

ANNEXURE E

T2.2-24: Compliance to Eligibility Criteria

Tenderers are to list in this schedule compliance to the below Eligibility Criteria of the Rubber Tyred Gantry Crane.

In as far as possible Tenderers are to provide brochures, specifications, etc. to substantiate their compliance to the eligibility criteria. The Tenderer's sign-off at the bottom of the returnable is deemed as confirmation that the Tenderer commits that they will comply to the listed eligibility criteria.

Description	Comply Yes/No
Tenderer is an original equipment manufacturer (OEM) of RTG cranes,. (Letter from OEM declaring they will be supplying TPT directly will be required.)	
Design Compliance to F.E.M.	
Compliance to EUROMOT II emissions standard as a minimum	
Hoist Speed with full load : Minimum 7 m/min	
Trolley Speed with full load : Min 25 m/min	
Hoisting capability of at least 40 ton	
Spreader horizontal travel distance of at least 18.4m	
Spreader vertical travel distance of at least 18m	
RTG Width: External dimensions not to exceed 27m	
RTG Width: Centre-line Wheel to center-line Wheel dimension to be in the range of 23.3m to 23.6m	
RTG Span: Pier 1: 1+6	

NCT: 1+7	
CTCT: 1+6	
RTG Drive:	
Pier 1: 4x2	
NCT: 4x4	
CTCT: 4x4	
Maximum wheel load does not exceed 36 ton per wheel	
Minimum In-Service wind Speed of 90 km/hr.	
Compliance to clauses 4.1.1.1 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.1.1.2 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.1 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.2 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.3 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.4 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.5 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.6 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.7 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.8 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.9 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.10 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.11 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.12 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.13 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.14 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.15 of Technical Specification 'TPT_TS_RTG_Rev 11'.	

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")



Compliance to clauses 4.2.1.16 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.17 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.18 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.19 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.20 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Compliance to clauses 4.2.1.21 of Technical Specification 'TPT_TS_RTG_Rev 11'.	
Corrosion Protection Guarantee on crane structure: > or = 10 years	
Walkway stringers, staircase stringers, support brackets, kick plates, handrails, knee rails and stanchions to be hot dip galvanised and painted. Stair treads and walkway grating to be hot dip galvanised.	
Number of paint coats including primer: Minimum of 3 coats	
The Rubber Tyred Gantry crane shall comply with the South African Occupational Health and Safety Act, Act 85 of 1993 as amended.	
The camera system must continually save to the recorder for the 7 day cycle.	
All access to be staircases and walkways, minimum 700 mm	

Signed _____

Date _____

Name _____

Position _____

Tenderer _____

T2.2-25: Compliance to Eligibility Criteria

Tenderers are to list in this schedule compliance to the below Eligibility Criteria of the Ship-to-Shore Crane.

Tenderers are to note that these are the minimum technical requirements that the Ship-to-Shore Crane must c

In as far as possible Tenderers are to provide brochures, specifications, etc. to substantiate their compliance to the eligibility criteria. The Tenderer's sign-off at the bottom of the returnable is deemed as confirmation that the Tenderer commits that they will comply to the listed eligibility criteria.

Parameter for Ship-to-Shore Crane	Comply (Yes/No)
Tenderer is an original equipment manufacturer (OEM) of STS cranes. (Letter from OEM declaring they will be supplying TPT directly will be required.)	
Design Compliance to F.E.M.	
Minimum Twin Lift Hoisting Capability of 65 ton	
Twin Lift Capability	
Crane designed for 11,000 Volt, 3 phase, 50 Hertz power supply	
All motors and drives are AC	
Minimum In-Service wind Speed of 90 km/hr	
Hoist Speed with 65 ton Load : Minimum 90 m/min	
Trolley Speed with 65 ton Load : Min 210 m/min	
Hatch Cover placement position: Pier 1, on the crane and behind land side rail, Pier 2, CTCT PE, NCT on ground between the legs.	

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")



<p>Rail Gauge</p> <p>Pier 1, Pier 2 (North Quay), NCT, CTCT: 30 m</p> <p>Pier 2 (East Quay), PECT: 20 m</p> <p>Pier 2 (South Quay) : 28, 5 m</p>	
<p>Crane Outreach, this is the distance from the center-line of the seaside rail to the center-line of the spreader</p> <p>PECT: 52 m</p> <p>Pier 1, Pier 2, NCT, CTCT : 65 m</p>	
<p>Lifting height above rail, this the distance from the top of the seaside rail to the bottom of the spreader.</p> <p>PECT: 37 m</p> <p>Pier 1, Pier 2, NCT, CTCT : 43 m</p>	
Corrosion Protection Guarantee on crane structure: > or = 10 years	
Walkway stringers, staircase stringers, support brackets, kickplates, handrails, knee rails and stanchions to be hot dip galvanised and painted. Stair treads and walkway grating to be hot dip galvanised.	
Number of paint coats including primer: Minimum of 3 coats	
The Ship to Shore Container crane shall comply with the South African Occupational Health and Safety Act, Act 85 of 1993 as amended.	
Maximum Wheel Load on Waterside and Landside Rails (in-service and out of service) of 63,5 tons	
Access from ground to the top of the A-frame is via staircase	
Compliance to clause 4.1.1.1 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.2 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.3 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.4 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.5 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.6 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.7 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.8 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.9 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.10 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.11 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.12 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")



Compliance to clause 4.1.1.13 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.14 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.15 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.16 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.17 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.18 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.19 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.20 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
Compliance to clause 4.1.1.21 of Technical Specification 'TPT_TS_TwinLift_AC_STSCrane Rev. no. 13'	
The camera system must continually save to the recorder for the 7 day cycle.	
Width of Access Way (stairs and walkways) from floor level to operator's cabin required is a minimum of 700mm	

Signed _____

Date _____

Name _____

Position _____

Tenderer _____

ANNEXURE F



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

PART 2: PRICING DATA

Document reference	Title	No of pages
	This cover page	1
C2.2	Pricing Schedule	3
	Total number of pages	4



C2.1 Pricing instructions:

1. The *conditions of contract*

1.1 How *goods and services* are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, April 2013(SC3) core clauses states:

Identified and defined terms	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.
		(12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
Assessing the amount due	50.2	The amount due is
		the Price for each lump sum item in the Price Schedule which the <i>Contractor</i> has completed, where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Contractor</i> has completed by the rate, plus, other amounts to be paid to the <i>Contractor</i> , less amounts to be paid by or retained from the <i>Contractor</i> .
		Any tax which the law requires the <i>Employer</i> to pay to the <i>Contractor</i> is included in the amount due.

