



TRANSNET FTREIGHT RAIL, a division of

TRANSNET SOC LTD

Registration Number 1990/000900/30

[Hereinafter referred to as **Transnet**]

REQUEST FOR PROPOSAL [RFP]

No CRAC- HO-11121

**FOR THE PROVISION OF: SUPPLY AND DELIVERY OF CONCRETE OHTE MASTS ON
AND "AS AND WHEN" REQUIRED FOR A PERIOD OF TWO
YEARS.**

FOR DELIVERY TO: VARIOUS SITES

ISSUE DATE: 23 JULY 2013

BRIEFING SESSION: 30 JULY 2013

**VENUE: RME Elandsfontein Depot,
Cnr North Reef & Jet Park Road
ELANDSFONTEIN.**

TIME: 10:00 AM

CLOSING DATE: 06 AUGUST 2013

CLOSING TIME: 10:00

VALIDITY PERIOD: 90 days (25 NOVEMBER 2013)

**FOR DIRECTIONS / SITE CONTACT NOXOLO SIPUNZI
(011 878-7026)**

Section 1
NOTICE TO BIDDERS

Quotations which must be completed as indicated in Section 2 of this RFQ are to be submitted as follows:

METHOD: [Hand / post and/or courier]

CLOSING VENUE: The Secretary: Transnet Acquisition Council, Ground Floor, Tender Box, Inyanda House 1,
21 Wellington Road, Parktown, Johannesburg, 2001.

Responses to RFP

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

2. BROAD-BASED BLACK ECONOMIC EMPOWERMENT & SOCIO-ECONOMIC OBLIGATIONS

Transnet fully endorses and supports the Government's Broad-Based Black Economic Empowerment Programme and it is strongly of the opinion that all South African business enterprises have an equal obligation to redress the imbalances of the past.

Transnet would therefore prefer to do business with local business enterprises who share these same values and who are prepared to contribute to meaningful B-BBEE initiatives [including, but not limited to subcontracting and Joint Ventures] as part of their tendered responses. Transnet will accordingly allow "preference" points to companies who provide a B-BBEE Accreditation Certificate. All procurement transactions will be evaluated accordingly.

Consequently, when Transnet invites prospective Service Providers to submit Proposals for its various expenditure programmes, it urges Respondents [*Large Enterprises and QSE's - see below*] to have themselves accredited in compliance with the Government Gazette No 34612, Notice No. 754 dated 23 September 2011. As from 1 October 2011 valid B-BBEE Accreditation Certificates must be issued by

Verification Agencies accredited by the South African National Accreditation System [**SANAS**]; or

Registered auditors approved by the Independent Regulatory Board of Auditors [**IRBA**], in accordance with the approval granted by the Department of Trade and Industry.



A Verification Certificate issued must reflect the weighted points attained by the measured entity for each element of the scorecard as well as the overall B-BBEE rating.

5.1 B-BBEE Rating

Enterprises will be rated by Verification Agencies or registered auditors based on the following:

Large Enterprises [i.e. annual turnover greater than R35 million]:

- Rating level based on all seven elements of the B-BBEE scorecard

Qualifying Small Enterprises – QSE [i.e. annual turnover between R5 million and R35 million]:

- Rating based on any four of the elements of the B-BBEE scorecard

Exempted Micro Enterprises – EME [i.e. annual turnover less than R5 million]:

- EMEs are exempted from B-BBEE accreditation
- Automatic rating of Level 4 B-BBEE irrespective of race or ownership greater than 50% or Black Women ownership greater than 50% automatically qualify as Level 3 B-BBEE
- Sufficient evidence to qualify as an EME would be a certificate (which may be in the form of a letter) from an auditor or accounting officer or a certificate from a Verification Agency accredited by SANAS. The certificate must confirm the company's turnover, black ownership / black female ownership and B-BBEE status level.
- Respondents are required to furnish proof of the above to Transnet. [i.e. a detailed scorecard as stipulated above in respect of Large Enterprises and QSEs, or a certificate in respect of EMEs].
- Transnet will accordingly allocate a maximum of 10/20 [ten/twenty] points in accordance with the 80/20 / 90/10 preference point system prescribed in the Preferential Procurement Policy Framework Act (PPPFA), Act 5 of 2000 and its Regulations to the Respondent's final score based on an entity's B-BBEE scorecard rating. [Refer Annexure A for further details].
- N.B. Failure to submit a B-BBEE certificate, which is valid as at the Closing Date of this RFP, will result in a score of zero being allocated for B-BBEE.
- [Refer Section 4, Vendor Application Form, for Returnable Documents required]
- EME's should provide documentary proof of annual turnover [i.e. annual financials signed off by an accounting officer] plus proof of Black ownership if



Black ownership is greater than 50% and/or Black Women ownership is greater than 50%

Respondents will be required to furnish proof of the above to Transnet. [i.e. a detailed scorecard as stipulated above in respect of Large Enterprises and QSEs, or proof of turnover in respect of EMEs].

N.B. Failure to do so will result in a score of zero being allocated for B-BBEE.

Turnover: Kindly indicate your entity's annual turnover for the past year:

R_____

All Respondents must complete and return the B-BBEE Preference Points Claim Form attached hereto as Annexure A.

Joint Ventures and Subcontractors

In addition to the above, Respondents who wish to enter into a Joint Venture with, or subcontract portions of the contract to, B-BBEE entities must state in their RFPs, the percentage of the total contract value that will be allocated to such B-BBEE entities, should they be successful in being awarded any business. A rating certificate in respect of such B-BBEE JV-partners and/or subcontractor(s), as well as a breakdown of the distribution of the aforementioned percentage must also be furnished with the RFP response to enable Transnet to evaluate in accordance with the processes outlined in the B-BBEE Preference Points Claim Form.

Please note that a Respondent will not be awarded points for B-BBEE if it is indicated in its Proposal that such Respondent intends subcontracting more than 25% [twenty-five per cent] of

the value of the contract to an entity that does not qualify for at least the same points that the Respondent qualifies for, unless the intended subcontractor is an EME with the capability to execute the contract.

B-BBEE Registration

In addition to the accreditation certificate, Transnet recommends that Respondents register their B-BBEE compliance and supporting documentation on the Department of Trade and Industry's [DTI] National B-BBEE IT Portal and Opportunities Network and provide Transnet with proof of registration in the form of an official B-BBEE Profile issued by the DTI.

Transnet would wish to use the DTI B-BBEE IT Portal as a data source for tracking B-BBEE compliance.

For instructions to register and obtain a DTI B-BBEE Profile go to

<http://bee.thedti.gov.za>



3. Communication

- a) Respondents are warned that a response will be liable for disqualification should any attempt be made by a Respondent either directly or indirectly to canvass any officer(s) or employee of Transnet in respect of this RFQ between the closing date and the date of the award of the business.
- b) A Respondent may, however, before the closing date and time, direct any written enquiries relating to the RFP to the following Transnet employee:

Name: Gladys Mtambo

Telephone: 011 584 0597

Email: gladys.mtambo@transnet.net

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Quotations are requested from interested Respondents to supply the above-mentioned requirement to TRANSNET FREIGHT RAIL.

