

PART C 2 PRICING DATA

<u>Section no.</u>	<u>Description</u>
C2.0	General
C2.1	Pricing instructions
C2.2	Schedule of machines and labour, Machine 1 Schedule of machines and labour, Machine 2
C2.3	Price List, Machine 1 Price List, Machine 2

PREVIEW COPY ONLY

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).

C 2.1 PRICING INSTRUCTIONS

A) Part A) General requirements for Measurement and Payment.

- a) This part C2 of the specification as well as any reference in part C3 and C3.24 will apply to determine conditions under which payments for this contract are to be made.
- b) The basis of this payment is the equivalent km regulated/profiled (Ekp). To ensure allowing of sufficient time to achieve the planned Ekp, continuous record keeping of time utilisation is required. Time Tw, TO, and Tb totals for the month as well as Ts, Tx, Tt, Tm and Tp as well as any other relevant time is to be recorded and availability and productivity has to be calculated for the month.
- c) In the formulae herein Tw, To, Tb and La are the totals for the month, except when Tw > 100 hours, where after no Tb will be added to the monthly total of Tb. To will be reduced with all the Tb recorded after Tw > 100 hours.
- d)
$$\text{Availability} = A = \frac{T_o - T_b}{T_o}$$
- e) Availability is not calculated separately for profiling and brooming.

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

2.1 ITEM 1 - ESTABLISHMENT

An establishment payment will be made after the machine first attains a minimum availability of 65% over a period of 1 month.

2.2 ITEM 2 – PROFILING PAYMENT (EKP)

2.2.1 Payment shall be made for the Equivalent km regulated / profiled (Ekp) per machine.

- a) Payment for work done shall be as follows:

$$\begin{aligned} \text{Ekp (equivalent km regulated/profiled)} = & \text{Actual km profiled with Rpro1} \\ & + \text{Actual km profiled with Rpro2 x Factor 1} \\ & + \text{Actual km profiled with Rpro3 x Factor 2} \end{aligned}$$

Where,

Rpro1 – Rate of profiling of shoulders only in meters/hour

Rpro2 – Rate of profiling of centre only in meters/hour

Rpro3 – Rate of profiling of centre and shoulders in meters/hour

$$\text{Factor 1} = \frac{\text{Rpro1}}{\text{Rpro2}}$$

$$\text{Factor 2} = \frac{\text{Rpro1}}{\text{Rpro3}}$$

The length of track profiled using each of the different types of profiling classes will be proportioned up to an equivalent length of Pro1.

- b) The rate for this item shall include all fixed costs and all variable cost for the work required. This shall include all standard support labour required, the flagmen and general support bonding for bond removal and replacement and or repair, normally damaged by the regulator working machine.

2.2.2 ITEM 2.2

- a) Once the planned equivalent km regulated (Ekp) for the month has been achieved, all additional profiling will be paid for under this item.
- b) Each months payment will be provisionally reconciled with the previous month, allowing for the exchange of the extra Ekp profiled of a preceding month to cover for a shortfall of Ekp for the current month.
- c) A final reconciliation shall be done once per year to ensure that only the planned equivalent Ekp as per item 2.1 is paid for against the rates allowed for under that item.
- d) All additional EKP will only be paid for under this item 2.2
- e) Additional km regulated over and above the volume allowed for in the Schedule of quantities shall only be allowed if approved by the Project Manager.

- 2.2.4 The machine will be planned to be utilised for a maximum of 235 To days per year of which estimated 20 To days will be required to travel to a new work site or work area. This will imply that an estimated 215 To days may be available per year for working

All time and productivity records and calculations shall be recorded on every month's payment calculations as per clause 9 of particular specifications to monitor time allowed for the contractor to achieve the required work output.

2.3 ITEM 3 – OVERTIME PAYMENT

2.3.1 ITEM 3.1

- 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.

2.3.2 ITEM 3.2

- 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.

