

**REQUEST FOR TENDERS: NATIONAL REHABILITATION OF RAILWAY TRACK WITH AN ONTRACK BALLAST SCREENING PACKAGE MACHINE FOR WESTERN CAPE FOR A DURATION OF FIVE (5) YEARS**

**HO/PT/ENG/(OTM)/215/10/2022**



**FORM-C**

**FORM C: TENDER FORM**

| CURRENT TENDER DETAILS |                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Request number:        | HO/PT/ENG/(OTM)/215/10/2022                                                                                                                                       |
| Request for Tender:    | REQUEST FOR TENDERS: NATIONAL REHABILITATION OF RAILWAY TRACK WITH AN ONTRACK BALLAST SCREENING PACKAGE MACHINE FOR WESTERN CAPE FOR A DURATION OF FIVE (5) YEARS |

I / We \_\_\_\_\_  
(Insert Name of Tendering Entity)

of \_\_\_\_\_

\_\_\_\_\_  
(Full address)  
Conducting business under the style or title of:

Represented by: \_\_\_\_\_

in my capacity as: \_\_\_\_\_

being duly authorised thereto by a Resolution of the Board of Directors / Certificate of Partners, Members or Participants, as the case may be, dated \_\_\_\_\_, a certified copy of which is annexed hereto, hereby offer to undertake and complete the above-mentioned work (hereinafter called "the WORKS") at the prices quoted in the bills of quantities / schedule of quantities or, where these do not form part of the contract, at a lump sum, 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 tender documents for the sum of R \_\_\_\_\_ (amount in words),

(All applicable taxes included)

- N.B.** (i) In the event of any discrepancy, the amount in words will take precedence over the amount in figures.
- (ii) Where items in the priced bills of quantities submitted with the tender for the WORKS other than architectural building work are incorrectly extended arithmetically, the unit rate will be treated as decisive.
- (iii) In tenders for architectural building work the total amount will be treated as decisive. If amounts for individual items cannot be reconciled with the total amount, the amounts

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for individual items shall be adjusted to the satisfaction of the PRASA to conform to the total amount.

I / We accept that unless the PRASA should otherwise decide and so inform me / us in the notice of acceptance, this tender (and, if any, its covering letter and any subsequent exchange of correspondence together with the PRASA acceptance thereof) shall constitute a binding contract between the PRASA and me / us. Should the PRASA decide that a formal contract should be signed and so inform me / us in the notice of acceptance, this tender (and, if any, its covering letter and any subsequent exchange of correspondence) together with the PRASA notice of acceptance, shall constitute a binding contract between the PRASA and me / us until the formal contract is signed.

I / We undertake to produce acceptable documentary proof of the necessary coverage for Workmen's Compensation, Securities and Insurance within **30 (thirty)** working days of notification of awarding of the contract, and to sign a formal contract if called upon by the PRASA to do so within **7 (seven)** working days of notification by the PRASA that the contract documents are ready for signature, failing which I / we accept that the PRASA may, in its sole discretion, withhold any payments due for work done until such time as these formalities have been completed.

I / We undertake to complete the whole of the WORKS within \_\_\_\_\_ (in words) from the date of notification to me / us of acceptance of the tender, subject to completion in stages if and as laid down in the project specification and to such extensions of time as may be granted. Failing completion of the WORKS or any stage of the WORKS within the period(s) stipulated or by such extended date(s) as may be allowed by the PRASA I / we shall pay to the PRASA in terms of the Conventional Penalties Act 15 of 1962, the penalty for which provision is made in the project specification. The ordering of any alterations, extras, additions or omissions shall not in any way prejudice the PRASA claim for such penalty.

Application for relief from the obligation to pay a penalty will be considered by the PRASA, but shall be granted only if I / we can prove to the reasonable satisfaction of the PRASA that the penalty is out of proportion to the prejudice suffered by the PRASA by reason of the act or omission in respect of which the penalty was stipulated.

I / We declare that this tender holds good until \_\_\_\_\_  
**(a minimum period of 90 days from closing date is required).**

I / We further agree that if, after I / we have been notified of the acceptance of my / our tender, I / we fail to enter into a formal contract if called upon to do so, or fail to furnish satisfactory security

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for the due and proper completion of the WORKS, the PRASA 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 tenders afresh and / or having to accept any less favourable tender.

I/ We declare that, being a company / partnership / close corporation / joint venture, I / we have duly completed the annexe hereto and certified it as correct.

The several documents involved are to be taken as complementary to each other. In the event of any conflict between the content of any of the documents listed in the schedule of tender documents (other than the project specification) and the project specification, the latter shall prevail. In the event of any conflict between the letter that accompanies the tender or other relevant correspondence and the contents of the documents listed in the schedule of tender documents (including the project specification) such letter or correspondence shall prevail.

THUS DONE and SIGNED at \_\_\_\_\_

on this \_\_\_\_\_ day of \_\_\_\_\_

DULY AUTHORISED SIGNATORY(IES)

WITNESSES

- |          |          |
|----------|----------|
| 1. _____ | 1. _____ |
| 2. _____ | 2. _____ |
| 3. _____ | 3. _____ |

## **SBD 5: THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME**

**This document must be signed and submitted together with your bid**

### **INTRODUCTION**

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

### **1 PILLARS OF THE PROGRAMME**

1.1 The NIP obligation is benchmarked on the imported content of the contract. Any contract having an imported content equal to or exceeding US\$ 10 million or other currency equivalent to US\$ 10 million will have a NIP obligation. This threshold of US\$ 10 million can be reached as follows:

(a) Any single contract with imported content exceeding US\$10 million.

or

(b) Multiple contracts for the same goods, works or services each with imported content exceeding US\$3 million awarded to one seller over a 2-year period which in total exceeds US\$10 million.

or

(c) A contract with a renewable option clause, where should the option be exercised the total value of the imported content will exceed US\$10 million.

or

(d) Multiple suppliers of the same goods, works or services under the same contract, where the value of the imported content of each allocation is equal to or exceeds US\$ 3 million worth of goods, works or services to the same government institution, which in total over a two (2) year period exceeds US\$10 million.

1.2 The NIP obligation applicable to suppliers in respect of sub-paragraphs 1.1 (a) to 1.1 (c)

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above will amount to 30 % of the imported content whilst suppliers in respect of paragraph 1.1 (d) shall incur 30% of the total NIP obligation on a *pro-rata* basis.

1.3 To satisfy the NIP obligation, the DTI would negotiate and conclude agreements such as investments, joint ventures, sub-contracting, licensee production, export promotion, sourcing arrangements and research and development (R&D) with partners or suppliers.

1.4 A period of seven years has been identified as the time frame within which to discharge the obligation.

## **2 REQUIREMENTS OF THE DEPARTMENT OF TRADE AND INDUSTRY**

2.1 In order to ensure effective implementation of the programme, successful bidders (contractors) are required to, immediately after the award of a contract that is in excess of **R10 million** (ten million Rands), submit details of such a contract to the DTI for reporting purposes.

2.2 The purpose for reporting details of contracts in excess of the amount of R10 million (ten million Rands) is to cater for multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as provided for in paragraphs 1.1.(b) to 1.1. (d) above.

## **3 BID SUBMISSION AND CONTRACT REPORTING REQUIREMENTS OF BIDDERS AND SUCCESSFUL BIDDERS (CONTRACTORS)**

3.1 Bidders are required to sign and submit this Standard Bidding Document (SBD 5) together with the bid on the closing date and time.