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods and services* which can be priced as lump sums or as expected quantities of *goods and services* multiplied by a rate, or a mix of both.

1.2 Function of the *Price Schedule*

Clause 53.1 states: "Information in the Price Schedule is not Goods Information". This confirms that instructions to do work or how it is to be done are not included in the Price Schedule but in the Goods Information. This is further confirmed by Clause 20.1 which states, "The *Contractor* Provides the Goods and Services in accordance with the Goods Information". Hence the *Contractor* does **not** Provide the Goods and Services in accordance with the Price Schedule. The Price Schedule is only a pricing document.

1.3 Preparing the *price schedule*

It will be assumed that the tendering Contractor has read Pages 11 and 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*. Items in the *price schedule* may have been inserted by the *Employer* and the tendering Contractor should insert any additional items which he considers necessary. Whichever party provides the items in the *price schedule* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Goods and Services as described at the time of entering this contract.



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

1 As the *Contractor* has an obligation to correct Defects (core clause 43.1) and there is no compensation event for this unless the Defect was due to a *Contractor's* risk, the lump sum Prices and rates must also include for the correction of Defects.

2 If the *Contractor* has decided not to identify a particular item in the *price schedule* at the time of tender the cost to the *Contractor* of doing the work is assumed to be included in, or spread across, the other Prices and rates in the *price schedule* to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices.

3 There is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item of *goods* or *services* later turns out to be different to that which the *Contractor* estimated at time of tender. The only basis for a change to the Prices is because of a compensation event. See Clause 60.1.

4 Hence the Prices and rates tendered by the *Contractor* in the *price schedule* are inclusive of everything necessary and incidental to Providing the Goods and Services in accordance with the Goods Information, as it was at the time of tender, as well as correct any Defects not caused by an *Employer's* risk.

5 The *Contractor* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event. It should be noted that the list of compensation events includes those arising as a result of the *Employer's* risk event listed in core clause 80.1.

1.4 Format of the *price schedule*

(From Appendix 5 on page 78 of the SC3 Guidance Notes)

Entries in the first four columns in the *price schedule* in section C2.2 are made either by the *Employer* or the tendering Contractor.

If the *Contractor* is to be paid an amount for the item which is not adjusted if the quantity of work in the item changes, the tendering Contractor enters the amount in the Price column only, the Unit, Quantity and Rate columns being left blank.

If the *Contractor* is to be paid an amount for the item which is the rate for the item multiplied by the quantity completed, the tendering *Contractor* enters the rate which is then multiplied by the Quantity to produce the Price, which is also entered.

If the *Contractor* is to be paid an amount for an item proportional to the length of time for which the *goods* and *services* are provided, a unit of time is stated in the Unit column and the length of time (as a quantity of the stated units of time) is stated in the Quantity column.



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Mandatory Returnable

C2.2 Price Schedule

C.2.2.1 Option 1

The *Employer's* Price Schedule is listed below and is a summation of the Tenderers price Schedule.

The *Employer* requires at least the following activities to be priced. The Contractor can price for any of the equipment categories applicable to them as listed below. All items under the relevant category must be priced individually.

The price reflected below must be **fixed and firm for the first five (5) years of the contract**. Failure to provide a fixed and firm price will declare the Contractor nonresponsive.

It is Transnet's preference to enter into a Rand based contract, where the contractor will hedge the foreign exchange (FX) risk exposure on their balance sheet at a cost acceptable to Transnet by verifying cost of hedging with Transnet Treasury before hedge execution by the contractor.

Should this not be possible, and should it be required that the Employer hedge the FX risk, the Contractor will be required to re-imburse the Employer for any hedging related costs (losses that arise due to the moving of hedges), in the event that a payment cannot take place on the hedged date due to the Contractor.

It is Transnet's preference to enter into a contract on a DDP (Incoterms 2010 at the applicable Port) basis.

It is the Contractor's responsibility to ensure that they are familiar and can comply with all the applicable legislation relating to this tender such as the DDP Incoterms, Value Added Tax Act 89 of 1991 (VAT) and other applicable laws.

MAIN OFFER



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUSITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

1. SHIP-TO-SHORE CRANES

The manufacture, supply, delivery, and commissioning of Ship-to-Shore Cranes as Annexure 04 of the scope of works. The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Type	Quantity	Unit Price	Total Price (Ex Vat)
A. 2025				
Durban Container Terminal Pier 2 – North Quay	Twin lift	2		
Durban Container Terminal Pier 2 – South Quay	Twin lift	3		
Port Elizabeth Container Terminal	Twin lift	1		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works.		6 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	units	6		
STS Cranes Subtotal		6		
B. 2026				
Port Elizabeth Container Terminal	Twin lift	1		
Provision of 3 sets of special tools as per section 2.5.4.1 of the scope of works.		3 sets		
Provision of 3 industrial laptops as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	units	3		
STS Cranes Subtotal		1		
C. 2028				
Durban Container Terminal Pier 2 – North Quay	Twin lift	1		
Durban Container Terminal Pier 2 – South Quay	Twin lift	2		
Durban Container Terminal Pier 1	Twin lift	6		
Port Elizabeth Container Terminal	Twin lift	1		
Provision of 3 sets of special tools as per section 2.5.4.1 of the scope of works.		9 sets		
Provision of 3 industrial laptops as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	units	9		
STS Cranes Subtotal		10		
D. 2029				



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Durban Container Terminal Pier 2 – North Quay	Twin lift	3		
Provision of 3 sets of special tools as per section 2.5.4.1 of the scope of works.		3 sets		
Provision of 3 industrial laptops as per section 2.5.4.2 and 2.5.4.3 of the scope of works.				
	units	3		
STS Cranes Subtotal		3		

E. 2030	Type	Quantity	Unit Price	Total Price (Ex Vat)
Ngqura Container Terminal	Twin lift	6		
Cape Town Container Terminal	Twin lift	6		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		6 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	units	6		
STS Cranes Subtotal		12		

F. 2031	Type	Quantity	Unit Price	Total Price (Ex Vat)
Durban Container Terminal Pier 1	Twin lift	8		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	units	3		
STS Cranes Subtotal		8		

G. 2032	Type	Quantity	Unit Price	Total Price (Ex Vat)
Durban Container Terminal Pier 1	Twin lift	5		
Ngqura Container Terminal	Twin lift	2		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		6 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	units	6		
STS Cranes Subtotal		7		

H. 2033	Type	Quantity	Unit Price	Total Price (Ex Vat)
Durban Container Terminal Pier 2 – North Quay	Twin lift	7		
Cape Town Container Terminal	Twin lift	4		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		6 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	units	6		
STS Cranes Subtotal		11		