2.4 ITEM 4 - SHIFT ALLOWANCE

2.4.1 ITEM 4.1 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.

2.4.2 ITEM 4.2 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.

2.4.3 ITEM 4.3 A night shift allowance payment will be made when a 8 hour occupation or part thereof falls between 18h00 and 06h00, and will be paid in addition to any other shift or overtime payments.

2.5 ITEM 5 – DAY LABOUR RATES

2.5.1 When technological development required by Transnet Freight Rail necessitates 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 instruction by the Supervisor, for which the following shall apply:
for labour, the rates in item 7 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 will be excluded from price adjustment described in Option X1 of the Contract Data.

2.5.2 Day labour

- a) Where additional day labour and vehicle hire is required and authorised, payment for this additional day labour shall be made under this item.
- b) The rate shall include all related cost for the day labour such as uniforms / protective clothing, tools and accommodation
- c) Additional Day labour shall only be allowed if authorised by the Project Manager.

2.6 ITEM 6 – MOVING MACHINE

Payment will be made per track kilometre for moving the machinery between work site and work site (See definition of moving time - CONTRACT DATA Definitions). Tendered rates shall include for fuel as well as wear and tear while moving.

ITEM 7 Standing time and or Idle Time

- a) Tenderers shall specify the proportional % or portion of the cost of the item 2.1 which is the fixed portion of costs.
- b) 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 of production due to insufficient opportunity be allowed for production.
- c) 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 TFR.

2.7 When the planned work load for a year is achieved it will be considered that sufficient time was allowed for the work

2.8 LUMP SUM

2.8.1 ITEM 8.1

Lump sum item for payment of specific costs not covered in the existing specification. This Lump sum item is included for items such as:

- a) Payment of material and or services such as may be required for level crossing repair work during tamping or interim accommodation payments for which TFR may be responsible.
- b) Payment of plant hire or day labour not specifically covered by rates in the contract.

2.8.2 Payment of interim accommodation cost will only be applicable where wagons are agreed to be used and the contractor is required to work at the new moved site after a machine has moved and TFR has undertaken to assist with accommodation wagons and the accommodation wagons and train has been delayed, requiring the contractor to arrange for alternative additional accommodation.

2.8.3 Payment for late accommodation shall only apply if agreed on and specifically instructed by the Technical Officer.

2.8.4 Any agreement for the supply of an additional service required by TFR shall be between the contractor and supplier of the service. Transnet will only pay the contractor for this service on acceptance of the invoice, under the condition that the service and price was approved beforehand by the Technical Officer.

2.8.5 Any approved invoice payable, shall clearly qualify the supplier, rate, quantity, cost and delivery detail, certified by the contractor for what purpose used, including reference to minutes or instruction from Technical Officer

oooOooo

**SCHEDULE OF MACHINES
PROFILING/REGULATING BALLAST OF RAILWAY TRACK FOR
MACHINE 1**

1. TYPE OF MACHINE:.....
 2. MAKE:.....
 3. MODEL (YEAR).....
 4. HOPPER CAPACITY (cubic metre):.....
 5. NOMINAL TRAVELLING SPEED (km/h)
 - 5.1 Zero gradient level): (Minimum = 60km/h):.....
 - 5.2 1:60 gradient: (45 km/h).....
 - 5.3 When travelling as part of and coupled to a train: (minimum = 60km/h).....
 - 5.4 Comments on capacity to consistent travel at section speed for moves
 6. Power output: (MAXIMUM KILOWATT).....
 - 7 Comments on capacity of cubic meters/ ton ballast moved per length.....
- Note: **Nominal** in the schedule of machines indicates the maximum continuous production rate that the machine is capable of.