3.2 In order to accommodate multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as indicated in sub-paragraphs 1.1 (b) to 1.1

(d) above and to enable the DTI in determining the NIP obligation, successful bidders (contractors) are required, immediately after being officially notified about any successful bid with a value in excess of R10 million (ten million Rands), to contact and furnish the DTI with the following information:

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- Bid / contract number.
- Description of the goods, works or services.
- Date on which the contract was accepted.
- Name, address and contact details of the government institution.
- Value of the contract.
- Imported content of the contract, if possible.

3.3 The information required in paragraph 3.2 above must be sent to the Department of Trade and Industry, Private Bag X 84, Pretoria, 0001 for the attention of Dr Tebogo Makube within five (5) working days after award of the contract. Dr Makube may be contacted on telephone (012) 394 3927, facsimile (012) 394 4927 or e-mail at TMakube@thedti.gov.za for further details about the programme.

#### **4 PROCESS TO SATISFY THE NIP OBLIGATION**

4.1 Once the successful bidder (contractor) has made contact with and furnished the DTI with the information required, the following steps will be followed:

- a. the contractor and the DTI will determine the NIP obligation;
- b. the contractor and the DTI will sign the NIP obligation agreement;
- c. the contractor will submit a performance guarantee to the DTI;
- d. the contractor will submit a business concept for consideration and approval by the DTI;
- e. upon approval of the business concept by the DTI, the contractor will submit detailed business plans outlining the business concepts;
- f. the contractor will implement the business plans; and
- g. the contractor will submit bi-annual progress reports on approved plans to the DTI.

4.2 The NIP obligation agreement is between the DTI and the successful bidder (contractor) and, therefore, does not involve the purchasing institution.

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Bid number ..... Closing date:.....

Name of bidder.....

Postal address .....

.....

Signature..... Name (in print).....

Date.....

**SBD 6.1: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017**

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

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

**1. GENERAL CONDITIONS**

1.1 The following preference point systems are applicable to this bids:

the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 90/10 preference point system will be applicable to this tender

1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contributor.

1.4 The maximum points for this bid are allocated as follows:

|                                                          | POINTS     |
|----------------------------------------------------------|------------|
| PRICE                                                    | 90         |
| B-BBEE STATUS LEVEL OF CONTRIBUTOR                       | 10         |
| <b>Total points for Price and B-BBEE must not exceed</b> | <b>100</b> |

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

preferences, in any manner required by the purchaser.

## **2. DEFINITIONS**

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
  - 1) B-BBEE Status level certificate issued by an authorized body or person;
  - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
  - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

### 3. POINTS AWARDED FOR PRICE

#### 3.1 THE 90/10 PREFERENCE POINT SYSTEMS

A maximum of 90 points is allocated for price on the following basis: 90/10

$$P_s = 90 \left( 1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where:

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

Pt. = Rand value of the tender under consideration;

Pin = Rand value of the lowest acceptable tender.

### 4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

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

| B-BBEE Status Level of Contributor | Number of points (90/10 system) above R50 Million |
|------------------------------------|---------------------------------------------------|
| 1                                  | 10                                                |
| 2                                  | 9                                                 |
| 3                                  | 6                                                 |
| 4                                  | 5                                                 |
| 5                                  | 4                                                 |
| 6                                  | 3                                                 |
| 7                                  | 2                                                 |
| 8                                  | 1                                                 |
| Non-compliant contributor          | 0                                                 |

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**5. BID DECLARATION**

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

**6.B-BBEE STATUS LEVEL CLAIMED IN TERMS OF CONTRIBUTOR OF PARAGRAPHS 1.4 AND 4.1**

6.1 B-BBEE Status Level of Contributor: = .....(maximum of 20 points)

2. (Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

**7. SUB-CONTRACTING**

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

**(Tick applicable box)**

|     |                          |    |                          |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

7.1.1 If yes, indicate:

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

**(Tick applicable box)**

|     |                          |    |                          |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

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

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

**8. DECLARATION WITH REGARD TO COMPANY/FIRM**

8.1 Company Name: .....

8.2 VAT registration number: .....

8.3 Registration number: .....

**8.4 TYPE OF COMPANY/ FIRM**

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

[TICK APPLICABLE BOX]

**8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES**

.....

.....

.....

.....

**8.6 COMPANY CLASSIFICATION**

- ☐ Manufacturer

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

[TICK APPLICABLE BOX]

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

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
  - (a) disqualify the person from the bidding process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury

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from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and

(e) forward the matter for criminal prosecution.

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

DATE: .....

ADDRESS .....

.....

.....

**WITNESSES**

1.

2.

## **SBD 6.2: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS**

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

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

### **1. General Conditions**

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

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

Where

x - is the imported content in Rand

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

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) on the date of advertisement of the bid as indicated in paragraph 3.1 below.

**The SABS approved technical specification number SATS 1286:2011 is accessible on <http://www.thedti.gov.za/industrial development/ip.jsp> at no cost.**

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

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

2.1.1 The details of Local Content process will be as detailed under **14.1** as contained in the RFT document. Bidders who do not complete this form will be automatically disqualified.

2.1.2 Sectors / products (not limited to) listed below are subjected to local content requirements:

| NO | SOME EQUIPMENT AGAINST WHICH THE LOCAL CONTENT MUST BE DISCHARGED                                                          |                                            |
|----|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
|    | DESCRIPTION OF SERVICES, WORKS OR GOODS                                                                                    | Stipulated Minimum Threshold local content |
| 1. | National Treasury Designated Sectors Circular No 3 of 2019-2020-Steel Conveyance Pipes                                     | 80%                                        |
| 2. | National Treasury Designated Sectors Circular No 4 of 2019-2020- Air Insulated MV Switchgear                               | 50%                                        |
| 3. | National Treasury Designated Sectors Circular No 10 of 2019-2020-Electrical Cable Products                                 | 90%                                        |
| 4. | National Treasury Designated Sectors Instruction Number 10 Of 2016-2017 - Rail Signalling System and Associated Components | 65%                                        |
| 5. | National Treasury Designated Sectors Instruction Number 9 Of 2016-2017 - Steel Power Pylons                                | 100%                                       |
| 6. | National Treasury Designated Sectors Instruction Number 12 Of                                                              | 90%                                        |

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| NO   | SOME EQUIPMENT AGAINST WHICH THE LOCAL CONTENT MUST BE DISCHARGED                                                                                                                                              |                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
|      | DESCRIPTION OF SERVICES, WORKS OR GOODS                                                                                                                                                                        | Stipulated Minimum Threshold local content |
|      | 2016 - 2017- Transformers, Shunt Reactors and Associated Equipment                                                                                                                                             |                                            |
| 7.   | National Treasury Designated Sectors Instruction Number 15 of 2016-2017- Steel Products and Components for Construction                                                                                        | 100%                                       |
| 8.   | National Treasury Designated Sectors Circular Number 3 of 2017/2018 –Pumps, Medium Voltage (Mv) Motors and Associated Accessories                                                                              | 80%                                        |
| 9.   | National Treasury Circular No 1 of 2019/2020 - Invitation and evaluation of bids based on a stipulated minimum threshold for local production and content for Plastic Pipes                                    | 100%                                       |
| 10.  | National Treasury Instruction on: Invitation and evaluation of bids based on a stipulated minimum threshold for local production and content for Residential Electricity Meters                                | 80%                                        |
| 11.  | National Treasury Designated Sectors Circular Number 2 of 2017/2018 – Invitation and evaluation of bids based on a stipulated minimum threshold for local production and content for rail permanent way sector | 90%                                        |
| 12   | Designated Sectors Circular No 2 of 2019-2020-Bulk Material Handling Material (Conveyor System Equipment) for local production                                                                                 | 85%                                        |
| 13   | PPPFA designated sector circular no. 01 of 2021/2022 invitation and evaluation of bids based on a stipulated minimum threshold for local production and content for the cement sector                          | 100%                                       |
| 14   | Office Furniture Designated Sector Circular No. 7 of 2019/2020                                                                                                                                                 |                                            |
| 14.1 | Melamine Office desk with drawers                                                                                                                                                                              | 70%                                        |
| 14.2 | Office desk (drawers) with timber top on steel frame                                                                                                                                                           | 90%                                        |