I. SIMULATORS				
Provision of simulators as per 2.5.3 on the Scope of Works document. To be provided with the first delivery batch.		4		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	units	3		
Simulators Subtotal		4		

J. SPREADERS				
Provision of additional spreaders (Ratio required is 2 STS : 1 Spare Spreader) This number will be confirmed per Acquisition	Twin lift	28		
Provision of test benches (One Test Bench is required terminal)	Twin lift	5		
Subtotal				

TOTAL FOR SHIP TO SHORE CRANES [A to J]

Proposed payment terms per delivery batch are as follows:

Milestone	%
Design Approval	10
Bill of lading	20
Bill of Entry	30
Commissioning and handover	40
	100

2. MOBILE HARBOR CRANES



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

The manufacture, supply, delivery, and commissioning of Mobile harbor Cranes as per Annexure 05 of the scope of works. The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Quantity	Unit Price	Total Price (Ex Vat)
A. 2025			
Richards Bay (Bulk Operations)	1		
Low density Commodity Grab (Coal)	2		
Medium density Commodity Grab (Sulphur)	2		
High density Commodity Grab (Magnetite, Hematite, Iron Ore)	2		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works	3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	3		
Mobile Harbor Cranes Subtotal	1		
B. 2027			
Cape Town Multi-Purpose Terminal (Container Operations) Crane to be supplied with standard spreader for 4-wire crane.	1		
Additional spreader	1		
Spreader test bench	1		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works	3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	3		
Mobile Harbor Cranes Subtotal	1		
C. 2028			
Richards Bay	3		
Low density Commodity Grab (Coal)	3		
Medium density Commodity Grab (Sulphur)	3		
High density Commodity Grab (Magnetite, Hematite, Iron Ore)	3		
Durban Point Multi-Purpose Terminal (Container Operations) Crane to be supplied with standard spreader for 4-wire crane.	5		
Additional spreader	2		
Spreader test bench	1		
Provision of 3 sets of special tools for Durban Point MPT as per section 2.5.4.1 of the scope of works	6 sets		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Provision of 3 industrial laptops Durban Point MPT as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	6		
Mobile Harbor Cranes Subtotal			

TOTAL MOBILE HABOUR CRANES [A to C]

Proposed payment terms per delivery batch are as follows:

Milestone	%
Design Approval	10
Bill of lading	20
Bill of Entry	30
Commissioning and handover	40
	100

3. RTG's

The manufacture, supply, delivery, and commissioning of RTG's as per Annexure 06 of the scope of works.
The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Type	Quantity	Unit Price	Total Price (Ex Vat)
A. 2024				
Cape Town Container Terminal	1+6	14		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
RTG's Subtotal		14		
B. 2025				
Cape Town Container Terminal	1+6	13		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
RTG's Subtotal		13		
C. 2026				



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Durban Container Terminal Pier 1	1+6	4		
Ngqura Container Terminal	1+7	11		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		6 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		6		
RTG's Subtotal				

D. 2027				
Ngqura Container Terminal	1+7	11		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
RTG's Subtotal		11		

E. 2029				
Ngqura Container Terminal	1+7	18		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
RTG's Subtotal		18		

F. 2031				
Durban Container Terminal Pier 1	1+6	36		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
RTG's Subtotal		36		

G. 2032				
Durban Container Terminal Pier 1	1+6	36		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

RTG's Subtotal		36	
-----------------------	--	-----------	--

H. 2033				
Ngqura Container Terminal	1+7	20		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
RTG's Subtotal		20		

I.	Provision of simulators as per 2.5.3 on the Scope of Works document. To be provided with the first delivery batch.		4		
	Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
	Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
	Simulators Subtotal		4		

J. SPREADERS				
Provision of additional spreaders (Ratio required is 8 RTG : 1 Spare Spreader) This number will be confirmed per Acquisition	Single Lift	22		
Provision of test benches (One Test Bench is required terminal)	Single Lift	3		
Subtotal				

TOTAL RTG's [A to J]

Proposed payment terms per delivery batch are as follows:

Milestone	%
Design Approval	10
Bill of lading	20
Bill of Entry	30
Commissioning and handover	40



4. RMG's

The manufacture, supply, delivery, and commissioning of RMG's as per Annexure 07 of the scope of works. The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Quantity	Unit Price	Total Price (Ex Vat)
A. 2024			
Durban Container Terminal Pier 2	2		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works	3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	3		
RMG Subtotal	2		
B. 2025			
Durban Container Terminal Pier 1	1		
Provision of 3 sets of special tools as per section 2.5.4.1 of the scope of works	3 sets		
Provision of 3 industrial laptops as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	3		
RMG Subtotal	1		
C. 2030			
Durban Container Terminal Pier 1	2		
Ngqura Container Terminal	2		
Provision of 3 sets of special tools for Ngqura Container Terminal as per section 2.5.4.1 of the scope of works	6 sets		
Provision of 3 industrial laptops for Ngqura	6		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Container Terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.			
RMG Subtotal	4		

D.

2032			
Durban Container Terminal Pier 1	3		
Provision of 3 sets of special tools as per section 2.5.4.1 of the scope of works	3 sets		
Provision of 3 industrial laptops as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	3		
RMG Subtotal	3		

F.

Provision of simulators as per 2.5.3 on the Scope of Works document. To be provided with the first delivery batch.	4		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works	3 sets		
Provision of 3 industrial laptops per terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	3		
Simulators Subtotal	4		

G.

SPREADERS			
Provision of additional spreaders (One Spare Spreader required per Terminal) This number will be confirmed per Acquisition	Twin lift	3	



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Provision of test benches (One Test Bench is required terminal)	Twin lift	3	
Subtotal			

TOTAL RMG's [A to G]

Proposed payment terms per delivery batch are as follows:

Milestone	%
Design Approval	10
Bill of lading	20
Bill of Entry	30
Commissioning and handover	40
	100

5. STRADDLE CARRIERS

The manufacture, supply, delivery, and commissioning of Straddle Carries as per Annexure 08 of the scope of works. The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Type	Quantity	Unit Price	Total Price (Ex Vat)
A. 2023				
East London	3 high	4		
Provision of 3 sets of special tools as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
Straddles Subtotal		4		
B. 2024				
Durban Container Terminal Pier 2	4 high	8		
Provision of 3 sets of special tools as per section		3 sets		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

2.5.4.1 of the scope of works				
Provision of 3 industrial laptops as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
Straddles Subtotal		8		