PREVIEW COPY ONLY

DESCRIPTION	UNIT	SCHEDULED MEASUREMENT/RATE/TIME	LIMITING RATE
Lateral reach (from rail centreline)	m		2,90 minimum
Vertical reach (from rail level)	m		1,00 minimum
Profiling rates: Shoulders only shoulders to centre shoulder to shoulder	m/Tw hr m/Tw hr m/Tw hr	Rpro 1 = Rpro 2 = Rpro 3 =	

CONTRACTOR _____

DATE: _____



**SCHEDULE OF MACHINES
PROFILING/REGULATING BALLAST OF RAILWAY TRACK FOR
MACHINE 2**

1. TYPE OF MACHINE:.....
 2. MAKE:.....
 3. MODEL (YEAR).....
 4. HOPPER CAPACITY (cubic metre):.....
 5. NOMINAL TRAVELLING SPEED (km/h)
 - 5.1 Zero gradient level): (Minimum = 60km/h):.....
 - 5.2 1:60 gradient: (45 km/h).....
 - 5.3 When travelling as part of and coupled to a train: (minimum = 60km/h).....
 - 5.4 Comments on capacity to consistent travel at section speed for moves
 6. Power output: (MAXIMUM KILOWATT).....
 - 7 Comments on capacity of cubic meters/ ton ballast moved per length.....
- Note: **Nominal** in the schedule of machines indicates the maximum continuous production rate that the machine is capable of.

DESCRIPTION	UNIT	SCHEDULED MEASUREMENT/RATE/TIME	LIMITING RATE
Lateral reach (from rail centreline)	m		2,90 minimum
Vertical reach (from rail level)	m		1,00 minimum
Profiling rates: Shoulders only shoulders to centre shoulder to shoulder	m/Tw hr m/Tw hr m/Tw hr	Rpro 1 = Rpro 2 = Rpro 3 =	

CONTRACTOR _____

DATE: _____



SCHEDULE OF LABOUR FOR PREPARATION OF REGULATING/PROFILING FOR
MACHINE 1

Regulating of Ballast

Staff allowed for assistance of contractor for regulating

1. Artisan/ Platelayer/ Supervisor.
2. Skilled Labourers
3. Bonder
4. Flagmen
5. Un-skilled Labourers

	Description of vehicle	Capacity of vehicle
6. Vehicle allowed for, for the transport of bonder, flagmen, etc and hand tools(Clause 3.4.6)		

SCHEDULE OF CELL-PHONE CONTRACT
(REFER CLAUSE 13.5.1 OF THE CONTRACT DATA (NOVEMBER 2000))

Regulating of Ballast

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

CONTRACTOR _____

DATE: _____



SCHEDULE OF LABOUR FOR PREPARATION OF REGULATING/PROFILING FOR
MACHINE 2

Regulating of Ballast

Staff allowed for assistance of contractor for regulating

- 1. Artisan/ Platelayer/ Supervisor.
- 2. Skilled Labourers
- 3. Bonder
- 4. Flagmen
- 5. Un-skilled Labourers

- | | Description of vehicle | Capacity of vehicle |
|----|---|---------------------|
| 6. | Vehicle allowed for, for the transport of bonder, flagmen, etc and hand tools(Clause 3.4.6) | |

PREVIEW COPY ONLY

SCHEDULE OF CELL-PHONE CONTRACT

(REFER CLAUSE 13.5.1 OF THE CONTRACT DATA (NOVEMBER 2000))

