criteria** which will justify the award of the tender to another tenderer. Objective criteria include but are not limited to the outcome of a due diligence exercise to be conducted. The due diligence exercise may take the following factors into account inter alia;

the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his

affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,

e) complies with the legal requirements, if any, stated in the tender data and

f) is able, in the option of the employer to perform the contract free of conflicts of interest.

C.3.17 The number of paper copies of the signed contract to be provided by the Employer is 1 (one).

Transnet Freight Rail

Tender Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation Equipment at Stryder and Maidi Substation.

T2.2-3: Evaluation Schedule - Qualifications & CV's of Key Personnel

The tender must be able to demonstrate that the project personnel have sufficient knowledge, experience and qualifications to provide the required services and submit the following documents as a minimum with the tender:

1. The experience of assigned key persons in relation to the scope of work will be evaluated from three different points of view, namely:
 - i. Relevant experience - total number of moored vessel response and vessel manoeuvring studies involved in and knowledge of issues pertinent to the project e.g. local conditions, affected communities, legislation, techniques etc.
 - ii. The education, training and skills of the assigned staff in the specific sector, field, subject, etc. which is directly linked to the Scope of Works. Proof of education and training must be attached to the C.V.
2. Comprehensive CV's should be attached to this schedule:

As a minimum each CV should address the following, but not limited to;

- i. Personal particulars
 - a. Name
 - b. Place (s) of tertiary education and dates associated therewith
 - c. Professional awards
- ii. Qualifications (degrees, diplomas, grades of membership of professional societies and professional registrations) **Electrical Engineering qualification. either N6 ,Diploma or Degree**
- iii. Name of current employer and position in enterprise
- iv. Overview of post graduate experience (year, organization and position)
- v. Outline of recent assignments / experience that has a bearing on the Scope of Works

List of Key Persons assigned to the above disciplines

No.	Key Persons	Name and Surname	CV attached (Yes/No)
1			
2			
3			
4			
5			
6			

Transnet Freight Rail

Tender Number: CRAC_ELF_45981

Description of the Works: Supply, Installation, Testing and Commissioning of 3KV DC Traction Substation Equipment at Stryder and Maidi Substation.

The scoring of the Management & CV's of Key Persons will be as follows:

Score 0	Failed to provide information No response.
Score 20	Key staff has limited recommended levels of relevant experience and qualifications. Key staff has 1 to 3 years' experience. Inadequate indication of roles and responsibilities and specific function of each team member on the organogram.
Score 40	Key staff has acceptable levels of relevant experience and qualifications. Key staff has more than 3 years but up to 5 years' experience. Organisation chart showing reasonable indication of roles and responsibilities and specific function of each team member..
Score 60	Key staff have acceptable levels of relevant experience and qualifications. Keys staff has more than 5 years but up to 7 years' experience. Organisation chart showing adequate indication of roles and responsibilities and specific function of each team member.
Score 80	All Key staff have acceptable levels of relevant experience and qualifications with more than 7 years' experience. Organisation chart showing more than adequate indication of roles and responsibilities and specific function of each team member
Score 100	All Key staff have acceptable levels of relevant experience and qualifications with more than 7 years' experience. Organisation chart showing more than adequate indication of roles and responsibilities and specific function of each team member.

Index of documentation attached to this schedule:

.....

.....

.....

.....