C. 2025				
Durban Container Terminal Pier 2	4 high	12		
Port Elizabeth Container Terminal	3 high	2		
Cape Town Multi-Purpose Terminal	4 high	4		
Provision of 3 sets of special tools for Port Elizabeth Container Terminal and Cape Town MPT as per section 2.5.4.1 of the scope of works		9 sets		
Provision of 3 industrial laptops for Port Elizabeth Container Terminal and Cape Town MPT as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		9		
Straddles Subtotal		18		

D. 2026	Type	Quantity	Unit Price	Total Price (Ex Vat)
Durban Container Terminal Pier 2	4 high	2		
Provision of 3 sets of special tools for Port Elizabeth Container Terminal and Cape Town MPT as per section 2.5.4.1 of the scope of works		3 sets		
Provision of 3 industrial laptops for Port Elizabeth Container Terminal and Cape Town MPT as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		3		
Straddles Subtotal		2		

E. 2027				
Durban Container Terminal Pier 2	4 high	8		
Port Elizabeth Container Terminal	3 high	5		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Provision of 3 sets of special tools for Port Elizabeth Container Terminal and Cape Town MPT as per section 2.5.4.1 of the scope of works		6 sets		
Provision of 3 industrial laptops for Port Elizabeth Container Terminal and Cape Town MPT as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		6		
Straddles Subtotal		13		

F.

2029				
Durban Container Terminal Pier 2	4 high	17		
Port Elizabeth Container Terminal	3 high	1		
Provision of 3 sets of special tools for Port Elizabeth Container Terminal and Cape Town MPT as per section 2.5.4.1 of the scope of works		6 sets		
Provision of 3 industrial laptops for Port Elizabeth Container Terminal and Cape Town MPT as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		6		
Straddles Subtotal		18		

G.

2030				
Durban Container Terminal Pier 2	4 high	23		
East London	3 high	4		
Cape Town Container Terminal	4 high	4		
Provision of 3 sets of special tools for Cape Town Container Terminal as per section 2.5.4.1 of the scope of works		9 sets		
Provision of 3 industrial laptops for Cape Town Container Terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		9		
Straddles Subtotal		31		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

H.	2031			
	Durban Container Terminal Pier 2	4 high	22	
	Cape Town Multi-Purpose Terminal	4 high	4	
	Provision of 3 sets of special tools for Cape Town Container Terminal as per section 2.5.4.1 of the scope of works		6 sets	
	Provision of 3 industrial laptops for Cape Town Container Terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.		6	
	Straddles Subtotal		26	

I.	Provision of simulators as per 2.5.3 on the Scope of Works document. To be provided with the first delivery batch.	4		
	Provision of 3 sets of special tools for Cape Town Container Terminal as per section 2.5.4.1 of the scope of works	3 sets		
	Provision of 3 industrial laptops for Cape Town Container Terminal as per section 2.5.4.2 and 2.5.4.3 of the scope of works.	3		
	Straddles Subtotal	4		

**TOTAL STRADDLE
CARRIES [A to I]**

Proposed payment terms per delivery batch are as follows:

Milestone	%
Design Approval	10
Bill of lading	20
Bill of Entry	30
Commissioning and handover	40
	100

6. HAULERS



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

The manufacture, supply, delivery, and commissioning of haulers as per Annexure 09 & 10 of the scope of works. The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Type	Quantity	Unit Price	Total Price (Ex Vat)
A. 2023				
Durban Container Terminal Pier 1	4X2	10		
Durban Point Multi-Purpose Terminal	4X4	19		
Cape Town Multi-Purpose Terminal	4X2	14		
Saldanha Multi-Purpose Terminal	4X2	4		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		12 sets		
Haulers Subtotal		47		
B. 2024				
Durban Container Terminal Pier 2	4X2	10		
Richards Bay Multi-Purpose Terminal	4X2	74		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		6 sets		
Haulers Subtotal		84		
C. 2025				
Nggura Container Terminal	4X2	48		
Port Elizabeth Container Terminal	4X2	6		
Port Elizabeth Multi-Purpose Terminal	4X2	10		
Cape Town Container Terminal	4X2	25		
Saldanha Multi-Purpose Terminal	4X2	4		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		15 sets		
Haulers Subtotal		93		
D. 2026				
Durban Container Terminal Pier 2	4X2	6		
Durban Container Terminal Pier 1	4X2	14		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		6 sets		
Haulers Subtotal		20		
E. 2027				
Durban Container Terminal Pier 2	4X2	29		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Saldanha Multi-Purpose Terminal	4X2	4		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		6 sets		
Haulers Subtotal		33		

F. 2028				
Durban Container Terminal Pier 1	4X2	18		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Haulers Subtotal		18		

G. 2031				
Durban Container Terminal Pier 1	4X2	70		
Durban Point Multi-Purpose Terminal	4X4	7		
Durban Maydon Wharf	4X2	14		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		9 sets		
Haulers Subtotal		91		

H. 2032				
Durban Container Terminal Pier 1	4X2	70		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		3 sets		
Haulers Subtotal		70		

I. 2033				
Cape Town Container Terminal	4X2	30		
Saldanha Multi-Purpose Terminal	4X2	4		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works		6 sets		
Haulers Subtotal		34		

TOTAL HAULERS [A to I]

Proposed payment terms: 100% payment on delivery

7. REACH STACKERS



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

The manufacture, supply, delivery, and commissioning of reach stackers as per Annexure 17 of the scope of works. The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Quantity	Unit Price	Total Price (Ex Vat)
A. 2023			
Durban Container Terminal Pier 2	2		
Cape Town Container Terminal	2		
Cape Town Multi-Purpose Terminal	3		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works	9 sets		
Reach Stacker Subtotal	7		
B. 2024			
Durban Container Terminal Pier 1	1		
Ngqura Container Terminal	2		
Durban Point Multi-Purpose Terminal	2		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works	9 sets		
Reach Stacker Subtotal	5		
C. 2026			
Richards Bay Multi-Purpose Terminal	2		
Cape Town Multi-Purpose Terminal	1		
Provision of 3 sets of special tools for Richards Bay Multi-Purpose Terminal as per section 2.5.4.1 of the scope of works	6 sets		
Reach Stacker Subtotal	3		
D. 2027			
Durban Container Terminal Pier 2	1		
Durban Container Terminal Pier 1	2		
Richards Bay Multi-Purpose Terminal	1		
Provision of 3 sets of special tools for Richards Bay Multi-Purpose Terminal as per section 2.5.4.1 of the scope of works	9 sets		
Reach Stacker Subtotal	4		
E. 2030			
Durban Point Multi-Purpose Terminal	7		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUSITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Provision of 3 sets of special tools for Richards Bay Multi-Purpose Terminal as per section 2.5.4.1 of the scope of works	3 sets		
Reach Stacker Subtotal	7		