On or after 23/07/2013 the RFP documents may be inspected at, and are obtainable from the office of TRANSNET Freight Rail Tender Advice Centre, Ground Floor, Inyanda 1, 21 Wellington Road, Parktown.

A COMPULSORY INFORMATION MEETING WILL BE HELD AT THE FOLLOWING

**VENUE : RME OFFICES,
CNR NORTH REEF & JET PARK ROAD
ELANDSFONTEIN.**

TIME: 10:00

DATE : 30 JULY 2013

The site meeting is compulsory and companies not attending **will be overlooked** during the tender awarding process.

A non-refundable tender fee of R750.00 (inclusive of Vat) is applicable per tender (listed below).

Payment is to be made to Transnet Freight Rail, Standard Bank Account number 203158598, Branch code 004805. The deposit slip must reflect the tender number RFQ CRAC- HO-11121 and the Company Name.

Receipt/s to be presented prior to collection of the tender/s.

NOTE: This amount is not refundable.

For specific queries, please contact the TFR representative below.

- c) Respondents may also, at any time after the closing date of the RFQ, communicate with Secretary of the Transnet Acquisition Council. On any matter relating to its RFQ response:

Telephone 011 544 9486

Facsimile 011 774 9760

Email Prudence.Nkabinde@transnet.net



6 TAX CLEARANCE

The Respondent's original valid Tax Clearance Certificate must accompany the Quotation. Failure to provide this document with the RFQ submission will result in disqualification.

5. VAT Registration

The valid VAT registration number must be stated here: _____ [if applicable].

5. Legal Compliance

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

6. Changes to Quotations

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

7. Pricing

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

8. PRICES SUBJECT TO CONFIRMATION

Prices quoted which are subject to confirmation will not be considered.

9. Negotiations

Transnet reserves the right to undertake post-tender negotiations with selected Respondents or any number of short-listed Respondents.

10. 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.

11. Disclaimers

Transnet 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 Transnet reserves the right to:

- modify the RFP'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;
- disqualify Quotations submitted after the stated submission deadline;
- not necessarily accept the lowest priced Quotation;



- reject all Quotations, if it so decides;
 - place an order in connection with this Quotation at any time after the RFP's closing date;
 - award only a portion of the proposed goods / service/s which are reflected in the scope of this RFP;
- split the award of the order/s between more than one Supplier/Service Provider; or make no award at all.

In addition, Transnet reserves the right to exclude any Respondent from the bidding process who has been convicted of a serious breach of law during the preceding 5 [five] years, including but not limited to breaches of the Competition Act 89 of 1998. Respondents are required to indicate below whether or not they have been found guilty of a serious breach of law during the past 5 [five] years:

I/We _____ do hereby certify that *I/we **have/have not been*** found guilty during the preceding 5 [five] years of a serious breach of law, including but not limited to a breach of the Competition Act, 89 of 1998, by a court of law, tribunal or other administrative body. The type of breach that the Respondent is required to disclose excludes relatively minor offences or misdemeanours, e.g. traffic offences.

Where found guilty of such a serious breach, please disclose:

NATURE OF BREACH:

DATE OF BREACH:

Furthermore, I/we acknowledge that Transnet SOC Ltd reserves the right to exclude any Respondent from the bidding process, should that person or entity have been found guilty of a serious breach of law, tribunal or regulatory obligation.

12. Respondent's Samples

Only in cases when the Respondent submits a sample(s) of the goods / products / material quoted for, the sample(s) must be endorsed with the RFP (CRAC- STQ 11121) to the above description and forwarded on or before (N/A) the deadline date to the following addresses: TRANSNET Freight Rail Tender Advice Centre, Ground Floor, Inyanda 1, 21 Wellington Road, Parktown.



13. Evaluation Criteria

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

Administrative responsiveness - Completeness of response and returnable documents

Substantive responsiveness – Prequalification criteria, if any, must be met and whether the Bid materially complies with the scope and/or specification given Technical threshold of ...%:

- The method will be used i.e. Price and Preference
- **Stage 1: Administrative Responsiveness Test**
- Returnable Schedule of Documents (Essential)
- **Stage 2: Substantive Responsiveness Test**
- Proof indicating Implementation of SANS 9001 Quality System
- Proof of Statistical Process Control (Manufacturing Process)
- Submission of SANS 9001 Quality Plan
- Accreditation from SANS 10100 -1, SANS 9001, SANS 10111 and SANS 121
- Material Compliance to Transnet Technology Management Specification

Commercial:

- Competitive pricing

B-BBEE status of company

- Provide BBBEE level Certification and Score Card

Weighted evaluation based on 90/10 preference point system:

- Pricing and price basis [firm] - whilst not the sole factor for consideration, competitive pricing and overall level of unconditional discounts¹ will be critical

Transnet will utilise the following formula in its evaluation of Price:

¹ Only unconditional discounts will be taken into account during evaluation. A discount which has been offered conditionally will, despite not being taken into account for evaluation purposes, be implemented when payment is effected.



$$PS = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right) \text{ OR } PS = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where:

Ps = Score for the Bid under consideration
Pt = Price of Bid under consideration
Pmin = Price of lowest acceptable Bid

- B-BBEE status of company

Preference points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)
1	10
2	9
3	8
4	5
5	4
6	3
7	2
8	1
Non-compliant contributor	0

14. Validity Period

Transnet desires a validity period of 90 [thirty] days from the closing date of this RFQ.

This RFQ is valid until _____.

15. Banking Details

BANK: _____

BRANCH NAME / CODE: _____

ACCOUNT HOLDER: _____

ACCOUNT NUMBER: _____

16. Company Registration

Registration number of company / C.C. _____

Registered name of company / C.C. _____

17. Disclosure of Prices Quoted

Respondents must indicate here whether Transnet may disclose their quoted prices and conditions to other Respondents:

YES NO

18. Returnable Documents

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below.

- a) Respondents are required to submit with their Quotations the **Returnable Documents**, as detailed below.

Failure to provide all these 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 these Documents are returned with their Quotations.