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| NO    | SOME EQUIPMENT AGAINST WHICH THE LOCAL CONTENT MUST BE DISCHARGED |                                            |
|-------|-------------------------------------------------------------------|--------------------------------------------|
|       | DESCRIPTION OF SERVICES, WORKS OR GOODS                           | Stipulated Minimum Threshold local content |
| 14.3  | Office desk (drawers) with Supawood (MDF) top on steel frame      | 90%                                        |
| 14.4  | Melanie/Paper foil office desk with drawers                       | 70%                                        |
| 14.5  | Stacker Upholstered chair – 4 legged without arms                 | 100%                                       |
| 14.6  | Side Upholstered chair – sleigh base with arms                    | 70%                                        |
| 14.7  | High back Upholstered chair with arms on 5-star base              | 65%                                        |
| 14.8  | Steel Stationery Cupboard                                         | 100%                                       |
| 14.9  | Steel drawers filing Cabinet                                      | 100%                                       |
| 14.10 | Wood Stationery Cupboard                                          | 100%                                       |
| 14.11 | Wood drawer(s) filing Cabinet                                     | 100%                                       |

For further guidance with the above requirements, bidders may refer to, National Treasury designated sectors circular number 1 of 2020/2021, National Treasury Designated Sectors Instruction Numbers 5 of 2016/17 and National Treasury Designated Sectors Instruction Numbers 15 of 2016/17.

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

(Tick applicable box)

|     |  |    |  |
|-----|--|----|--|
| YES |  | NO |  |
|-----|--|----|--|

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

The relevant rates of exchange information is accessible on [www.resbank.co.za](http://www.resbank.co.za)

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

| Currency       | Rates of exchange |
|----------------|-------------------|
| US Dollar      |                   |
| Pound Sterling |                   |
| Euro           |                   |
| Yen            |                   |
| Other          |                   |

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

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

**LOCAL CONTENT DECLARATION**  
**(REFER TO ANNEX B OF SATS 1286:2011)**

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

**IN RESPECT OF BID NO. ....**

**ISSUED BY:** (Procurement Authority / Name of Institution):

.....  
NB

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

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

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

---

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- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

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

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

**The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.**

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

**SIGNATURE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

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## Demand and Pricing Schedule

### 1. SCHEDULE OF QUANTITIES

The quantities of Goods delivered shall be according to South African standard weights and measures. The quantities stipulated are in line with the regional demand for rails.

#### National Demand for ballast screening

| Region       | 2023 | 2024 | 2025 | 2026 | 2027 | Total min (km) |
|--------------|------|------|------|------|------|----------------|
| Western Cape | 100  | 100  | 100  | 100  | 65   | 465            |
| Total        | 100  | 100  | 100  | 100  | 65   | 465            |

NOTE: the highlighted demand is an estimate of the number of track kilometres that PRASA wants to screen. However, PRASA may choose to move screening packages as it wishes between the regions.

### 2. BILL OF QUANTITIES (BOQ)

| Item  | Description                                                                                                                                                             | Quantity | Unit           | Rate | Amount |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|------|--------|
| 1     | <b>Establishment</b>                                                                                                                                                    | 1        | each           |      |        |
| 2     | <b>Ballast screening</b>                                                                                                                                                |          |                |      |        |
| 2.1   | Length of <b>Standard equivalent meter</b> of track screened: Screening of ballast is inclusive of Ballast Screening, Tamping, Profiling, Stabilizing and Ballast Spoil |          |                |      |        |
| 2.1.1 | Ballast Screener                                                                                                                                                        | 465      | km             |      |        |
| 2.1.2 | Ballast Tamper                                                                                                                                                          | 465      | km             |      |        |
| 2.1.3 | Ballast Regulator                                                                                                                                                       | 465      | km             |      |        |
| 2.1.4 | Ballast Stabilizer                                                                                                                                                      | 465      | km             |      |        |
| 2.1.5 | Ballast Spoil                                                                                                                                                           | 697 500  | m <sup>3</sup> |      |        |
| 2.2   | Additional <b>Standard equivalent kilo-meter</b> of track screened(Provisional).                                                                                        |          |                |      |        |
| 2.2.1 | Ballast Screener                                                                                                                                                        | 47       | km             |      |        |
| 2.2.2 | Ballast Tamper                                                                                                                                                          | 47       | km             |      |        |
| 2.2.3 | Ballast Regulator                                                                                                                                                       | 47       | km             |      |        |
| 2.2.4 | Ballast Stabilizer                                                                                                                                                      | 47       | km             |      |        |
| 2.2.5 | Ballast Spoil                                                                                                                                                           | 70 500   | m <sup>3</sup> |      |        |
| 3     | <b>Provisional Ad-hoc day rate for machine usage</b>                                                                                                                    |          |                |      |        |
| 3.1   | Ballast Tamper                                                                                                                                                          | 85       | Days           |      |        |
| 3.2   | Ballast Regulator                                                                                                                                                       | 85       | Days           |      |        |