F. 2031			
Durban Container Terminal Pier 1	2		
Provision of 3 sets of special tools for Richards Bay Multi-Purpose Terminal as per section 2.5.4.1 of the scope of works	3 sets		
Reach Stacker Subtotal	2		

G. 2032			
Durban Container Terminal Pier 1	2		
Durban Point Multi-Purpose Terminal	5		
Provision of 3 sets of special tools for Richards Bay Multi-Purpose Terminal as per section 2.5.4.1 of the scope of works	6 sets		
Reach Stacker Subtotal	7		

TOTAL REACH STACKERS [A to G]

Proposed payment terms: 100% payment on delivery

8. EMPTY CONTAINER HANDLER

The manufacture, supply, delivery, and commissioning of Empty Container Handlers as per Annexure 18 of the scope of works. The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Quantity	Unit Price	Total Price (Ex Vat)
A. 2023			
Nggura Container Terminal	2		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works	3 sets		
ECH Subtotal	2		
B. 2024			
Nggura Container Terminal	2		
Provision of 3 sets of special tools per terminal as per section 2.5.4.1 of the scope of works	3 sets		
ECH Subtotal	2		
C. 2025			
Nggura Container Terminal	3		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Cape Town Container Terminal	4		
Provision of 3 sets of special tools for Cape Town Container Terminal as per section 2.5.4.1 of the scope of works	3 sets		
ECH Subtotal	3		

D. 2029			
Durban Container Terminal Pier 2	6		
Durban Container Terminal Pier 1	4		
Provision of 3 sets of special tools per Terminal as per section 2.5.4.1 of the scope of works	6 sets		
ECH Subtotal	6		

E. 2031			
Durban Container Terminal Pier 1	4		
Provision of 3 sets of special tools per Terminal as per section 2.5.4.1 of the scope of works	3 sets		
ECH Subtotal	4		

F. 2032			
Durban Container Terminal Pier 1	4		
Provision of 3 sets of special tools per Terminal as per section 2.5.4.1 of the scope of works	3 sets		
ECH Subtotal	4		

TOTAL ECH [A to I]

Proposed payment terms: 100% payment on delivery

9. FORKLIFTS

The manufacture, supply, delivery, and commissioning of haulers as per Annexure 19 of the scope of works. The Contractor's price must take the requirements stated in section 2.3 of the scope of works into account.

	Quantity	Unit Price	Total Price (Ex Vat)
A. 2023			
Richards Bay Multi-Purpose Terminal			
42 ton	2		
32 ton	3		
18 ton	10		
8 ton	10		
Cape Town Multi-Purpose Terminal			
18 ton	1		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

45 ton	1		
Provision of 3 sets of special tools per Terminal as per section 2.5.4.1 of the scope of works	6 sets		
Forklifts Subtotal	25		

B. 2024			
Richards Bay			
42 ton	3		
32 ton	3		
18 ton	10		
8 ton	10		
Durban Point Multi-Purpose Terminal			
5 ton	2		
DBN Maydon Wharf			
5 ton	2		
Port Elizabeth Container Terminal			
5 ton	3		
Cape Town Multi-Purpose Terminal			
5 ton	13		
13 ton	1		
Saldanha Multi-Purpose Terminal			
42 ton	1		
32 ton	1		
Provision of 3 sets of special tools per Terminal as per section 2.5.4.1 of the scope of works	18 sets		
Forklifts Subtotal	49		

C. 2025			
Nggura Container Terminal			
5 ton	4		
Port Elizabeth Multi-Purpose Terminal			
8 ton	6		
Cape Town Container Terminal			
5 ton	3		
8 ton	1		
Saldanha Multi-Purpose Terminal			
32 ton	2		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Provision of 3 sets of special tools per Terminal as per section 2.5.4.1 of the scope of works	12 sets		
Forklifts Subtotal	16		

D. 2026			
East London Multi-Purpose Terminal			
8 ton	2		
Cape Town Container Terminal			
5 ton	4		
Cape Town Multi-Purpose Terminal			
32 ton	1		
Saldanha Multi-Purpose Terminal			
32 ton	7		
Provision of 3 sets of special tools for East London Multi- Purpose Terminal as per section 2.5.4.1 of the scope of works	3 Sets		
Forklifts Subtotal	12		

E. 2029			
Saldanha Multi-Purpose Terminal			
18 ton	2		
Provision of 3 sets of special tools for East London Multi- Purpose Terminal as per section 2.5.4.1 of the scope of works	3 Sets		
Forklifts Subtotal	12		

TOTAL FORKLIFTS [A to E]

Proposed payment terms: 100% payment on delivery

10.

EQUIPMENT MODELS

Provision of scaled models of the different equipment to be supplied as part of this acquisition as per section 2.2 of the scope of works			
	Quantity	Unit Price	Total Price (Ex Vat)
STS Cranes	10		
Mobile Cranes	10		
RTG's	20		
RMG's	10		
Straddle Carriers	30		
Haulers	30		
Reach Stackers	10		
Empty Container Handlers	10		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Forklifts (Large)	10		
Forklifts (Small)			

TOTAL EQUIPMENT MODELS

Proposed payment terms: 100% payment on delivery

TOTAL PRICE (Ex Vat) TO BE CARRIED TO THE FORM OF OFFER [1 to 10]**OPTIONS****1. REACH STACKERS**

Provision of 3 industrial laptops per Terminal listed below as per section 2.5.4.2 and 2.5.4.3 of the scope of works.