All Sections, as indicated in the footer of each page, must be signed, stamped and dated by the Respondent. Please confirm submission of these mandatory Returnable Documents by so indicating [Yes or No] in the table below:

Returnable Documents	Submitted [Yes or No]
SECTION 1 : Notice to Bidders	
<ul style="list-style-type: none"> - Valid B-BBEE Verification Certificate [RSA Large Enterprises and QSEs] Note: failure to provide a valid B-BBEE Verification Certificate at the closing date and time of the tender will result in an automatic score of zero being allocated for B-BBEE scorecard 	
<ul style="list-style-type: none"> - Valid B-BBEE certificate from auditor, accounting officer or SANAS accredited Verification Agency [RSA EMEs] Note: failure to provide a valid B-BBEE Verification Certificate at the closing date and time of the tender will result in an automatic score of zero being allocated for B-BBEE scorecard 	
<ul style="list-style-type: none"> - In the case of Joint Ventures, a copy of the Joint Venture Agreement or written confirmation of the intention to enter into a Joint Venture Agreement 	
SECTION 2 : Quotation Form	
SECTION 3: Vendor Application Form	
<ul style="list-style-type: none"> • Original cancelled cheque or bank verification of banking details 	
<ul style="list-style-type: none"> • Certified copies of IDs of shareholder/directors/members [as applicable] 	
<ul style="list-style-type: none"> • Certified copy of Certificate of Incorporation [CM29/CM9 name change] 	
<ul style="list-style-type: none"> • Certified copy of share certificates [CK1/CK2 if C.C.] 	
<ul style="list-style-type: none"> • Entity's letterhead 	
<ul style="list-style-type: none"> • Certified copy of VAT Registration Certificate [RSA entities only] 	



Returnable Documents	Submitted [Yes or No]
<ul style="list-style-type: none"> • Certified copy of valid Company Registration Certificate [if applicable] • Original valid Tax Clearance Certificate [Consortia / Joint Ventures / Sub-contractors must submit a separate Tax Clearance Certificate for each party] 	
ANNEXURE A – B-BBEE Preference Points Claim Form	
ANNEXURE : Technical Submission/Questionnaire	

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TRANSNET urges its clients and suppliers to report any fraud or corruption on the part of TRANSNET's employees to
TIP-OFFS ANONYMOUS : 0800 003 056



Section 2
QUOTATION FORM

I/We _____
hereby offer to supply the goods/services at the prices quoted in the Price Schedule below, in accordance with the conditions related thereto.

I/We agree to be bound by those terms and conditions in:
the Standard Terms and Conditions for the Supply of Goods or Services to Transnet [available on request]; and
any other standard or special conditions mentioned and/or embodied in this Request for Quotation.

I/We accept that unless Transnet should otherwise decide and so inform me/us, this Quotation [and, if any, its covering letter and any subsequent exchange of correspondence], together with Transnet's acceptance thereof shall constitute a binding contract between Transnet and me/us.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fail to deliver the said goods/service/s within the delivery lead-time quoted, Transnet may, without prejudice to any other legal remedy which it may have, cancel the order and recover from me/us any expenses incurred by Transnet in calling for Quotations afresh and/or having to accept any less favourable offer.

Price Schedule

I/We quote as follows for the goods required, on a "delivered nominated destination" basis, excluding VAT: **[for SERVICES, attach a scope of work & pricing schedule]**

Item No	Description of Goods /Services	Quantity	Total Price (ZAR)
1	SUPPLY AND DELIVERY OF CONCRETE OHTE MASTS ON AN "AS AND WHEN" REQUIRED BASIS FOR A PERIOD OF TWO YEARS.		

Delivery Lead-Time from date of purchase order: _____
[days/weeks]



Notes to Pricing:

- a) All Prices must be quoted in South African Rand, exclusive of VAT
- b) 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 disqualified.
- c) Please note that should you have offered a discounted price(s), Transnet will only consider such price discount(s) in the final evaluation stage if offered on an unconditional basis.

2 REFERENCES

Please indicate below the company names and contact details of existing customers whom Transnet may contact to seek third party evaluations of your current service levels:

NAME OF COMPANY	DESCRIPTION OF PROJECT	START /COMPLETION DATE	VALUE OF PROJECT	CONTACT PERSON	TELEPHONE

REQUEST FOR PROPOSAL [RFP] No

No CRAC- HO-11121

Information Session

RFQ SITE MEETING

A COMPULSORY INFORMATION MEETING WILL BE HELD AT THE FOLLOWING VENUE:

Venue : NO. 1 RME
ELANDSFONTEIN.
Time : 10:00 AM
Date : 30 July 2013

The site meeting is compulsory and companies not attending **will be overlooked** during the tender awarding process.

ATTENDANCE CERTIFICATE

This is to certify that.....

Representative/s of

Has/have today attended the Tender briefing in respect of the proposed:

•
.....

TRANSNET'S REPRESENTATIVE

TENDERER'S REPRESENTATIVE

DATE:

• **VERY IMPORTANT**

ANY TENDERER NOT ATTENDING THE INFORMATION MEETING **WILL** AUTOMATICALLY BE EXCLUDED FROM THE BUSINESS AWARDING PROCESS



REQUEST FOR PROPOSAL [RFP] No

No CRAC- HO-11121

PROPOSAL FORM

I/We _____

(name of company, close corporation or partnership)

of (full address)

_____ carrying on business under style or title of (trading as)

represented

by _____

in my capacity as

being duly authorized thereto by a Resolution of the Board of Directors or Members or Certificate of Partners, as the case may be, dated _____ a certified copy of which is

annexed hereto, hereby offer to supply the above-mentioned Goods at the prices quoted in the schedule of prices in accordance with the terms set forth in the accompanying letter(s) reference

_____ and dated _____ (if any) and the

documents listed in the accompanying schedule of RFP documents.

I/We agree to be bound by those conditions in Transnet's:

- (i) Standard Terms and Conditions of Contract Form No. US7 - Goods;
- (ii) General Tender Conditions, Form CSS5 – Goods; and
- (iii) any other standard or special conditions mentioned and/or embodied in the Request for Proposal form; and;-

I/We accept that unless Transnet should otherwise decide and so inform me/us in the facsimile or letter of acceptance, this Proposal (and, if any, its covering letter and any subsequent exchange of correspondence), together with Transnet's acceptance thereof shall constitute a binding contract between Transnet and me/us.



Should Transnet decide that a formal contract should be signed and so inform me/us in the facsimile or letter of acceptance, this Proposal (and, if any, its covering letter and any subsequent exchange of

correspondence) together with Transnet's letter of acceptance/intent, shall constitute a binding contract between Transnet and me/us until the formal contract is signed.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Proposal, I/we fail to enter into a formal contract if called upon to do so, or fail to commence the supply of Goods within 4 (four) weeks, Transnet may, without prejudice to any other legal remedy which it may have,

recover from me/us any expense to which it may have been put in calling for Proposals afresh and/or having to accept any less favourable Proposal.

I/We accept that any contract resulting from this offer will be for a period ofonly; and agree to a penalty clause to be negotiated with Transnet, which will allow Transnet to invoke a penalty (details to be negotiated) against us should the delivery of the Goods be delayed due to non-performance by us.

The law of the Republic of South Africa shall govern the contract created by the acceptance of this RFP. The domicillium citandi et executandi shall be a place in the Republic of South Africa to be specified by the Respondent

hereunder, at which all legal documents may be served on the Respondent who shall agree to submit to the jurisdiction of the courts of the Republic of South Africa. Foreign Respondents shall, therefore, state hereunder, the name of their accredited agent in the Republic of South Africa who is empowered to sign any contract which may have to be entered into in the event of their Proposal being accepted and to act on their behalf in all matters relating to the contract.

