

PART C2: PRICING DATA

“PREVIEW COPY ONLY”

Part C2
PRICING DATA
INDEX

Section	Description
C2.1	Pricing Instructions
C2.2	Price List

“PREVIEW COPY ONLY”

PART C2:
PRICING DATA

CONTENTS

<u>SECTION NO.</u>	<u>DESCRIPTION</u>
C2.1	Pricing instructions.
C2.2	Schedule of Machines and Labour Machine and Labour Schedules Tamping
C2.3	Price list: High output Tamping

“PREVIEW COPY ONLY”

PART C2: PRICING DATA

2.0 General

- 2.0.1 The agreement is based on the NEC Term Service Contract. The contract specific variables are as stated in the contract data. Only the headings and clause numbers for which allowance must be made in the Price List are recited.
- 2.0.2 Preliminary and general requirements are based on part 1 of SANS 1921, Construction and management requirements for works contracts. The additions, deletions and alterations to SANS 1921 as well as the contract specific variables are as stated in the contract data. Only the headings and clause numbers for which allowance must be made in the Price List are recited.
- 2.0.3 It will be assumed that prices included in the Price List are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders.
- 2.0.4 The Price List is not intended for the ordering of materials. Any ordering of materials, based on the Price List, is at the Contractor's risk.
- 2.0.5 The prices and rates in these Price Lists are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the scope of work and shall cover liabilities and obligations set forth or implied in the Contract data, as well as profit.
- 2.0.6 The quantities set out in these Price Lists are approximate and do not necessarily represent the actual amount of work to be done. The quantities of work accepted and certified for payment will be used for determining payments due and not the quantities given in these Price Lists.
- 2.0.7 The short descriptions of the items of payment given in this Price List are only for purposes of identifying the items. More details regarding the extent of the work entailed under each item appear in the Scope of Work.
- 2.0.8 For each item in the Price List, the Contractor shall provide in the appropriate column the portion of the tendered sum (inclusive of labour and material) which has been sourced locally (Republic of South Africa).
- 2.0.9 The Contractor shall provide information related to imported content, i.e. equipment to be imported, value and applicable exchange rates. This information shall be provided as an Annexure to the Price Lists.
- 2.0.10 The total in the Price List shall be exclusive of VAT, and shall be transferred to form C1.1 (Form of Offer and Acceptance).

PART C2: PRICING DATA

C2.1 Pricing Instructions

1 MEASUREMENT AND PAYMENTS

Payment will be made in accordance with the rates tendered in the schedule of quantities and prices as follows:

- (a) In the formulae herein T_w , t_o and T_b are the totals for the month, except when $T_w > 100$ hours, where after no T_b will be added to the monthly total of T_b . T_o will be reduced with all the T_b recorded after $T_w > 100$ hours.
- (b) Availability = $A = \frac{T_o - T_b}{T_o}$
- (c) Productivity factor, P , is calculated as in clause 8 and will be restricted to a maximum of 1.0.

1.1 ITEM 1

An establishment payment will be made after the machine first attains a minimum availability of 75 % over a period of 1 month.

1.2 ITEM 2

Payment for machine hire will be made as follows:

Monthly payment = (Availability) x (Applicable rate of item 2.1 or 2.2) x (number of T_o days in the month)

T_o days exclude days on which the machine was not required to be available - e.g. weekends/holidays.

In any contract year (taken from the contract commencement date) the guaranteed number of T_o days will be 240 - (idle time days). The additional T_o days will only be measured after the guaranteed number of days in a contract year have been worked.

1.3 ITEM 3

Payments will be made for each hour of working time (T_w). Only work that was required and accepted will be included in the production measurement and payment under item 3.

1.4 ITEM 4 - OVERTIME

Item 4.1 Overtime payment will be made for occupation time during week days (Monday to Friday) in excess of the hours of maximum occupation time (T_{om}) of eight (8) hours per day.

Item 4.2 Overtime payment will be made for work performed on a Saturday or weekdays when in excess of five (5) consecutive days out of every seven (7) days or in excess of ten (10) consecutive days out of every fourteen (14) days have been worked.

Overtime will also be paid on a Saturday of shift working after shift time exceeds the maximum hours allowed for T_{om} .