	Quantity	Unit Price	Total Price (Ex Vat)
A. 23/24			
Durban Container Terminal Pier 2	3 sets		
Cape Town Container Terminal	3 sets		
Cape Town Multi-Purpose Terminal	3 sets		
Reach Stacker Subtotal			
B. 24/25			
Durban Container Terminal Pier 1	3 sets		
Ngqura Container Terminal	3 sets		
Durban Point Multi-Purpose Terminal	3 sets		
Reach Stacker Subtotal			
C. 26/27			
Richards Bay Multi-Purpose Terminal	3 sets		
Reach Stacker Subtotal			

TOTAL OPTIONS PRICE**Rates table****1. SHIP TO SHORE CRANE**



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

1. 1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			
32/33			
33/34			

1.2 Technical Support	
	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

2. MOBILE HABOUR CRANES

2. 1 Training & accreditation			
	Rate per trainee		



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			
32/33			
33/34			

2.2 Technical Support	
	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

3. RTG's

3.1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			
32/33			
33/34			

3.2 Technical Support	
	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

4. RMG'S

4.1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

27/28			
28/29			
29/30			
30/31			
31/32			
32/33			
33/34			

4.2 Technical Support	
	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

5. STRADDLE CARRIERS

5.1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

32/33			
33/34			

5.2 Technical Support	
	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

6. HAULERS

6.1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

32/33			
33/34			

6.2 Technical Support	
	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

7. REACH STACKERS

7.1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			
32/33			
33/34			



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

7.2 Technical Support	
	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

8. EMPTY CONTAINER HANDLER

8.1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			
32/33			
33/34			

8.2 Technical Support	



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

9. FORKLIFTS

9.1 Large Forklifts

9.1.1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			
32/33			
33/34			

9.1.2 Technical Support	
--	--



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

	Rate per Technician per hour
23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	

9.2 Small Forklifts

9.2.1 Training & accreditation			
	Rate per trainee		
	Train the Trainer: For Operators	Level 1: Normal Maintenance	Level 2: Super specialist
23/24			
24/25			
25/26			
26/27			
27/28			
28/29			
29/30			
30/31			
31/32			
32/33			
33/34			

9.2.2 Technical Support	
	Rate per Technician per hour



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (ACQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

23/24	
24/25	
25/26	
26/27	
27/28	
28/29	
29/30	
30/31	
31/32	
32/33	
33/34	



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

10. Technician Rates											
Annual Rates											
	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34
STS Cranes											
Mobile Cranes											
RTG's											
RMG's											
Straddle Carriers											
Haulers											
Reach Stackers											
Empty Container Handlers											
Forklifts Large											
Forklifts Small											



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

11. Lifecycle Management	Rate per annual audit										
	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34
STS Cranes											
Mobile Cranes											
RTG's											
RMG's											
Straddle Carriers											
Haulers											
Reach Stackers											
Empty Container Handlers											
Forklifts Large											
Forklifts Small											

12. Simulator Lease Rate (Full maintenance and Operational Support)	Rate per annum per simulator										
	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34
STS Cranes											
RTG's											
RMG's											
Straddle Carriers											



13. The Tenderers are required to state the Original Part Manufacturer (OPM) of each Component / Spare part as installed as per the original design. In addition, the Tenderers are requested to provide two (2) alternate OPM's for that particular Component /Spare part. The OPM 1 as listed in the table is as per original design. OPM 2 and OPM 3 are the alternative suppliers. The Tenderers are requested to utilize the table below as a guideline. This form of standardization is required in order to streamline TPT's processes and reduce warehousing, logistics and training costs. TPT may request, where practical and applicable, that the Tenderer utilizes either of the alternate suppliers as part of their original design.

Table: Original Part Manufactures of components on existing TPT fleet.

Item Description	Main OPM's in our Terminals
PLC	Siemens, Alan Bradley
Drives - VFDs / VSDs	Siemens, Yaskawa, WEG
Switch Gear	Siemens, Actom, ABB
Motors	WEG, Siemens
Engines	Cummins, Volvo
Gearboxes	Flender, Falke, David Brown, Bonfiglioli
Transformers	Power Transformers
Complete E-house	Siemens, ABB
Energy chain	Igus
Equipment control system	Siemens, Danfoss (ABB)
SCADA system	Schneider, Wonderware, Siemens WinCC Flex
PLC software	Siemens, Alan Bradley
Protection Relays	ABB, Siemens, Schneider

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Trailing Cable	Powermite
HMI's	Siemens, Alan Bradley
Bearings	SKF, FAG Timken, Cooper-
Brakes	Pintsch Bubenzer, Bremsen, SimeStromag, Binder
Buffers	OLEO
Encoders	Hubner
Man-lifts	Alimak
Load cells	Brosa
Anti-Collision sensors	SICK
Crane Operator Cabin	Brieda, Merford
Crane Automation Technology	ABB, Siemens, Cathay Nebula
Crane monitoring and Diagnostic System - components & software	Siemens, ABB / Danfoss
Condition monitoring and predictive maintenance system - components & software	Siemens

13.1 Ship to Shore Cranes

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Hoist gearbox									
2	Hoist motor									
3	Hoist coupling									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

4	Hoist service brake with pads									
5	Hoist E-brake with pads									
6	Hoist sheave and pin									
7	Trolley sheave and pin									
8	Head block sheave and pin									
9	Boom service brake with pads									
10	Boom E-brake with pads									
11	Trolley motor									
12	Trolley gearbox									
13	Trolley brake									
14	Trolley wheel and shaft									
15	Gantry gearbox									
16	Gantry motor									
17	Gantry bogie									
18	Gantry brake									
19	Storm brake									
20	Storm brake hydraulic unit									
21	TLS electro-valves									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

22	TLS cylinder									
23	PLC CPU									
24	PLC power supply									
25	PLC input card									
26	PLC output card									
27	PLC analogue output									
28	PLC analogue output									
29	Trolley joystick									
30	Hoist/gantry joystick									
31	TLS joystick									
32	Load cell +monitoring unit									
33	Anemometer									
34	HMI for operation cabin									
35	Backup hard drive with software for main PLC and SCADA									
36	HT cable									
37	Cable reel motor +brake + coupling									
38	Cable reel VSD									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

39	Hoist wire rope RHL									
40	Hoist wire rope LHL									
41	Spreader centre cable +plugs									
42	Aux trolley rope wire front									
43	Aux trolley rope wire rear									
44	Aux trolley wheel									
45	PLC Inputs (Active Front End)									
46	PLC Output (Active Front End)									
47	Income supply unit complete									
48	Hoist Drives									
49	Trolley Drive									
50	Gantry Drive									
51	Boom Drive									
52	Long travel buffer									
53	Trolley buffer									
54	Boom main contractor									
55	Trolley main contractor									
56	Hoist main contractor									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

57	Gantry main contractor									
58	Energy chain (select parts)									
59	Wind speed meter									

13.2 Rail Mounted Gantry Cranes

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Hoist motor									
2	Hoist gearbox									
3	Hoist input couplings									
4	Hoist output couplings									
5	Spider inserts for couplings									
6	Hoist brake complete									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

7	Hoist brake pads									
8	Hoist brake disc									
9	Hoist emergency brake									
10	Hoist emergency brake pads									
11	Hoist emergency brake power pack									
12	Hoist sheaves									
13	Hoist load cells									
14	Hoist encoder with couplings									
15	Hoist wire ropes (left)									
16	Hoist wire ropes (right)									
17	Hoist motor module									
18	Active line module (ALM)									
19	Active Infeed Module (AIM)									
20	Trolley motor									
21	Trolley gearbox									
22	Trolley coupling with spider inserts									