Respondent to indicate domicillium citandi et executandi hereunder:

Four horizontal lines for the respondent to provide their domicillium citandi et executandi.



NOTIFICATION OF AWARD OF RFP

As soon as possible after approval to award the contract/s, the successful Respondent (the Supplier) will be informed of the acceptance of its Proposal. Unsuccessful Respondents will be advised in writing of the name of the successful Supplier and the reason as to why their Proposals have been unsuccessful, for example, in the category of price, delivery period, quality, BBBEE status or for any other reason.

VALIDITY PERIOD

Transnet desires a validity period of 3 (three) months (from closing date) against this RFQ. It should be noted that Respondents may offer an earlier validity period, but that their Proposals may be disregarded for that reason. Should Respondents be unable to comply with this validity period, an alternative validity period must be stated hereunder:

This RFQ is valid until _____ (State alternative validity period/date).

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REQUEST FOR PROPOSAL [RFP] No

No CRAC- HO-11121

NON-DISCLOSURE AGREEMENT

entered into by and between

TRANSNET SOC LTD

Registration Number 1990/000900/30

and

Registration Number _____

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THIS AGREEMENT is made between

Transnet SOC Ltd [Transnet] [Registration No. 1990/000900/30]

whose registered office is at 49th Floor, Carlton Centre, 150 Commissioner Street, Johannesburg 2001,

and

_____ [the Company] [Registration No
 _____] whose registered office is at

WHEREAS

Transnet and the Company wish to exchange Information [as defined below] and it is envisaged that each party may from time to time receive Information relating to the other in respect thereof. In consideration of each party making available to the other such Information, the parties jointly agree that any dealings between them shall be subject to the terms and conditions of this Agreement which themselves will be subject to the parameters of the Bid Document.

IT IS HEREBY AGREED

• **INTERPRETATION**

In this Agreement:

- **Agents** mean directors, officers, employees, agents, professional advisers, contractors or sub-contractors, or any Group member;
- **Bid or Bid Document** means Transnet's Request for Information [RFI] Request for Proposal [RFP] or Request for Quotation [RFQ], as the case may be;
- **Confidential Information** means any information or other data relating to one party (the **Disclosing Party**) and/or the business carried on or proposed or intended to be carried on by that party and which is made available for the purposes of the Bid to the other party (the **Receiving Party**) or its Agents by the Disclosing Party or its Agents or recorded in agreed minutes following oral disclosure and any other information otherwise made available by the Disclosing Party or its Agents to the Receiving Party or its Agents, whether before, on or after the date of this



Agreement, and whether in writing or otherwise, including any information, analysis or specifications derived from, containing or reflecting such information but excluding information which:

•

- is publicly available at the time of its disclosure or becomes publicly available (other than as a result of disclosure by the Receiving Party or any of its Agents contrary to the terms of this Agreement); or
 - was lawfully in the possession of the Receiving Party or its Agents (as can be demonstrated by its written records or other reasonable evidence) free of any restriction as to its use or disclosure prior to its being so disclosed; or
 - following such disclosure, becomes available to the Receiving Party or its Agents (as can be demonstrated by its written records or other reasonable evidence) from a source other than the Disclosing Party or its Agents, which source is not bound by any duty of confidentiality owed, directly or indirectly, to the Disclosing Party in relation to such information;
- **Group** means any subsidiary, any holding company and any subsidiary of any holding company of either party; and
- **Information** means all information in whatever form including, without limitation, any information relating to systems, operations, plans, intentions, market opportunities, know-how, trade secrets and business affairs whether in writing, conveyed orally or by machine-readable medium.

• **CONFIDENTIAL INFORMATION**

- All Confidential Information given by one party to this Agreement (the **Disclosing Party**) to the other party (the **Receiving Party**) will be treated by the Receiving Party as secret and confidential and will not, without the Disclosing Party's written consent, directly or indirectly communicate or disclose (whether in writing or orally or in any other manner) Confidential Information to any other person other than in accordance with the terms of this Agreement.
- The Receiving Party will only use the Confidential Information for the sole purpose of technical and commercial discussions between the parties in relation to the Bid or for the subsequent performance of any contract between the parties in relation to the Bid.



- Notwithstanding clause 10 above, the Receiving Party may disclose Confidential Information:
 - to those of its Agents who strictly need to know the Confidential Information for the sole purpose set out in clause 10 above, provided that the Receiving Party shall ensure that such Agents are made aware prior to the disclosure of any part of the Confidential Information that the same is confidential and that they owe a duty of confidence to the Disclosing Party. The Receiving Party shall at all times remain liable for any actions of such Agents that would constitute a breach of this Agreement; or
 - to the extent required by law or the rules of any applicable regulatory authority, subject to clause 10 below.

- In the event that the Receiving Party is required to disclose any Confidential Information in accordance with clause 10 above, it shall promptly notify the Disclosing Party and cooperate with the Disclosing Party regarding the form, nature, content and purpose of such disclosure

- or any action which the Disclosing Party may reasonably take to challenge the validity of such requirement.

- In the event that any Confidential Information shall be copied, disclosed or used otherwise than as permitted under this Agreement then, upon becoming aware of the same, without prejudice to any rights or remedies of the Disclosing Party, the Receiving Party shall as soon as practicable notify the Disclosing Party of such event and if requested take such steps (including the institution of legal proceedings) as shall be necessary to remedy (if capable of remedy) the default and/or to prevent further unauthorised copying, disclosure or use.

- All Confidential Information shall remain the property of the Disclosing Party and its disclosure shall not confer on the Receiving Party any rights, including intellectual property rights over the Confidential Information whatsoever, beyond those contained in this Agreement.

- **RECORDS AND RETURN OF INFORMATION**
 - The Receiving Party agrees to ensure proper and secure storage of all Information and any copies thereof.



- The Receiving Party shall keep a written record, to be supplied to the Disclosing Party upon request, of the Confidential Information provided and any copies made thereof and, so far as is reasonably practicable, of the location of such Confidential Information and any copies thereof.
- The Company shall, within 7 (seven) days of receipt of a written demand from Transnet:
 - return all written Confidential Information (including all copies); and
 - expunge or destroy any Confidential Information from any computer, word processor or other device whatsoever into which it was copied, read or programmed by the Company or on its behalf.
- The Company shall on request supply a certificate signed by a director as to its full compliance with the requirements of clause 10 above.

- **ANNOUNCEMENTS**

- Neither party will make or permit to be made any announcement or disclosure of its prospective interest in the Bid without the prior written consent of the other party.
- Neither party shall make use of the other party's name or any information acquired through its dealings with the other party for publicity or marketing purposes without the prior written consent of the other party.

- **DURATION**

The obligations of each party and its Agents under this Agreement shall survive the termination of any discussions or negotiations between the parties regarding the Bid and continue thereafter for a period of 5 (five) years.