Regulating of Ballast

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

Cellular Telephone

CONTRACTOR _____

DATE: _____

Part C2
Pricing Data

C2.1

TRANSNET



Transnet Freight Rail
A division of Transnet Limited

Contract SIC 8078
Ballast Regulating

REGULATING / PROFILING MACHINE
PRICE LIST FOR **MACHINE 1**

	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
1.	Establishment	--	sum		
2.	Regulating payment				
2.1	Planned equivalent km profiled regulated (Ekp)	3780	day		
2.2	Additional equivalent km profiled regulated	630	day		
2.3	Additional time based use of machine for emergency call out work over holiday periods				
3.	Overtime				
3.1	Overtime hours outside Tom of 8 hours per day & Overtime payment for Saturdays when in excess of 5 out of 7 or 10 out of 14 days are worked consecutively & OT on shift days in excess of 8 h	300	Hour		
3.2	Overtime payment for Sundays & PPH when in excess of 5 out of 7 or 10 out of 14 days are worked consecutively & ST for shift days on Sunday & PPH in excess of 8h.	200	Hour		
4.	Shift allowance				
4.1	Shift payment for Saturdays when working 10 out of 14 days	530	Hour		
4.2	Shift payment for Sundays & PPH when working 10/14 shifts.	650	Hour		
4.3	Night shift payment for night shifts between 19h00 and 05h00. (This shift payment is in addition to shift payments in items 3.1 and 3.2 and 4.1 – 4.3)	50	hour		
5.	LABOUR RATES - Normal hours (* hours per day)				
5.1	Artisan	230	Man day		--
5.2	Skilled labour	230	Man day		--
5.3	Unskilled labour	700	Man day		--
5.4	Enhancement for overtime (extra over items 7.1, 7.2 and 7.3): Weekdays and Saturdays	Prov	percent		
5.5	Enhancement for overtime: Sundays and public holidays	Prov	percent		--
5.6	LDV hire per day (All inclusive (Driver, fuel & Vehicle)	230	Day		
5.7	Small truck (3 ton) Hire per day	230	Day		
6.	Moving machine	9000	Km		
7.	Idle time	Provisional	%		--
8.	Provisional Lump Sum	1	Sum	R100 000	R100 000
TOTAL AMOUNT (EXCLUDING VAT)					

TENDERER: _____ Date: _____

Part C2
Pricing Data



C2.2
Price List

Transnet Freight Rail
A division of Transnet Limited

Contract SIC 8078
Ballast Regulating

REGULATING / PROFILING MACHINE
PRICE LIST FOR **MACHINE 2**

	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
1.	Establishment	--	sum		
2.	Regulating payment				
2.1	Planned equivalent km profiled regulated (Ekm)	3000	day		
2.2	Additional equivalent km profiled regulated	600	day		
2.3	Additional time based use of machine for emergency call out work over holiday periods				
3.	Overtime				
3.1	Overtime hours outside Tom of 8 hours per day & Overtime payment for Saturdays when in excess of 5 out of 7 or 10 out of 14 days are worked consecutively & OT on shift days in excess of 8 h	300	Hour		
3.2	Overtime payment for Sundays & PPH when in excess of 5 out of 7 or 10 out of 14 days are worked consecutively & ST for shift days on Sunday & PPH in excess of 8h.	200	Hour		
4.	Shift allowance				
4.1	Shift payment for Saturdays when working 10 out of 14 days	530	Hour		
4.2	Shift payment for Sundays & PPH when working 10/14 shifts.	650	Hour		
4.3	Night shift payment for night shifts between 19h00 and 05h00. (This shift payment is in addition to shift payments in items 3.1 and 3.2 and 4.1 – 4.3)	50	hour		
5.	LABOUR RATES - Normal hours (* hours per day)				
5.1	Artisan	230	Man day		--
5.2	Skilled labour	230	Man day		--
5.3	Unskilled labour	700	Man day		--
5.4	Enhancement for overtime (extra over items 7.1, 7.2 and 7.3): Weekdays and Saturdays	Prov	percent		
5.5	Enhancement for overtime: Sundays and public holidays	Prov	percent		--
5.6	LDV hire per day (All inclusive (Driver, fuel & Vehicle)	230	Day		
5.7	Small truck (3 ton) Hire per day	230	Day		
6.	Moving machine	9000	Km		
7.	Idle time	Provisional	%		--
8.	Provisional Lump Sum	1	Sum	R100 000	R100 000
TOTAL AMOUNT (EXCLUDING VAT)					

PREVIEW COPY ONLY

TENDERER: _____ Date: _____

Part C2
Pricing Data



C2.2
Price List