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|            |                                                                                                                               |             |         |  |           |
|------------|-------------------------------------------------------------------------------------------------------------------------------|-------------|---------|--|-----------|
| 3.3        | Ballast Stabilizer                                                                                                            | 85          | Days    |  |           |
| 3.4        | TLB                                                                                                                           | 85          | Days    |  |           |
| <b>3.5</b> | <b>Provisional enhancement for overtime</b>                                                                                   |             |         |  |           |
| 3.5.1      | Weekdays, including Saturdays (overtime)                                                                                      | Provisional | %       |  | Rate only |
| 3.5.2      | Sundays and Public holidays (Overtime)                                                                                        | Provisional | %       |  | Rate only |
| <b>4</b>   | <b>Provisional standing time associated with fixed cost items (item 2.1)</b>                                                  |             |         |  |           |
| <b>4.1</b> | <b>Portion of standing time associated with fixed cost items (item 2.1)</b>                                                   | Provisional | %       |  | Rate only |
| <b>5</b>   | <b>Provisional supply of lighting at work site during night work</b>                                                          |             |         |  |           |
| <b>5.1</b> | <b>Light Supply</b>                                                                                                           | 100         | Days    |  | Rate only |
| <b>6</b>   | <b>Overtime</b>                                                                                                               |             |         |  |           |
| <b>6.1</b> | <b>Overtime hours outside Tom of 8 hours per day &amp; Saturdays when in excess of 5/7 or 10/14 are worked consecutively.</b> |             |         |  |           |
| 6.1.1      | Ballast Screener                                                                                                              | 1175        | Hours   |  |           |
| 6.1.2      | Ballast Tamper                                                                                                                | 1175        | Hours   |  |           |
| 6.1.3      | Ballast Regulator                                                                                                             | 1175        | Hours   |  |           |
| 6.1.4      | Ballast Stabilizer                                                                                                            | 1175        | Hours   |  |           |
| 6.1.5      | Spoil removal system                                                                                                          | 1175        | Hours   |  |           |
| <b>6.2</b> | <b>Payment for Sundays and PPH when in excess of 5/7 or 10/14 are worked consecutively</b>                                    |             |         |  |           |
| 6.2.1      | Ballast Screener                                                                                                              | 900         | Hours   |  |           |
| 6.2.2      | Ballast Tamper                                                                                                                | 900         | Hours   |  |           |
| 6.2.3      | Ballast Regulator                                                                                                             | 900         | Hours   |  |           |
| 6.2.4      | Ballast Stabilizer                                                                                                            | 900         | Hours   |  |           |
| 6.2.5      | Spoil removal system                                                                                                          | 900         | Hours   |  |           |
| <b>7</b>   | <b>Shift allowance</b>                                                                                                        |             |         |  |           |
| <b>7.1</b> | <b>Payment for Saturday shifts when working 10/14 days</b>                                                                    |             |         |  |           |
| 7.1.1      | Ballast Screener                                                                                                              | 900         | Hours   |  |           |
| 7.1.2      | Ballast Tamper                                                                                                                | 900         | Hours   |  |           |
| 7.1.3      | Ballast Regulator                                                                                                             | 900         | Hours   |  |           |
| 7.1.4      | Ballast Stabilizer                                                                                                            | 900         | Hours   |  |           |
| 7.1.5      | Spoil removal system                                                                                                          | 900         | Hours   |  |           |
| <b>7.2</b> | <b>Payment for Sunday and PPH shifts when working 10/14 days</b>                                                              |             |         |  |           |
| 7.2.1      | Ballast Screener                                                                                                              | 900         | Hours   |  |           |
| 7.2.2      | Ballast Tamper                                                                                                                | 900         | Hours   |  |           |
| 7.2.3      | Ballast Regulator                                                                                                             | 900         | Hours   |  |           |
| 7.2.4      | Ballast Stabilizer                                                                                                            | 900         | Hours   |  |           |
| 7.2.5      | Spoil removal system                                                                                                          | 900         | Hours   |  |           |
| <b>7.3</b> | <b>Payment for night shifts</b>                                                                                               |             |         |  |           |
| 7.3.1      | Ballast Screener                                                                                                              | 200         | Hours   |  |           |
| 7.3.2      | Ballast Tamper                                                                                                                | 200         | Hours   |  |           |
| 7.3.3      | Ballast Regulator                                                                                                             | 200         | Hours   |  |           |
| 7.3.4      | Ballast Stabilizer                                                                                                            | 200         | Hours   |  |           |
| 7.3.5      | Spoil removal system                                                                                                          | 200         | Hours   |  |           |
| <b>8</b>   | <b>Day labour (Provisional)</b>                                                                                               |             |         |  |           |
| <b>8.1</b> | <b>Skilled labour e.g. Track master, Artisan, etc (Standard 9hour work day)</b>                                               | 1175        | Man day |  |           |
| 8.1.1      | Weekdays including Saturdays (Overtime per hr)                                                                                | 1013        | Hours   |  |           |

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|             |                                                                |       |                 |  |  |
|-------------|----------------------------------------------------------------|-------|-----------------|--|--|
| 8.1.2       | Sundays and PPH (Overtime per hr)                              | 1013  | Hours           |  |  |
| <b>8.2</b>  | <b>Semi skilled e.g. Operator, etc.</b>                        | 1175  | Man day         |  |  |
| 8.2.1       | Weekdays including Saturdays (Overtime per hr)                 | 1013  | Hours           |  |  |
| 8.2.2       | Sundays and PPH (Overtime per hr)                              | 1013  | Hours           |  |  |
| <b>8.3</b>  | <b>Labourer e.g. Track worker, etc. (Team of 12 labourers)</b> | 1175  | <b>Team Day</b> |  |  |
| 8.3.1       | Weekdays including Saturdays (Overtime per hr)                 | 1013  | Team Hours      |  |  |
| 8.3.2       | Sundays and PPH (Overtime per hr)                              | 1013  | Team Hours      |  |  |
| <b>8.4</b>  | <b>Vehicle to transport additional labour</b>                  | 1175  | Days            |  |  |
| <b>9</b>    | <b>Security</b>                                                |       |                 |  |  |
| 9.1         | 24 hour security (in line with PSIRA Rates)                    | 60    | Monthly         |  |  |
| <b>10</b>   | <b>Moving of camp</b>                                          |       |                 |  |  |
| 10.1        | Between worksites in excess of 35km                            | 10400 | Km              |  |  |
| 10.2        | Day rate for moving of machines and personnel between regions  | 52    | day             |  |  |
|             | <b>Sub total</b>                                               |       |                 |  |  |
|             | Provision for Escalation over contract period.                 | 15%   | %               |  |  |
| <b>10.3</b> | <b>Provisional rate for moving of machines between regions</b> |       |                 |  |  |
| 10.3.4      | Haulage cost between regions (Gauteng to Western Cape)         | 2     | Round Trip      |  |  |
|             | <b>GRAND TOTAL (VAT Excl)</b>                                  |       |                 |  |  |
|             | <b>GRAND TOTAL (VAT Incl.)</b>                                 |       |                 |  |  |

\*Note: Item 2.1.1 assumes a ballast profile of 1500m<sup>3</sup> per km (ballast depth of 280mm). In the event that the ballast depth is greater the 280mm the revised rate will be adjusted accordingly

### 3. RATE ONLY ITEMS

The technical specification outlines items that PRASA is required to provide. In an even that PRASA cannot provided those items, the bidder is required to provide a rate only for those items. These items will not be part of the contract or form part of the evaluation, however, in highly exceptional cases will PRASA use the rates to procure these items:

| <b>Item</b> | <b>Description</b>            | <b>Quantity</b> | <b>Unit</b> | <b>Rate</b> |
|-------------|-------------------------------|-----------------|-------------|-------------|
| <b>1</b>    | <b>Ballast Stones</b>         | 1               | m3          | R           |
| <b>2</b>    | <b>Ballast transportation</b> | 1               | M3/km       | R           |
| <b>3</b>    | <b>diesel locomotive</b>      | 1               | >class 36   | R           |
| <b>4</b>    | <b>Administration fee</b>     | 1               |             | R           |

### 4. FOREIGN EXCHANGE FLUCTUATIONS

- 4.1. The contract price payable to the Contractor will be adjusted for increases and decreases in costs of imported materials, machines and spare parts, due to fluctuations

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in foreign currency exchange rates after the conclusion of the Contract and for the duration thereof. Tenderers shall, by furnishing the particulars in the appendix to the Schedule of Quantities and/or Prices, indicate whether or not their tenders or part(s) thereof are subject to variation on account of exchange rate fluctuations.