- **PRINCIPAL**

Each party confirms that it is acting as principal and not as nominee, agent or broker for any other person and that it will be responsible for any costs incurred by it or its advisers in considering or pursuing the Bid and in complying with the terms of this Agreement.

- **ADEQUACY OF DAMAGES**

Nothing contained in this Agreement shall be construed as prohibiting the Disclosing Party from pursuing any other remedies available to it, either at law or in equity, for any such threatened or



actual breach of this Agreement, including specific performance, recovery of damages or otherwise.

- **PRIVACY AND DATA PROTECTION**

- The Receiving Party undertakes to comply with South Africa's general privacy protection in terms of the Bill of Rights (Section 14) in connection with this Bid and shall procure that its personnel shall observe the provisions of such Act (as applicable) or any amendments and re-enactments thereof and any regulations made pursuant thereto.
- The Receiving Party warrants that it and its Agents have the appropriate technical and organisational measures in place against unauthorised or unlawful processing of data relating to the Bid and against accidental loss or destruction of, or damage to such data held or processed by them.

- **GENERAL**

- Neither party may assign the benefit of this Agreement, or any interest hereunder, except with the prior written consent of the other, save that Transnet may assign this Agreement at any time to any member of the Transnet Group.
- No failure or delay in exercising any right, power or privilege under this Agreement will operate as a waiver of it, nor will any single or partial exercise of it preclude any further exercise or the exercise of any right, power or privilege under this Agreement or otherwise.
- The provisions of this Agreement shall be severable in the event that any of its provisions are held by a court of competent jurisdiction or other applicable authority to be invalid, void or otherwise unenforceable, and the remaining provisions shall remain enforceable to the fullest extent permitted by law.
- This Agreement may only be modified by a written agreement duly signed by persons authorised on behalf of each party.
- Nothing in this Agreement shall constitute the creation of a partnership, joint venture or agency between the parties.
- This Agreement will be governed by and construed in accordance with South African law and the parties irrevocably submit to the exclusive jurisdiction of the South African courts.



SECTION 3

REQUEST FOR PROPOSAL [RFP] No

No CRAC- HO-11121

SCOPE OF WORK

"PREVIEW COPY ONLY"



TRANSNET
freight rail

A Division of Transnet Limited

TECHNOLOGY MANAGEMENT

SPECIFICATION

PRE-STRESSED CONCRETE MASTS FOR ELECTRIFICATION PROJECTS

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Date: 03 July 2013

Circulation Restricted To:

Transnet Freight Rail

Transnet and Relevant Third Parties

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1.0 SCOPE

This specification covers Transnet Freight Rail's requirements for the design, manufacture and supply of pre-stressed concrete masts for use as support structures for electrification systems. Two types of masts can be specified: - Type A to be used with core type foundations; Type B to be used with bolt group foundations.

2.0 APPENDICES

The following appendices form an integral part of this specification:

Appendix 1 - Schedule of requirements

Appendix 2 - Technical data sheet

Appendix 3 - Mast loading detail

Appendix 4 - Foundation design requirements

3.0 STANDARDS AND PUBLICATIONS

The following publications (latest edition) are referred to herein:

3.1 South African Bureau of Standards:

- | | |
|-----------------|-----------------------------------------------------------------------------------------------------|
| SANS 10100 - 1: | The Structural Use of Concrete. |
| SANS 9001: | Quality Management. |
| SANS 10111: | Engineering Drawing. |
| SANS 121 | Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods |

3.2 Transnet Freight Rail:

- | | |
|-----------|-------------------------------------------------------------------------------------------------------------|
| CEE-0045: | Painting of Steel Components of Electrical Equipment. |
| CEE-0183: | Hot Dip Galvanising and Painting of Electrification Steelwork. |
| CEE-0244 | Drawings, Catalogues, Instruction manuals and Spares list for Electrical Equipment supplied under contract. |

4.0 DEFINITIONS

For the purpose of this standard the following definitions shall apply:

- 4.1 **WORKING LOAD.** The load applied in a transverse direction at a point 7 500mm plus the specified depth in the foundation from the butt of the mast (if type A) which equates to the rated bending moment. (See Appendix 1 clause 3).
- 4.2 **DESIGN LOAD.** The working load multiplied by a factor of safety of 2. The ultimate strength of the mast shall equal or exceed this value.
- 4.3 **ULTIMATE LOAD.** The load at which failure occurs when tested as described in section 12.
- 4.4 **PROOF LOAD (Tp).** The load applied to the mast to determine the maximum deflection.
- NOTE:** For the purpose of this specification the proof load will be equal to the working load.
- 4.5 **STATIC LOAD (Tst).** The load applied to the mast over an 8 hour period to determine the creep deflection.

NOTE: For the purpose of this specification the static load will be equal to $\frac{2}{3}$ of the proof load.

- 4.6 **LONGITUDINAL DIRECTION.** The horizontal direction in the same line as the run of the overhead track conductors.
- 4.7 **TRANSVERSE DIRECTION.** The horizontal direction at right angles to the run of the overhead conductors.
- 4.8 **FAILURE.** The inability of a mast under test to support any further additional load.

5.0 **METHOD OF TENDERING**

The "Technical Data Sheet" - Appendix 2 to this specification shall be fully completed by tenderers in respect of each design/size of mast offered. Failure to submit fully completed data sheet(s) may preclude a tender from further consideration.

6.0 **SERVICE CONDITIONS**

- 6.1 The masts offered shall be designed for use and operate satisfactorily under the following environmental conditions:

Altitude: 0 - 1 800m above sea level.

Relative Humidity: 10% to 90%.

Ambient Temperature: Minus 10 °C to plus 55 °C.

Level of Pollution: Heavily salt laden or polluted with smoke from industrial sources.

Lightning conditions: 19.2 ground flashes/km²/annum

- 6.2 The masts offered shall be designed for use and operate satisfactorily under the following service conditions:

Air Pollution: Steam and diesel electric locomotives will operate under the traction equipment.

Vibration: Severe, train traffic in the immediate vicinity.

Fire Hazard: Grass verges surrounding Transnet Freight Rail's track formations are burnt annually. Otherwise fire hazard normal.

7.0 **QUALITY MANAGEMENT**

- 7.1 The manufacturer must indicate at the tendering stage what steps have been taken to implement a Quality System in terms of SANS 9001. Preference shall be given to tenderers implementing a Quality System to SANS 9001.
- 7.2 A system of Statistical Process Control must be part of the manufacturing procedure.
- 7.3 A Quality Plan in terms of SANS 9001 must be forwarded to this office for approval prior to any work being started on this project, so that approval may be obtained before production commences.

8.0 **COMPLIANCE**

Pre-stressed concrete masts offered by the tenderer and accepted by Transnet Freight Rail on the basis of the tender documents shall be supplied strictly in accordance with the requirements of the contract entered into between the successful tenderer and Transnet Freight Rail. No changes or substitutes will be allowed without the written consent of Transnet Freight Rail to such changes or substitutes.