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

23	Trolley brake complete									
24	Wind speed meter									

13.3

Rubber Tired Gantry Cranes

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Anti-collision sensor									
3	Height indication sensor									
4	Proximity sensors									
5	Limit switch									
6	Hoist encoder									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

7	Trolley encoder									
8	Gantry encoder									
9	Anti-sway encoder									
10	Side shift Motor									
11	Telescopic Motor									
12	Twist lock motor									
13	Alternator									
14	Starter									
15	Turbo									
16	Supply Fuses									
17	Engine belt									
18	Emergency brake									
19	Hoist brake									
20	Hoist controller									
21	Trolley controller									
22	Hoist drive									
23	Gantry drive									
24	Trolley drive									
25	PLC input cards									
26	PLC output cards									



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

27	Profibus connector									
28	Interface modules									
29	PLC Supply module									
30	PLC CPU									
31	Cam switch									
32	Can units									
33	Anemometer set / Ultra sound									

13.4

Straddle Carriers

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Generator									
3	Variable Speed Drives (Hoist)									
4	Variable Speed Drives (Travel)									
5	Hoist Motor									
6	Drive (Travel) Motors									
7	Auxiliary inverters									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

8	AC- DC converters (from generator to DC bus)									
9	Hydraulic power pack (pump + motor)									
10	Main hydraulic manifold									
11	Brake manifold									
12	Steering / brake pumps (if different from hydraulic power pack)									
13	Drive Hubs									
14	Freewheel (Non- Drive) Hubs									
15	Turbo									
16	Steering arm sets									
17	Spreader valve blocks									
18	Spreader extension rams									
19	Side shift rams/ cylinder									
20	Pantographs (Hose bridge connecting top frame to spreader)									
21	Encoder hoist/ drive									
22	PLC units									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

23	PLC / Cabin screens									
24	Sheaves									
25	Wheel rims									
26	Load cells									
27	Cabin air conditioner unit									
28	Load skates/ spreader claws									
29	Full set (complete) spreader									
30	Ground control unit (Handheld unit to view and rectify errors from the bottom of the machine, with override/bypass functions for technical)									
31	Multi-function seat									
32	Full cabin set (Complete spare replacement cabin)									
33	Shuttle beams (Yoke beams)									
34	Brake resistor									
35	Full service kit for 500 hours									
36	Full service kit for 1000 hours									



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

37	Full service kit for 2000 hours									

13.5

Mobile Harbor Cranes

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Intermediate gear box									
3	Boom cylinder									
4	Boom cylinder bearing and pin									
5	Boom cylinder manifold block									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

6	Engine cooler									
7	Sheaves									
8	Generator									
9	Hose set power pack CPL									
10	Electric motor									
11	Auxiliary pump									
12	Slew gearbox									
13	Slewing pump									
14	Variable displacement motor									
15	V-pump Type 1									
16	V-pump Type 2									
17	V-pump Type 3									
18	V-pump Type 4									
19	Oil motor no									
20	V-motor									
21	Diesel motor									
22	Hydraulic pump cooling system									
23	Gear pump									
24	Oil motor									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

25	Double V-pump									
26	Directional control valve									
27	Winch Planetary gear box									
28	Wheel set cylinder									
29	Out rigging cylinder									
30	Multi-disc brakes Type 1									
31	Multi-disc brakes Type 2									
32	Hydraulic motor cooling system									
33	Engine turbo									
34	Engine cylinder head									
35	Electric motor									
36	Three phase current generator									
37	Engine starter									
38	Directional control valves									
39	Rims and tyres									
40	Ropes									
41	Can module Type 1									
42	Can module Type 2									



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

43	Can module Type 3									
44	Can module Type 4									
45	Can module Type 5									
46	Can module Type 6									
47	Can module Type 7									
48	Can module Type 8									
49	Can module Type 9									
50	Can module Type 10									
51	Can module Type 11									
52	Can module Type 12									
53	PLC / Cabin screens									
54	Full service kit for 500 hours									
55	Full service kit for 1000 hours									
56	Full service kit for 2000 hours									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

--	--	--	--	--	--	--	--	--	--	--

13.6

Reach Stackers

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Steering cylinder									
2	Side shift cylinder									
3	Tilting cylinder									
4	Twist lock cylinder									
5	Slew gear hydraulic motor									
6	Main hydraulic pump									
7	Spreader telescopic chain									
8	Joystick									
9	Boom energy chain									
10	Wiper motor front									
11	Wiper motor top									
12	Starter motor									
13	Alternator									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

14	Engine complete									
15	Gearbox complete									
16	Air filter									
17	Engine oil filter									
18	Fuel filter									
19	Hydraulic oil filter									
20	Dashboard display unit									
21	Reverse camera									
22	Reverse camera screen									
23	Operator seat									
24	Accelerator pedal unit									
25	Brake pedal unit									
26	Service kit – 500 hour									
27	Service kit – 1000 hour									
28	Service kit – 2000 hour									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

13.7

Empty Container Handler

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Engine control module									
3	Water pump									
4	Alternator									
5	Starter motor									
6	Compressor									
7	Turbocharger									
8	Radiator									
9	Fan									
10	Fuel pump									
11	Oil pump									
12	Hydraulic pump									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

13	Transmission									
14	Transmission control module									
15	Hydraulic oil cooler									
16	Transmission oil cooler									
17	Steering cylinder									
18	Side shift cylinder									
19	Wheel hub									
20	Spreader proximity sensors									
21	Twist lock tongue cylinder									
22	Oil temperature sensor									
23	Coolant temperature sensor									
24	Oil pressure sensor									
25	Fuel pressure sensor									
26	Brake pump									
27	Wiper									
28	Wiper motor									
29	Seat									
30	Armrest									
31	Joystick									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

32	Brake pedal									
33	Accelerator pedal									
34	Cabin control unit									
35	Spreader master unit									
36	Spreader slave unit									
37	Hooter									
38	Cabin display unit									
39	Steering potentiometer									
40	Door handle									
41	Wheel studs									
42	Service kit – 500 hour									
43	Service kit – 1000 hour									
44	Service kit – 2000 hour									

13.8

Forklifts 45 ton

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Engine control module									
3	Water pump									
4	Alternator									
5	Starter motor									
6	Compressor									
7	Injectors									
8	Radiator									
9	Fan									
10	Fuel pump									
11	Oil pump									
12	Hydraulic pump									
13	Transmission									
14	Transmission control module									
15	Hydraulic oil cooler									
16	Transmission oil cooler									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