- 4.2. Where no particulars are furnished, such tenders will be deemed to be not subject to variation on account of exchange rate fluctuations.
- 4.3. The contract price adjustments will be made in the monthly payment certificates in respect of the progress payments for that month and are to be based on PRASA's Bank "TT sell" rate at the close of business on the last banker's day of the month for which measurement is being made.
- 4.4. The percentages quoted in the appendix shall indicate the proportion of the scheduled rate or price that are subject to exchange rate fluctuations and the adjustments on account of exchange rate fluctuations shall only be made in respect of those proportions of the tendered rates and/or prices. The percentages quoted shall not be subject to variation on account of the actual quantities measured being more or less than the estimated quantities stated in the tender schedule of quantities and/or prices.
- 4.5. The rate of exchange to be used by Tenderers in the computation of their tender rates and/or prices and which is to be quoted in the appendix are the rate of exchange on the day 7 days prior to the date on which tenders close.
- 4.6. The adjustments of the tendered rates and prices will be made in respect of percentages quoted to be affected by fluctuations in the rate of exchange of the stated currency, between the rate stated in the appendix and the ruling rate determined in accordance with clause 4.2 hereof.
- 4.7. The contract price adjustments stipulated in clause 4 hereof shall not apply to the portions of the contract payments that are subject to adjustments for exchange rate fluctuations in terms hereof and the following formula shall apply instead.

The foreign exchange rate adjustment formula shall read:

$$(1 - x) \left[ \frac{C_t}{C_o} - 1 \right]$$

Where x = the percentage not applicable to foreign exchange

Co shall be the rate as prescribed in clause 3.4 hereof.

Ct shall be the rate as prescribed in clause 3.2 hereof.

The indices to be used will be those that the Contractor proposed in his tender. These indices shall be from an official series, published by the generally accepted institution of the country to which the foreign currency is to be remitted. The tender shall furthermore show the trend of the indices over a period of at least two years.

- 4.8. The Contractor shall, when requested by the Technical Officer, furnish documentary proof of remittance to another country of the contract payments made in terms of this clause.

## **5. PRICE ESCALATION**

- 5.1. A contract price adjustment factor to be determined in accordance with the formula described in 4.2 will be applied to allow for all increases or decreases in costs, from any cause whatsoever, which may occur after the closing date of the submission of tenders and before the date of completion. The factor shall be rounded off to six decimal places.
- 5.2. The contract price adjustment factor shall be -

$$(1 - x) \left( 0.35 \frac{Lt}{Lo} + 0.40 \frac{Pt}{Po} + 0.13 \frac{Mt}{Mo} + 0.12 \frac{Dt}{Do} - 1 \right)$$

where x = 0,15 and

*Lo*, *Po*, *Mo* and *Do* are respectively labour, machinery, material and diesel fuel indices ruling for the calendar month two (2) months prior to closing date of the tender;

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Lt, Pt, Mt, and Dt are respectively labour, machinery, material and diesel fuel indices ruling for the calendar month two (2) months prior to the date of measurement.

5.3. The indices to be used shall be those for the Consumer Price Index and Production Price Index as obtained from the monthly Statistical News Release published by STATS South Africa.

- *Lo* and *Lt* shall be the labour indices for "Total Country" (P0141 Table A).
- *Po* and *Pt* shall be the average of the price indices of "Metals, machinery equipment" multiplied by an equalizing factor of 1.00866 and "Transport Equipment" in the ratio of 1:1 (P0142.1 Table 1 all).
- *Mo* and *Mt* shall be the price indices of materials used in "Mechanical Engineering" (CMPI P0151.1 Table 5).
- *Do* and *Dt* shall be the price indices of "Diesel coke, petroleum, chemical Total" (CMPI P0151 Table 1).

5.4. When the value of an index at the time of calculation is not known the latest available index shall be used and any correction necessary shall be made by addition or subtraction in subsequent monthly payment certificates.

5.5. The amounts to be added to or subtracted from the monthly payment certificates shall be calculated by multiplying the amount certified for payment for that month (but excluding amounts not subject to price adjustment) by the contract price adjustment factor for that month.

5.6. Adjustment to measurements of previous months' quantities will be included in calculation of the amount certified for payment and will therefore be subject to the price adjustment factor of the current measurement month.

5.7. Any additions to or deductions from the amount payable, brought about by the application of the contract price adjustment factor, shall be deemed to have made full allowance for all increases or decreases in cost from any cause whatsoever, including all overhead costs as well as any increases and decreases therein, and profit.

5.8. Value added tax shall be excluded from individual payment item rates and price adjustment indices as it will be added to the total of the month's measurement, after price adjustment have been made in terms hereof.

## **6. PRICING INSTRUCTIONS**

### **6.1. MEASUREMENT**

Payment will be made in accordance with the rates tendered in the schedule of prices.

The following information shall be recorded continually for the screener package:

- a) For each machine individually: Screener, tampers and regulator etc: Tw, To, Tb, Tx and Ts, Tt and Tm for each day and totals for the month.
- b) For calculation of Availability of the screeners, tampers and other machines:  $A = (To - Tb)/To$
- c) Actual meter screened in each and every category separately with the accepted conversion factor to transfer payment to standard equivalent km screened.
- d) Only work that was required and accepted will be included for payment

### **6.2. PAYMENT**

#### **6.2.1. ITEM 1: Establishment**

An establishment payment will be made after the machinery first achieved a minimum output of 75% of capacity tendered, over a period of one month.

#### **6.2.2. ITEM 2.1: Ballast screening**

Payment of screening is based on a standard equivalent distance of ballast screened. The payment of a standard meter screened shall be in terms of the following conditions and definition:

**6.2.2.1. Standard meter screened payment:**

6.2.2.1.1. Payment will only be made for a Standard equivalent meter screened.

Extra over additional payment shall only be made for items specifically specified separately for such payment. (For machines, such items shall be the operating cost only of Spoil removal).

6.2.2.1.2. Standard equivalent meter screened = Basic standard distance of ballast screening, inclusive of all work required for a screening activity.

Screening activity shall include: Ballast Screening, ballast profiling, ballast tamping, ballast offloading from AY-type rail wagons where addition of ballast is required as well as all related work to finalise screened track and open up track to the required standard to reinstate a safe train service.

Also to be included, where required the full time provision and availability of a spoil removal system of the type and capacity required and accepted as part of the screener package.

This item shall also include the provision and full time operation of a front end loader or TLB as well as the standard labour gang to assist with the screening activity, to open up clogged drains and level and finalise spoil.

6.2.2.1.3. A standard equivalent meter screened (Basic standard distance) = 1 meter screened in relatively dry or normally screen-able ballast where a screener in good working condition can produce at the rate of  $m^3$  per hour as tendered: (For a screener which can screen at  $300m^3/h$ , this should be above  $\pm 200m$  / hour of Tw, therefore everything below  $1500m^3/km$  is standard – increments of volume adjustment above this shall be per actual  $m^3/km$  measured.)

6.2.2.1.4. Standard equivalent meter shall be paid for as one of the following categories:

- a) Standard equivalent meter screened = standard as per definition in clauses 5.2.2.1.1 & 2 above.