- Item 4.3 Overtime payment will be made for work performed on a Sunday or Paid Public Holiday when in excess of five (5) consecutive days out of every seven (7) days or in excess of ten (10) consecutive days out of every fourteen (14) days have been worked.
Sunday time will also be paid on a Sunday or Paid Public Holiday of shift working after shift time exceeds the maximum hours allowed for Tom

1.5 ITEM 5 - SHIFT ALLOWANCE

- Item 5.1 A shift allowance payment will be made for work performed on a Saturday when working five (5) days out of every seven (7) days or ten (10) days out of every fourteen (14) days. Payment for this shift allowance ceases when overtime is paid.
- Item 5.2 A shift allowance payment will be made for work performed on a Sunday or Paid Public Holiday when working five (5) days out of every seven (7) days or ten (10) days out of every fourteen (14) days. Payment for this shift allowance ceases when overtime is paid.
- Item 5.3 A night shift allowance payment will be made when a occupation worked or part thereof falls between 19h00 and 05h00, and will be paid in addition to any other shift or overtime payments.

1.6 ITEM 6

This is a provisional item for working outside contract area.

1.7 ITEM 7

This is a provisional item for temporary stoppage of work. Payment for idle time (Ti) will be made for each calendar day. The tendered rates shall include for all cost incurred by the Contractor.

1.8 ITEM 8

When technological developments required by Transnet Freight Rail necessitate modifications to the machine, an assessment of the time and cost of such modifications shall be submitted to the Supervisor as soon as possible. Modifications in the field shall only be done on instructions by the Supervisor, for which the following shall apply:

- for labour, the rate in item 8 of the schedule of quantities and prices.
- A mark-up of 25 % will be allowed on landed prices of imported parts or the delivered prices of locally manufactured parts and be excluded from price adjustments.

1.9 ITEM 9

This is a provisional item (refer clauses 3.3.6 and 3.3.7 for additional work). The rates are to be for labour (including hand tools), supervision and transport for additional preparation work, approved by the Supervisor.

1.10 ITEM 10

Payment will be made per track kilometer for moving the machinery between work site and work site (see definition of "Machinery" and "Moving time" - E.160.). Tendered rates shall include for fuel as well as wear and tear while moving. No payment will be made when the machinery is pulled by locomotive.

SCHEDULE OF MACHINES
CONTRACT NO: S.I./PC10001

A1) TAMPING PLAIN TRACK (Tamper as per Option A1)

TYPE OF MACHINE: _____

1 MAKE _____ :

2 MODEL _____ (YEAR) _____ :

3.1 NOMINAL PRODUCTION RATE (sleepers/min) (Minimum = 40 /min)

3.2 Double tamp Adjustment factor (Refer clause 8.3) _____

4 LIFTING AND SLEWING

4.1 MAXIMUM LIFT (mm) _____

4.1 MAXIMUM SLEW PER PASS (mm) : _____

4.2 Limiting Track condition from below which machine cannot achieve "A" standard (Refer clause 4.1.1) Qualify: _____

5.1 NOMINAL TRAVELLING SPEED (km/h): LEVEL GRADIENT (minimum 60 km/h): _____

5.2 NOMINAL TRAVELLING SPEED (km/h): GRADIENT OF 1:60 (minimum 45 km/h): _____

5.3 Nom traveling speed (km/h): When traveling as part of a coupled train (minimum 60 km/h): _____

6 TAMPING FREQUENCY (Hz) : _____

7 MAXIMUM AXLE LOAD _____

8 SCHEDULED PREPARATION TIME FOR the MACHINE (Tq) MINUTES : _____

9 Sleeper spacing limitations:

9.1 Affect on tamping rate: Maximum and minimum deviation in mm of sleeper spacing before nominal production rate is effected. (Refer to E160 clause 13.7.12.) (Assume nominal sleeper spacing is 700mm):

9.2 The variation in design sleeper spacing the machine can handle.

9.3 The variation in constancy of a design sleeper spacing that the machine can handle.

9.4 The variation from square that the machine can handle.

9.5 The conditions under which the tamper may move sleepers and what is required to ensure that this is not done:

9.6 What minimum radius the machine can tamp.

9.7 Any other limitations or technical requirements applicable to the machine

10 Conditions under which lining equipment does not function accurately:

“PREVIEW COPY ONLY”