9.0 GENERAL INFORMATION

This specification covers *inter alia* the design; manufacture and supply of equipment which only firms with special knowledge and experience can perform to Transnet Freight Rail's satisfaction. Tenders of firms, who have designed, manufactured and supplied similar equipment to Transnet Freight Rail or other railways will receive preference. Any other designs depicting improvements to the Transnet Freight Rail specification will be considered at the discretion of Transnet Freight Rail and shall be submitted as a fully alternative offer. The design thereof shall be supported by fully detailed and completed calculations (not computer printouts) and these calculations shall be made available to Transnet Freight Rail at the time of tender.

10.0 TECHNICAL REQUIREMENTS

- 10.1 The pre-stressed concrete masts shall be designed for use as electrification structures to support an electrical overhead traction wire system strictly in accordance with the load and deflection requirements laid down in Appendix 3. Two types of pre-stressed masts may be ordered. The first type (A) is a mast suitable for core type foundations, and the second type (B) of mast shall be fitted with a base plate for use with bolt group foundations.
- 10.2 Tenderers shall submit detailed design calculations and drawings of the mast design offered with their tender documents. Full details of similar practical applications, if any, and actual in-service test results should be provided in support of the above.
- 10.3 The design safety factor, based on the destruction tests laid down herein, shall be at least 2. See also SANS 10100 -1 clause 3.4.6.
- 10.4 The corners of all masts shall be rounded to an approximate 10mm radius, and the surface smoothed all around either during manufacture or by grinding after hardening so that they do not present a dangerously sharp edge which could, for example, cause tearing or excessive wear of safety belts. No blow holes in excess of Ø5mm shall be evident, and the density of blow holes shall not exceed 10 holes per dm².
- 10.5 Exposed ends of pre-stressing tendons shall be recessed at the top of the mast and completely sealed with a durable compound. All exposed metal components shall be of stainless steel or recessed and suitably sealed. Tenderers are invited to comment on the need to protect the mast top against lightning.
- 10.6 The concrete cover to all steel reinforcement including stirrups and pre-stressing tendons shall be not less than 25mm. This depth is to be verified with a device designed to measure re-bar position.
- 10.7 Masts are not to be designed to withstand impact stresses such as might occur when a mast is hit by a moving vehicle.
- 10.8 The method to transport and handle the masts during construction must be clearly described.
- 10.9 The tenderer shall state in his tender whether any additives are used with the concrete during any stage of the manufacturing process of the pre-stressed masts.
- 10.10 Masts shall be designed to withstand a longitudinal bending moment of at least 0,25 - times the transverse working bending moment and tenderers shall comment on the ability of the mast to withstand a sudden application of such a load.
- 10.11 Tenderer's shall ensure that the dimension of the mast in the plane facing towards the track/s shall be 198 plus/minus 2mm wide from 200mm below the contact wire height specified in Appendix 1 to the top of the mast supplied, whatever the designed width of the mast below

- this height. The 198 plus/minus 2mm mast dimension is required to suit standardised clamp-on type electrification fittings.
- 10.12 The tenderer shall incorporate in his design and manufacturing process $\text{Ø}6\text{mm} \times 30\text{mm}$ deep round holes spaced at 1m intervals on the centre of the mast face normal to the run of the track on one side of the mast only. The holes shall start 1 200mm from the base of the mast. This is required to attach additional bonding wire to the mast.
- 10.13 Two types of base plates could be specified when ordering type B masts.
- Type (B₁): This is used where the bolt group of the existing foundation is so corroded that they cannot be re-used.
- Type (B₂): This is used where the bolt groups of the existing foundations can be re-used.
- 10.13.1 The base plate must be strong and rigid and tightly secured to the mast with an epoxy interface, to ensure full contact and to avoid penetration of water.
- 10.13.2 The assembly shall be able to withstand a maximum rated bending moment as specified in Appendix 1 clause 4.0 and an ultimate load of the maximum rated bending moment x 2.
- 10.13.3 No separation between the base plate and mast shall occur at the working load (maximum rated bending moment). A separation not exceeding 0,1mm shall be permitted at 60% of ultimate (design) load.
- 10.13.4 Prior to design load being attained, no reinforcing or pre-stressing wires shall snap and no crushing effect in the concrete shall be evident in the compression zone.
- 10.14 The ability of the assembly to meet the criteria from clause 10.13.1 through to clause 10.13.4 shall be demonstrated in order for a supplier to qualify as a tenderer.
- 10.15 The base plate is to be hot-dip galvanized after manufacture and/or drilling of holes. See Specification CEE-183: Hot Dip Galvanising and Painting of Electrification Steelwork.
- 10.15.1 For further corrosion protection see specification CEE-0045.
- 10.16 The components which secure the base-plate to the mast must be so designed and treated so as to prevent corrosion setting in.
- 10.17 The system used to connect the base plate to the foundation must likewise have adequate corrosion protection.
- 10.18 Adequate corrosion protection implies that the structural and aesthetic appearance of the system is not affected for a period of at least 20 years.
- 10.19 Provision shall be made for an integral earth wire arrangement. The bottom connection shall be at a distance of 300mm above foundation level, and the top connection shall be at specified contact wire height. (IF REQUIRED)
- 10.20 All pre-stressed wires must be Hot Dip Galvanising to SANS 0121:2011, for masts used at coastal areas.

11.0 FINISHING AND MARKING

- 11.1 Pre-stressed concrete masts supplied shall be marked with the following information in cast-in letters and figures of at least 25mm in height and 20mm in width and shall be completely legible :-

Transnet Freight Rail (or any other name as advised on approval of quality plan)

Contract No.:

Manufacturer's Name/Symbol or Logo:

Date of manufacture and mast No.:

Rated bending moment:

11.2 This information shall be depicted on the mast 4,5m from the butt end,

12.0 INSPECTION AND TESTING

12.1 Transnet Freight Rail reserves the right to be represented at all tests required. The responsibility for arranging these tests and the supply of test equipment shall rest with the successful tenderer and be for his account.

12.2 All test equipment required for the testing of the pre-stressed concrete masts shall be covered by calibration certificates issued by a laboratory registered by the National Calibration Service of the CSIR and the certificates shall be available at all tests.

12.3 Type Testing.

12.3.1 Before the successful tenderer commences with the production of the masts, five (5) test masts of each design to be supplied shall be manufactured in terms of this specification for type testing purposes.

12.3.2 Each mast shall be subjected to the deflection and creep tests. The deflection measured shall be monitored constantly and the results recorded.

12.3.2.1 The static load, as laid down in Appendix 3 shall be applied in transverse direction 7,5m above the clamping point specified in clause 12.4.2.1 and the deflection measured at this height.

12.3.2.2 The deflection shall again be measured after 8 hours.

12.3.2.3 The additional deflection due to creep shall not exceed the initial deflection by more than 15mm.

12.3.3 After the completion of the creep test, the transverse load shall be increased until the mast fails. The failing load shall be recorded, as well as the location of the failure.