- b) Standard equivalent meter adjusted for volume = Standard meter x volume adjustment factor. Volume adjustment factor = Actual volume per meter / Standard volume per meter as per clause 5.2.2.1.3.
- c) Standard equivalent meter adjusted for following conditions = R nominal tendered production x Tw cutterbar / (Actual ballast volume per m) x Factor for volume adjustment.
- d) **Total Rejection:** Screening with total rejection where the rate of screening and or the rate of spoil do not allow production of screening at a standard production rate as per clause C).
- e) **Wet conditions:** Screening in wet conditions where the rate of screening and or the rate of spoil require a substantial reduction of production of screening rate. A substantial drop of production shall be a drop in excess of 30% of tendered rate. Screening of wet ballast with no or very little clay or hard ballast does not constitute restricted screening or screening in wet conditions. Classification of track being screened in wet conditions must be agreed on between the contractor and the Technical Officer's deputy within these requirements.
- f) **Restricted screening:** Specific restricted screening under other restricted conditions such screening next to platforms and screening over bridges or culverts where screening rate is restricted  
  
This condition may vary from slightly wet with little clay up to a condition where total rejection is required. The goal shall always be to screen at a rate where the desired quality of the returned ballast is acceptable.  
  
If screening of track on a bridge or culvert or level crossing is done by labour gang because of restrictions not allowing the screening there of by screener, payment will be done under day labour.
- g) **Turnout screening:** Tenderers are to provide specific offers of how screening of turnouts, when required, shall be undertaken as specific project screening work as part of this contract and how to adjust such screening to an equivalent length factor for payment
  - i) If turnout screening is to be screened by a labour, payment will be done under day labour. If however a turnout tamper is not available on the screener package, such a machine may be brought in from any other contract and payment thereof will be made under that contract.

- ii) Where a turnout is screened by hand labour gang, the turnout shall under all circumstances be aligned and hand tamped to the B track standard before opening up the turnout for traffic. This hand tamping will be required to be done by mechanised hand tampers such as “Ponjars”. Payment for this hand tamping will be part of the day labour rates for the labour gang.

**6.2.2.2. Item 2.2: Payment of additional meter screened. (Provisional)**

Provision is made under this item for additional work. The additional work will be paid for every additional standard equivalent meter screened in excess of the guaranteed standard equivalent meters in Item 2.1. This additional quantity will be reconciled annually.

**6.2.2.3. Item 2.3: Extra over payment for variable cost of operation of spoil removal**

6.2.2.3.1. It is a specific requirement that a high rate of spoil removal be offered. Tenderers shall qualify what type of spoil removal is offered.

6.2.2.3.2. Payment under this item will be made for operation of the spoil removal system per cubic meter of spoil removed of the spoil wagon systems separately offered. Payment shall allow for loading, working and offloading of wagons excluding any TLB required. Any cost of the front end loader or TLB required for offloading such offloading of any wagon and also distribution of spoil shall be part of the screener package rates for screening. (Item 2.1).

6.2.2.3.3. The quantity of spoil calculated for the payment of this item shall be the tendered and agreed upon volume of the spoil wagon times the number of wagon loads spoiled. This implies that spoil wagons must be loaded to capacity.

6.2.2.3.4. The cost for having the spoil wagon system available shall be part of the payment of item 2.1.

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- 6.2.2.3.5. No additional payment for the offloading of spoil from Spoil wagons will be made. The Front End Loader or TLB and direct support labour provided to support screening, provided as part of the screener package, shall be used for this activity.
- 6.2.2.3.6. No additional payment will also be made for offloading of spoil from DZ wagons used for spoil removal. The same conditions as per the clause 5.2.2.3.5 above will apply.
- 6.2.2.3.7. Where however additional earthmoving equipment such as an additional loader or tippers are required for spoil removal as decided on by the Technical Officer, this additional equipment may either be hired separately by the Technical Officer or be hired and paid for under item 10.

**6.2.2.4. Machine breakdowns:**

- a) If the screener breaks down, the breakdown period will be recorded and the proportional period of breakdown as compared to the total actual screening work time (Tw screening) will be considered as part of the allowance by PRASA to the contractor of time allowed to execute the planned meters of equivalent workload as per item 2.1 of the schedule of quantities.
- b) If any other function such as a Ballast Tamper breaks down, then all machines will be regarded as non-available and the same adjustment of work time as referred to above shall apply. If any of these other functions break down, not holding up the total screening operation, Tb will be separately recorded for all the separate maintenance functions of which productivity is separately affected.
- c) Where spoil wagons was planned to be available for a work day and is not available and the Technical Officer cannot effectively utilise the screener for that day, the whole screener package will be on breakdown.

6.2.2.5. The planned number of workdays (To) per annum is 235. 30 days will be allowed for travelling or moving of the machines between staging areas or regions. The total of work and travel days shall exclude days on which a machine was not required to be available - e.g. weekends, weekdays not arranged as a workday due to occupations or non-availability of traction or ballast or holidays.

6.2.2.6. Where a turnout is screened by hand labour gang, the turnout shall under all circumstances be aligned and hand tamped to the Sf track standard before opening up the turnout for traffic. This hand tamping will be required to be done by mechanised hand tampers such as "Ponjars". Payment for this hand tamping will be part of the day labour rates for the labour gang.

**6.2.3. ITEM 3: Extra over day rate when using machines outside contract (Plant hire) (Provisional)**

Payment shall be made under this item per 8 hour day for using the Ballast tamping machine, Ballast Regulating machine or TLB when required to use in the off period (e.g. when working 5 out of 7 or 10 out of 14 days). The rate shall include all personnel required to operate the machines. Payment shall make provision for moving of the machine from and back to the main staging location of the screener package. Payment shall include all labour cost and personnel allowances.

**6.2.4. ITEM 4: Standing time and or Idle Time**

- a) Payment will be made under this item for the fixed costs incurred by the Tenderer when the screening package is rendered not to work as result of circumstances not controlled by the Technical officer, e.g. cancelling of occupation, heavy rains, PRASA personnel unrest, etc.
- b) Tenderers shall specify the proportional % or portion of the cost of the item 2.1 which is the fixed portion of costs.
- c) The number of standard equivalent meters used in this item shall be deducted from the guaranteed standard equivalent meters for item 2.1. The planning is to allow sufficient work time for the contractor to execute the planned work load. This factor may be required to resolve any claims should it not be possible to make up lost part production due to insufficient time allowed for production.
- d) Productivity and availability will be continuously calculated and recorded for each month and be used to calculate the loss of production due to the contractor as well as PRASA.
- e) When the planned equivalent meter screened for a year is achieved it will be considered that sufficient time was allowed for screening.

**6.2.5. ITEM 5: Supply of lighting**

When night working is required and lighting is required over and above that provided on the machines, the supply and operation of adequate lighting will be paid per day used under this Item.

**6.2.6. ITEM 6: OVERTIME PAYMENT**

All Overtime, Sunday time and PPH-time will apply for all machines and labour used for the entire package. The Technical Officer however may decide to utilise the screener and tamper for different times of occupation, whereby time calculated may be different for parts of the package. This may occur whereby a screener is required to return to staging and a tamper is required to remain in section to finalise tamping later during the occupation or later between trains.

**Item 6.1: Overtime hours outside Tom**

- a) Overtime payments will be made for occupation time during week days (Monday to Friday) in excess of the hours of maximum occupation time (TOM) of 8 (eight) hours per day.
- b) Overtime payment will also be made for work performed on a Saturday when in excess of 5 consecutive days out of every 7 days or in excess of 10 consecutive days out of every 14 days.
- c) Overtime payment will also be made for work performed on a Saturday shift day when work is performed in excess of 8 hours for the day.
- d) Only To occupation time allocated will be considered for the calculation of overtime. This implies excluding preparation time outside of To time.
- e) No extra overtime will be paid for TLB or spoil wagon gang. The TLB operators overtime shall either be included for in the screeners overtime rates or the rates allowed for the day for the spoil wagon usage.