SCHEDULE OF MACHINES
CONTRACT NO: S.I./PC10001

A2) TAMPING PLAIN TRACK (Tamper as per Option A2)

TYPE OF MACHINE: _____

1 MAKE: _____

2 MODEL (YEAR): _____

3.3 NOMINAL PRODUCTION RATE (sleepers/min) (Minimum = 40 /min) _____

3.4 Double tamp Adjustment factor (Refer clause 8.3) _____

4 LIFTING AND SLEWING

4.1 MAXIMUM LIFT (mm) _____

4.3 MAXIMUM SLEW PER PASS (mm) : _____

4.4 Limiting Track condition from below which machine cannot achieve "A" standard (Refer clause 4.1.1) Qualify: _____

5.1 NOMINAL TRAVELLING SPEED (km/h): LEVEL GRADIENT (minimum 60 km/h): _____

5.2 NOMINAL TRAVELLING SPEED (km/h): GRADIENT OF 1:60 (minimum 45 km/h): _____

5.3 Nom traveling speed (km/h): When traveling as part of a coupled train (minimum 60 km/h): _____

6 TAMPING FREQUENCY (Hz): _____

7 MAXIMUM AXLE LOAD _____

8 SCHEDULED PREPARATION TIME FOR the MACHINE (Tq) MINUTES: _____

9 Sleeper spacing limitations:

9.1 Affect on tamping rate: Maximum and minimum deviation in mm of sleeper spacing before nominal production rate is effected. (Refer to E160 clause 13.7.12.) (Assume nominal sleeper spacing is 700mm) _____

9.2 The variation in design sleeper spacing the machine can handle.

- 9.3 The variation in constancy of a design sleeper spacing that the machine can handle.

- 9.4 The variation from square that the machine can handle.

- 9.5 The conditions under which the tamper may move sleepers and what is required to ensure that this is not done.

- 9.6 What minimum radius the machine can tamp.

- 9.7 Any other limitations or technical requirements applicable to the machine

- 10 Conditions under which lining equipment does not function accurately:

“PREVIEW COPY ONLY”

B) STABILISING PLAIN TRACK (Option B. Stabiliser provided with tamper & coupled to tamper or working separately from tamper)

TYPE OF MACHINE: _____

1 MAKE _____ :

2 MODEL (YEAR): _____

3 NOMINAL PRODUCTION RATE (must at least match that of the tamper)
_____ Meters / Hour

4 MAXIMUM TRACK SETTLEMENT PER PASS (mm) _____

5 NOMINAL TRAVELLING SPEED (km/h):

5.1 LEVEL GRADIENT (minimum 60 km/h): _____

5.2 GRADIENT OF 1:60 (minimum 45 km/h): _____

5.3 WHEN TRAVELLING AS PART OF AND COUPLED TO A TRAIN (OR BALLAST TAMPER) (minimum 60 km/h):

6 STABILISING FREQUENCY (Hz) : _____

7 LENGTH OF VIBRATING BASE (Meter) : _____

8 SCHEDULED PREPARATION TIME FOR BOTH MACHINES (Tq) MINUTES : _____

9 MAXIMUM AXLE LOAD _____

Note: **Nominal** in the schedule of machines indicates the maximum continuous production rate that the machine is capable of.

Other comments:

SCHEDULE OF LABOUR FOR PREPARATION OF TAMPING. (REFER CLAUSE 3.3)

TAMPING PLAIN TRACK AND SETS

	Staff allowed for Track preparation Geometry measurement	Staff allowed for
1. Artisan/ Platelayer/ Supervisor.	
2. Skilled Labourers	-----	-----
3. Un-skilled Labourers	-----	-----
	Description of vehicle	Capacity of vehicle
Vehicle allowed for, for the transport of labour and hand tools(Clause 3.3.6)	-----	-----
Vehicle allowed for, for the transport of as and when required additional labour as per Clause 3.3.7 (Item 8.4 of schedule of prices)	-----	-----

SCHEDULE OF CELL-PHONE CONTRACT
(REFER CLAUSE 13.5.1 OF THE E160)

TAMPING PLAIN TRACK AND SETS

	Name of Service Provider (i.e. Vodacom / MTN) Type of Contract (i.e. Talk 500 / Pinical 600)
Cellular Telephone