12.3.4 Each mast design will be approved provided that :

12.3.4.1 The average deflections of the five type tested masts do not exceed those specified in Appendix 3 and none of the deflections of any individual mast exceeds the average of the five masts by more than 15mm.

12.3.4.2 None of the type tested masts fails at a load less than the design load, and no visible hair cracks occur at loads below 60% of the design load.

12.4 Routine Tests.

12.4.1 A compression test shall be performed on a 7 day test cube of every mix and the results shall indicate that the 28 day strength specified in Appendix 2 will undoubtedly be obtained.

12.4.2 One mast out of each batch shall be selected at random and be tested as follows:

12.4.2.1 The mast shall be securely clamped at formation level at a distance from the butt end equal to the specified depth in the foundation (see Appendix 1 clause 3).

12.4.2.2 The proof load as laid down in Appendix 3 shall be applied in the transverse direction 7,5m above the clamping point specified in clause 12.4.2.1 - and the deflection measured at the load point.

12.4.2.3 The deflection of the mast at the load point shall not exceed the average type test deflections by more than 25% of the maximum transverse proof load deflection submitted in Appendix 2. No hair cracks shall occur.

12.4.2.4 The live load deflection at contact wire height shall never exceed 40mm at a live load determined by subtracting Tst from Tp (Appendix 3). This deflection will be measured during the proof load test.

- 12.4.2.5 The static load, as laid down in Appendix 3 shall be applied in transverse direction 7,5m above the clamping point specified in clause 12.4.2.1 and the deflection measured at this height.
- 12.4.2.6 No visible hair cracks shall occur at loads below 60% of the design load. (No Crack Load).
- 12.4.3 Should the mast fail to comply with the requirement of clauses 12.4.2.3 or 12.4.2.6 another two masts in the same batch shall be similarly tested. Should one of these masts fail to meet the requirements then all the remaining masts in the same batch will be rejected.
- 12.5 All masts shall be tested for straightness along the centre line of the mast.
- 12.5.1 A fish line shall run through the centre on the butt of the mast and a distance of 3m from the butt of the mast to the tip of the mast. The deviation shall be measured between the fish line and the centre of the mast tip.
- 12.5.2 The maximum deviation between the centre line of the mast and the fish line shall not exceed 4mm/m (4mm x mast length).
- 12.6 The depth of the pre-stressing tendons shall comply with clause 10.7.
- 12.7 The successful tenderer shall keep a detailed record of all tests performed.
- 12.8 This record shall be kept available for inspection by the representative of Transnet Freight Rail.
- 12.9 On completion of the contract the test records shall be submitted to Engineering Infrastructure in terms of clause 14.0.
- NOTE: The record shall also include details of masts which failed the tests.
- 12.10 The costs of all tests shall be included in the tender price(s).

13.0 DRAWINGS FOR APPROVAL

The successful tenderer shall submit two sets of prints of his final design drawings for approval, before fabrication of the masts is commenced. These drawings shall be prepared in accordance with clause 14.3.

14.0 DOCUMENTATION AND DRAWINGS

- 14.1 The successful tenderer shall supply to Transnet Freight Rail a manual containing the following documents:
- 14.1.1 Type test certificates for each design of mast supplied with the actual test data in respect of each mast type tested.
- 14.1.2 A complete schedule of the results of all routine tests fully referenced to a particular batch of masts supplied.
- 14.2 The manuals shall be bound in loose leaf form and three copies shall be supplied to Engineering Infrastructure. The cost shall be included in the tender price.
- 14.3 The successful tenderer shall also supply Engineering Infrastructure with one set of fully dimensioned drawings of each design of mast supplied.
- 14.3.1 These drawings shall comply fully with the requirements of SANS 10111 and/or CEE 0224. Where necessary these drawings shall be cross-referenced by means of an item number to the manual referred to in clause 14.1.
- 14.3.2 All interrelated drawings shall be clearly and adequately cross-referenced to each other.
- 14.3.3 Engineering Infrastructure shall be approached for drawing numbers before the drawings are forwarded for approval.

14.3.4 The cost of these drawings shall be included in the tender price.

14.4 Documentation shall be supplied within one month of the completion of delivery of the masts.

15.0 COPYRIGHT

The tenderer's attention is drawn to the copyright requirements detailed below:

The Contractor hereby grants to Transnet Freight Rail a non-exclusive licence, in accordance with the provisions of sections 22 of the Copyright Act, 1978, (a) to copy any plan, diagram, drawing, specification, bill of quantities, design calculation or other similar document made, other than under the direction or control of Transnet Freight Rail, by the Contractor in connection with the CONTRACT, (b) to make free and unrestricted use thereof for its own purposes, (c) to provide copies thereof to consultants of Transnet Freight Rail to be used by them for the purposes of the consultancy and (d) to provide other parties with copies thereof for the purpose of tenders invited by it. The Contractor furthermore, if any plan, diagram, drawing, specification, bill of quantities, design calculation or other similar document made, other than under the direction or control of Transnet Freight Rail, by any principal or subcontractor of the Contractor, is used in connection with the CONTRACT, shall cause such principal or subcontractor to grant to Transnet Freight Rail a similar non-exclusive licence for the purpose set out herein. The provisions of this clause shall not apply to documents made, in the case of equipment to be supplied, in connection with the manufacturing process of the equipment supplied itself. No separate or extra payment shall be due by Transnet Freight Rail in respect of any non-exclusive licence granted in terms of this clause.

END

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APPENDIX 1

SCHEDULE OF REQUIREMENTS

(To be completed by client/project manager)

ITEM	DESCRIPTION	QUANTITY / REQUIREMENTS	
		COASTAL	INLAND
1.0	Quantity of masts		
2.0	Length of mast (m)		
3.0	Depth of mast in foundation (m)		
4.0	Maximum rated bending moment of mast required (kNm)		
5.0	Contact wire height above rail (m)		
6.0	Air pollution for mast location		