**Item 6.2: Sunday and PPH time**

- a) Sunday time payment will be made for work performed on a Sunday or Paid Public Holiday when in excess of 5 consecutive days out of every 7 days or in excess of 10 consecutive days out of every 14 days.
- b) Sunday time payment will also be made for work performed on a Sunday shift day when work is performed in excess of 8 hours for the day.
- c) Only To occupation time allocated will be considered for the calculation of overtime. This implies excluding preparation time outside of To time.
- d) No extra Sunday or PPH time will be paid for TLB or spoil wagon gang. There Sunday time or PPH shall either be included for in the screeners overtime or the rates allowed for the day for the spoil wagon usage

**6.2.7. ITEM 7: SHIFT ALLOWANCE**

**Item 7.1: Saturday shifts**

A shift allowance payment will be made for work performed on a Saturday when working five days out of every seven days or ten days out of every fourteen days.

**Item 7.2: Sunday and PPH shifts**

A shift allowance payment will be made for work performed on a Sunday or Paid Public Holiday when working five days out of every seven days or ten days out of every fourteen days.

**Item 7.3: Night shifts**

A night shift allowance payment will be made when a 9-hour occupation or part thereof falls between 18h00 and 06h00, and will be paid in addition to any other shift or overtime payments.

**6.2.8. ITEM 8 (Day labour payment)**

6.2.8.1. Technological development, required by PRASA, necessitating modifications to the machines. This may seldom be required. If however required, Payment for such modifications may be made under this item. If required, an assessment of the time and cost of such modifications shall be submitted to the Technical Officer as soon as possible. Modifications in the field shall only be done on instruction by the Technical Officer, for which the following shall apply:

- for labour, the rates in item 8 of the schedule of prices.
- a mark-up will be allowed on landed prices of imported parts or the delivered prices of locally manufactured parts. The % mark up required shall qualified by Tenderers. Where actual price and mark up is paid, no additional price adjustment described elsewhere in this contract shall apply.

6.2.8.2. Day labour for work performed:

- a) The rates for labour in the "Labour Payment Schedule" will be incorporated as item 8 in the Schedule of Quantities and Prices and will apply in respect of additional labour approved by the Technical Officer. This item allows for the payment of day approved labour for tasks not forming part of the standard labour provided as part of each screener package.
- b) The day labour rate shall include all required protective or uniform clothing, hand tools and accommodation required for the labour
- c) Transport of day labour shall either be provided for by the transport provided for in the screener package as part of the standard labour and transport provided for or as additional transport paid for under the day labour rates provided for in the schedule of quantities and prices.
- d) Any additional transport shall be agreed on between the Technical Officer and the contractor.
- e) Overtime and Sunday time for additional day labour shall be paid for under item 8 respectively.

- f) No shift time payment for additional labour shall apply even though day labour will be required to work the same shifts as that of the machines and standard labour.

**6.2.9. ITEM 9: Movement of screener package.**

- 6.2.9.1. Item 9.1 Payment shall be made under this item for moving of the machines and camp from one site to another or between regions. Payment to the contractor shall include all machine costs whether it moves under own power, or hauled by a locomotive, transport of personnel and their accommodation except TFR cost is described in item 9.3 Overtime (item 6) and shift (item 7) allowance shall be paid for such movements where necessary.
- 6.2.9.2. Item 9.2 Extra over payment shall be made under this item per day of moving of the machines and camp between regions whether in normal working hours, after hours or weekends.
- 6.2.9.3. Item 9.3 Extra over payment shall be made under this item for TFR costs for moving of the machines between worksites or regions. All costs payable to Transnet for such moves shall be borne by the contractor. The machines will be required to work at all four Metrorail regions where ballast screening will be required. Payment to the contractor shall be on a cost plus handling fee basis and not be further subjected to Contract Price Adjustment Factor.
- 6.2.9.4. Since movement between regions is not done on PRASA network. PRASA will pay the contractor for haulage between regions as per pricing schedule.

**7. SCHEDULE OF MACHINES**

This tender requires the following machines: Screener, Tampers, Regulator Stabiliser, High volume spoil removal system and TLB

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**7.1. BALLAST SCREENER (Minimum production rate of 300m<sup>3</sup>/h)**

7.1.1. MAKE:\_\_\_\_\_

7.1.2. MODEL (YEAR):\_\_\_\_\_

7.1.3. NOMINAL PRODUCTION RATE (m<sup>3</sup>/h):\_\_\_\_\_

7.1.4. ADJUSTABLE CUTTERBAR WIDTH

7.1.4.1. MAX (m) :\_\_\_\_\_

7.1.4.2. MIN (m) :\_\_\_\_\_

7.1.5. AUTOMATIC CONTROLLABLE CUTDEPTH

7.1.5.1. MAX (mm) :\_\_\_\_\_

7.1.5.2. MIN (mm) :\_\_\_\_\_

7.1.6. Cutterbar size: (Thickness (mm))

7.1.6.1. Standard \_\_\_\_\_

7.1.6.2. Restricted / Tunnel: \_\_\_\_\_

7.1.7. Minimum ballast depth machine can cut without pr-lifting (mm) \_\_\_\_\_

7.1.8. Pre-lifting: Describe with what & how) \_\_\_\_\_

| DESCRIPTION                                                                                                                                                                                        | UNIT               | SCREENING RATE | COUPLE TIME (Tc) | UN-COUPLE TIME (Tuc) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|------------------|----------------------|
| SCREENING OPEN TRACK, SINGLE LINE                                                                                                                                                                  |                    | See 1.3        |                  |                      |
| SCREENING RESTRICTED TRACK, SINGLE LINE. This includes working in turnouts. working around obstructions (i.e. on bridges in tunnels, next to platforms), and/or lowering track greater than 150mm. | m <sup>3</sup> /hr | Rr =           |                  |                      |
| SCREENING DOUBLE TRACK. This includes working in turnouts. working around obstructions, and/or lowering track greater than 150mm.                                                                  | m <sup>3</sup> /hr | Rd =           |                  |                      |
|                                                                                                                                                                                                    |                    |                |                  |                      |
|                                                                                                                                                                                                    |                    |                |                  |                      |

7.1.9. FITTED WITH RAILWAY BUFFERS BOTH ENDS, IF NOT CLARIFY:

7.1.10. NOMINAL TRAVELLING SPEED (km/h)

: 1:60 gradient (minimum = 45km/h)\_\_\_\_\_

: Zero gradient (minimum = 60km/h):\_\_\_\_\_

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: When travelling as part of and coupled to a train: \_\_\_\_\_

(Minimum = 60km/h)

**7.2. TAMPER(S) (Minimum production rate of 20 sleepers/min)**

7.2.1. MAKE: \_\_\_\_\_

7.2.2. MODEL (YEAR): \_\_\_\_\_

7.2.3. NOMINAL PRODUCTION RATE (sleepers/min): \_\_\_\_\_

7.2.4. MAXIMUM LIFT (mm): \_\_\_\_\_

7.2.5. NOMINAL TRAVELLING SPEED (km/h)

: 1:60 gradient (minimum = 45km/h): \_\_\_\_\_

: Zero gradient (minimum = 60km/h): \_\_\_\_\_

: When travelling as part of and coupled to a train: \_\_\_\_\_

(minimum = 60km/h)

7.2.6. FITTED WITH RAILWAY BUFFERS BOTH ENDS, IF NOT CLARIFY: \_\_\_\_\_

7.2.7. Travel: If cannot travel as part of train, Qualify how machine will move from one work area to next and what limitations shall apply:

7.2.8. TAMPING FREQUENCY: Hz \_\_\_\_\_

**7.3. REGULATOR (Minimum production rate of 1200m/h)**

7.3.1. MAKE: \_\_\_\_\_

7.3.2. MODEL (YEAR) \_\_\_\_\_

7.3.3. NOMINAL PROFILING RATES: Shoulders only (m/Tw hr): \_\_\_\_\_

7.3.4. NOMINAL PROFILING RATES: Shoulders to centre (m/Tw hr): \_\_\_\_\_

7.3.5. NOMINAL PROFILING RATES: Shoulders to shoulder (m/Tw hr): \_\_\_\_\_

7.3.6. FITTED WITH RAILWAY BUFFERS BOTH ENDS, IF NOT CLARIFY: \_\_\_\_\_

7.3.7. NOMINAL TRAVELLING SPEED (km/h)

: 1:60 gradient (minimum = 45km/h): \_\_\_\_\_

: Zero gradient (minimum = 60km/h): \_\_\_\_\_

: When travelling as part of and coupled to a train: \_\_\_\_\_

(minimum = 60km/h)

7.3.8. TRAVEL: If cannot travel as part of train, Qualify how machine will move from one work area to next and what limitations shall apply

\_\_\_\_\_

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**7.4. STABILISER (Minimum production rate of 1200m/h)**

7.4.1. MAKE: \_\_\_\_\_

7.4.2. MODEL (YEAR): \_\_\_\_\_

7.4.3. NOMINAL STABILIZING RATE (m/h): \_\_\_\_\_

7.4.4. FITTED WITH RAILWAY BUFFERS BOTH ENDS, IF NOT CLARIFY: \_\_\_\_\_

7.4.5. NOMINAL TRAVELLING SPEED (km/h)

: 1:60 gradient (minimum = 45km/h): \_\_\_\_\_

: Zero gradient (minimum = 60km/h): \_\_\_\_\_

: When travelling as part of and coupled to a train: \_\_\_\_\_  
(minimum = 60km/h)

**7.4.6. TRAVEL:** If cannot travel as part of train, Qualify how machine will move from one work area to next and what limitations shall apply  
\_\_\_\_\_

**7.5. 3x SPOIL WAGON for capacity < than 30m<sup>3</sup> each or 2x SPOIL WAGONS for capacity > 30m<sup>3</sup> SYSTEM for High Volumes, 1x Runner wagon (for connecting to the locomotive) & Spoil levelling machine / Loader / TLB (Spoil wagons required full time with minimum capacity of not less than 30m<sup>3</sup>)**

**7.5.1. Spoil removal Wagon system:**

7.5.1.1. MAKE: \_\_\_\_\_

7.5.1.2. MODEL (YEAR): \_\_\_\_\_

7.5.1.3. NUMBER OF SPOIL WAGONS AND CAPACITY OF EACH (m<sup>3</sup>): (a minimum of 3 is required) \_\_\_\_\_

7.5.1.4. Other Spoil linked wagons (eg. Match wagon) (Qualify): \_\_\_\_\_

7.5.1.5. NOMINAL PRODUCTION RATE ACCEPTING SPOIL (m<sup>3</sup>/h): (minimum spoil size 30m<sup>3</sup>) \_\_\_\_\_

7.5.1.6. Spoil Discharge & Transfer rates: \_\_\_\_\_

7.5.1.7. High production rapid spoil removal wagons: \_\_\_\_\_

a) NOMINAL DISCHARGE TIME (including preparation) (maximum 10 minutes):

b) NOMINAL TRANSFER TIME, FULL TO EMPTY WAGON (including preparation):

7.5.1.8. Convention Spoil conveyor wagons: No of wagons and capacity before removal for off-loading: \_\_\_\_\_

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7.5.1.9. AXLE LOAD (Tons) (Maximum 23 tonnes loaded): \_\_\_\_\_

7.5.1.10. Break system of wagons (Air break, Vacuum or both): \_\_\_\_\_

7.5.1.11. FITTED WITH RAILWAY BUFFERS BOTH ENDS, IF NOT CLARIFY: \_\_\_\_\_

7.5.1.12. NOMINAL TRAVELLING SPEED (km/h)

: When travelling as part of and coupled to a train (Loaded): \_\_\_\_\_

: When travelling as part of and coupled to a train (Empty): \_\_\_\_\_

(minimum = 60km/h)

7.5.2. **Other information:** \_\_\_\_\_

Runner Wagon (required to carry the spoil **levelling machine / Loader / TLB** and to connect spoiling system to the locomotive)

7.5.2.1. MAKE: \_\_\_\_\_

7.5.2.2. MODEL (YEAR): \_\_\_\_\_

7.5.2.3. WAGON LOADING CAPACITY (TONNES): \_\_\_\_\_

7.5.2.4. AXLE LOAD (Tons): \_\_\_\_\_

7.5.2.5. Break system of wagons (Air break, Vacuum or both): \_\_\_\_\_

7.5.2.6. FITTED WITH RAILWAY BUFFERS BOTH ENDS, IF NOT CLARIFY: \_\_\_\_\_

7.5.2.7. Loader / TLB provided: (To be provided with each screener package whether spoil wagons or not)

a) Type and size of machine provided: \_\_\_\_\_

b) Travel of machine site to site: describe (Rail wagon with ramps or Low bed): \_\_\_\_\_

7.5.2.8. Other information: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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**8. SCHEDULE OF LABOUR FOR FULL TIME SUPPORT PREPARATION and support for screening**

All direct machine based support work for all machines offered per screener package the contracts.

Included as part of screening process, excluding limited drain cleaning.

(Opening of level crossings, preparation of ballast shoulders, cleaning behind screener etc.)

|                                                                  | A) Machine support Labour | B) Full time support Subcontract labour as part of machine activity. | C) Any other full time labour – (Functions to be specified.) |
|------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------|--------------------------------------------------------------|
| 1. Contract supervisor                                           |                           |                                                                      |                                                              |
| 2. Machine operators<br>Differentiate between machines           |                           |                                                                      |                                                              |
| 3. Machine maintenance support Technicians                       |                           |                                                                      |                                                              |
| 4. Machine Technician Trade hands supporting machines:           |                           |                                                                      |                                                              |
| 5. Other Machine support Grades: Specify:                        |                           |                                                                      |                                                              |
| 6. Subcontractor supervisor / Track master for screening support |                           |                                                                      |                                                              |
| 7. Subcontractors Trade hands for track support. Trackman etc.   |                           |                                                                      |                                                              |
| 8. Bonders.                                                      |                           |                                                                      |                                                              |
| 9. Flagmen                                                       |                           |                                                                      |                                                              |

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|                                                                         |  |  |  |
|-------------------------------------------------------------------------|--|--|--|
| 10. Workers (Track workers Un –skilled labour)                          |  |  |  |
| 11. Vehicle allowed for transport of workers & tools. (Type & Capacity) |  |  |  |
| 12.. Any other support allowed for execution of this function (Clarify) |  |  |  |