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TECHNICAL DATA SHEET

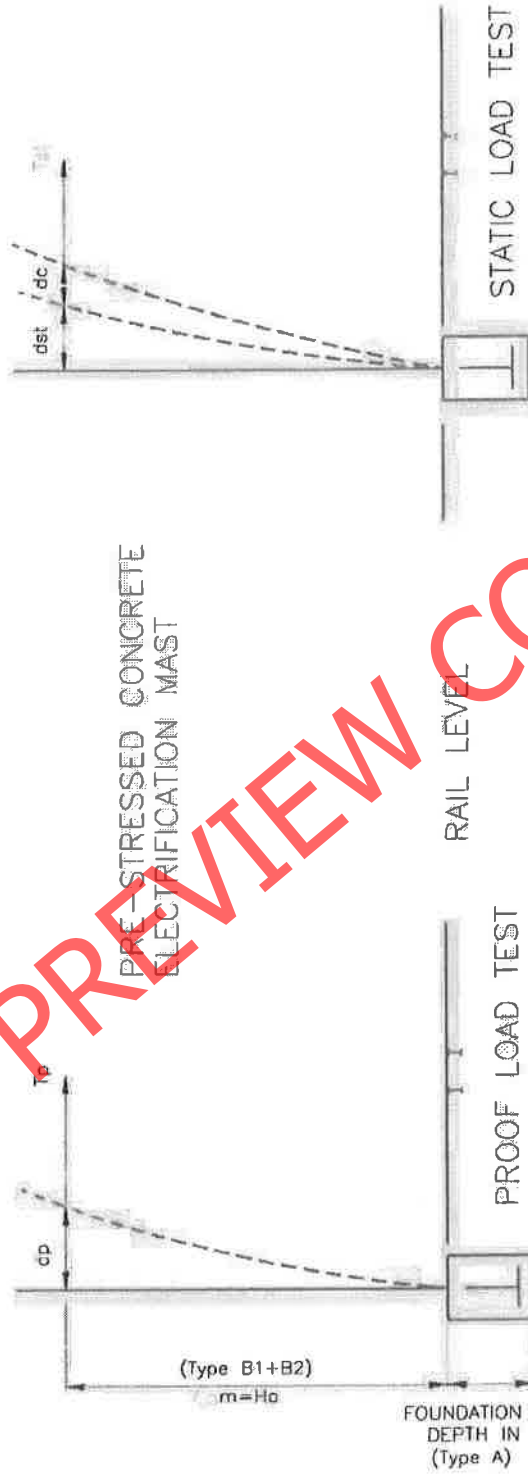
(To be completed by tenderers and submitted as part of their tender)

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
1.0	Length of mast (m)	_____
2.0	Quantity of masts	_____
3.0	Maximum rated bending moment of the mast (kNm)	_____
4.0	Overall mast dimensions	_____
	(a) Formation level (mm)	_____
	(b) Contact wire height and above (mm)	_____
5.0	Types and grades of concrete used	_____
6.0	Minimum 28 day compression strength (MPa)	_____
7.0	Types and sizes of reinforcing used	_____
8.0	Transverse proof load (kN)	_____
9.0	Maximum transverse proof load deflection (mm)	_____
10.0	Transverse static load (kN)	_____
11.0	(a) Maximum deflection at 7.5m above clamping point(mm)	_____
	(b) Maximum creep after 8 hours (mm)	_____
12.0	Minimum failure load (kN)	_____
13.0	Design factor of safety	_____
14.0	Maximum slenderness ratio	_____
	(equivalent length x 2) $\Gamma_{y,y}$	_____

TENDERER'S SIGNATURE

DATE

MAST LOADING DETAIL



MAST TYPE	RATED BENDING MOMENT OF MAST IN kNm	MEAN HEIGHT OF LOAD IN METRES	PROOF LOAD TEST		STATIC LOAD TEST		MAX ADDITIONAL DEFLECTION IN mm DUE TO CREEP
			PROOF LOAD IN kN	MAX DEFLECTION IN mm AT Hp	STATIC LOAD IN kN	STATIC DEFLECTION IN mm AT Hp	
I	30	7.5	T_p 4.00	dp 150	T_{st} 2.67	d_{st} 100	dc 15
II	40	7.5	5.33	150	3.55	100	15
III	50	7.5	6.67	150	4.45	100	15
IV	60	7.5	8.00	150	5.33	100	15
V	70	7.5	9.33	150	6.22	100	15
VI	80	7.5	10.67	150	7.11	100	15
VII	90	7.5	12.00	150	8.00	100	15
VIII	100	7.5	13.33	150	8.89	100	15

FOUNDATION DESIGN REQUIREMENTS**1.0 SCOPE**

This appendix calls for the design of a suitable foundation for each mast type specified in the Schedule of Requirements (Appendix 1) of the accompanying specification.

To optimise, a foundation design is required for each of the following soil bearing pressures:

- a) 60 kPa
- b) 120 kPa
- c) 160 kPa

2.0 GENERAL

2.1 The following shall be borne in mind when designing a suitable foundation:-

2.2 The design shall be suitable for use in the various types of formations detailed above and be capable of withstanding the maximum design and erection loads with the appropriate factor of safety without failure or deflection. These designs shall be supported by fully detailed and completed calculations, (not computer printouts).

2.3 Fully detailed final design drawings of the foundations for the various soil types and loading conditions shall be submitted for approval. Acceptance and approval of the design shall not absolve the Tenderer of any responsibility for the safe design of the foundations.

2.4 The effective depth of the foundation for overturning moment calculation shall commence below the top layer of organic material, loose material etc.

2.5 The dimensions of the core opening taking the back-rake of the mast into account shall be sufficient to allow for a minimum of 25mm of grout to be placed all round the mast.

2.6 The top of the core type foundations shall not be higher than 100mm above ground level.

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Section 4
VENDOR APPLICATION FORM

Respondents are to furnish the following documentation and complete the Vendor Application Form below:

1. **Original** cancelled cheque **OR** letter from the Respondent's bank verifying banking details **[with bank stamp]**
2. **Certified** copy of Identity Document(s) of Shareholders/Directors/Members [where applicable]
3. **Certified** copy of Certificate of Incorporation, CM29 / CM9 [name change]
4. **Certified** copy of Share Certificates [CK1/CK2 if CC]
5. A letter on the company's letterhead confirm physical and postal addresses
6. **Original** valid SARS Tax Clearance Certificate
7. **Certified copy** of VAT Registration Certificate
8. **Certified copy** of valid Company Registration Certificate [if applicable]
9. A signed letter from your auditor or accountant confirming most recent annual turnover figures

Vendor Application Form

Company trading name _____

Company registered name _____

Company Registration Number or ID Number if a Sole Proprietor _____

Form of entity [✓] CC Trust Pty Ltd Limited Partnership Sole Proprietor

VAT number [if registered] _____

Company telephone number _____

Company fax number _____

Company email address _____

Company website address _____

Bank name _____ Branch & Branch code _____

Account holder _____ Bank account number _____

Postal address _____ Code _____

Physical Address _____ Code _____

Contact person _____

Designation

Telephone

Email

Annual turnover range [last financial year] < R5 m R5 - 35 m > R35 m

Does your company provide Products Services Both

Area of delivery National Provincial Local

Is your company a public or private entity Public Private

Does your company have a Tax Directive or IRP30 Certificate Yes No

Main product or services [e.g. Stationery/Consulting]

Complete B-BBEE Ownership Details:

% Black ownership % Black women ownership % Disabled Black ownership

Does your company have a B-BBEE certificate Yes No

What is your B-BBEE status [Level 1 to 9 / Unknown]

How many personnel does the firm employ Permanent Part time

If you are an existing Vendor with Transnet please complete the following:

Transnet contact person

Contact number

Transnet Operating Division

Duly authorised to sign for and on behalf of Company / Organisation:

Name	<input type="text"/>	Designation	<input type="text"/>
Signature	<input type="text"/>	Date	<input type="text"/>