17	Steering cylinder									
18	Side shift cylinder									
19	Wheel hub									
20	Hydraulic valves									
21	Brake Drums									
22	Oil temperature sensor									
23	Coolant temperature sensor									
24	Oil pressure sensor									
25	Fuel pressure sensor									
26	Brake cylinder									
27	Wiper									
28	Wiper motor									
29	Seat									
30	Armrest									
31	Joystick									
32	Brake pedal									
33	Accelerator pedal									
34	Lift cylinder									
35	Tilt cylinder									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

36	Brake shoes									
37	Hooter									
38	Cabin display unit									
39	Filters									
40	Door handle									
41	Wheel studs									
42	Torque converter									
43	Propeller shaft									
44	Service kit – 500 hour									
45	Service kit – 1000 hour									
46	Service kit – 2000 hour									
47	Forks									
48	Hydraulics pipes									
49	Mast									
50	Mast bearings									
51	Gear selector									
52	Axle									
53	Disk brakes									
54	Diff assemble									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

55	Brake oil dip stick									
56	Brake calliper									
57	Accumulator									
58	Wheel studs									
59	Turbo charger									
60	Hydraulic valve bank									

13.9 Forklifts (42 tons)

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Engine control module									
3	Water pump									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

4	Alternator									
5	Starter motor									
6	Compressor									
7	Injectors									
8	Radiator									
9	Fan									
10	Fuel pump									
11	Oil pump									
12	Hydraulic pump									
13	Transmission									
14	Transmission control module									
15	Hydraulic oil cooler									
16	Transmission oil cooler									
17	Steering cylinder									
18	Side shift cylinder									
19	Wheel hub									
20	Hydraulic valves									
21	Brake Drums									
22	Oil temperature sensor									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

23	Coolant temperature sensor									
24	Oil pressure sensor									
25	Fuel pressure sensor									
26	Brake cylinder									
27	Wiper									
28	Wiper motor									
29	Seat									
30	Armrest									
31	Joystick									
32	Brake pedal									
33	Accelerator pedal									
34	Lift cylinder									
35	Tilt cylinder									
36	Brake shoes									
37	Hooter									
38	Cabin display unit									
39	Filters									
40	Door handle									
41	Wheel studs									



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

42	Torque converter									
43	Propeller shaft									
44	Service kit – 500 hour									
45	Service kit – 1000 hour									
46	Service kit – 2000 hour									
47	Forks									
48	Hydraulics pipes									
49	Mast									
50	Mast bearings									
51	Gear selector									
52	Axle									
53	Disk brakes									
54	Diff assemble									
55	Brake oil dip stick									
56	Brake calliper									
57	Accumulator									
58	Wheel studs									
59	Turbo charger									
60	Hydraulic valve bank									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

13.10 Forklifts (32 tons)

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Engine control module									
3	Water pump									
4	Alternator									
5	Starter motor									
6	Compressor									
7	Injectors									
8	Radiator									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

9	Fan									
10	Fuel pump									
11	Oil pump									
12	Hydraulic pump									
13	Transmission									
14	Transmission control module									
15	Hydraulic oil cooler									
16	Transmission oil cooler									
17	Steering cylinder									
18	Side shift cylinder									
19	Wheel hub									
20	Hydraulic valves									
21	Brake Drums									
22	Oil temperature sensor									
23	Coolant temperature sensor									
24	Oil pressure sensor									
25	Fuel pressure sensor									
26	Brake cylinder									
27	Wiper									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

28	Wiper motor									
29	Seat									
30	Armrest									
31	Joystick									
32	Brake pedal									
33	Accelerator pedal									
34	Lift cylinder									
35	Tilt cylinder									
36	Brake shoes									
37	Hooter									
38	Cabin display unit									
39	Filters									
40	Door handle									
41	Wheel studs									
42	Torque converter									
43	Propeller shaft									
44	Service kit – 500 hour									
45	Service kit – 1000 hour									
46	Service kit – 2000 hour									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

47	Forks									
48	Hydraulics pipes									
49	Mast									
50	Mast bearings									
51	Gear selector									
52	Axle									
53	Disk brakes									
54	Diff assemble									
55	Brake oil dip stick									
56	Brake calliper									
57	Accumulator									
58	Wheel studs									
59	Turbo charger									
60	Hydraulic valve bank									

13.11 Forklifts (18 tons)

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Engine control module									
3	Water pump									
4	Alternator									
5	Starter motor									
6	Compressor									
7	Injectors									
8	Radiator									
9	Fan									
10	Fuel pump									
11	Oil pump									
12	Hydraulic pump									
13	Transmission									
14	Transmission control module									
15	Hydraulic oil cooler									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

16	Transmission oil cooler									
17	Steering cylinder									
18	Side shift cylinder									
19	Wheel hub									
20	Hydraulic valves									
21	Brake Drums									
22	Oil temperature sensor									
23	Coolant temperature sensor									
24	Oil pressure sensor									
25	Fuel pressure sensor									
26	Brake cylinder									
27	Wiper									
28	Wiper motor									
29	Seat									
30	Armrest									
31	Joystick									
32	Brake pedal									
33	Accelerator pedal									
34	Lift cylinder									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

35	Tilt cylinder									
36	Brake shoes									
37	Hooter									
38	Cabin display unit									
39	Filters									
40	Door handle									
41	Wheel studs									
42	Torque converter									
43	Propeller shaft									
44	Service kit – 500 hour									
45	Service kit – 1000 hour									
46	Service kit – 2000 hour									
47	Forks									
48	Hydraulics pipes									
49	Mast									
50	Mast bearings									
51	Gear selector									
52	Axle									
53	Disk brakes									



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

54	Diff assemble									
55	Brake oil dip stick									
56	Brake calliper									
57	Accumulator									
58	Wheel studs									
59	Turbo charger									
60	Hydraulic valve bank									

13.12 Forklifts (13 tons)

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

2	Engine control module									
3	Water pump									
4	Alternator									
5	Starter motor									
6	Compressor									
7	Injectors									
8	Radiator									
9	Fan									
10	Fuel pump									
11	Oil pump									
12	Hydraulic pump									
13	Transmission									
14	Transmission control module									
15	Hydraulic oil cooler									
16	Transmission oil cooler									
17	Steering cylinder									
18	Side shift cylinder									
19	Wheel hub									
20	Hydraulic valves									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

21	Brake Drums									
22	Oil temperature sensor									
23	Coolant temperature sensor									
24	Oil pressure sensor									
25	Fuel pressure sensor									
26	Brake cylinder									
27	Wiper									
28	Wiper motor									
29	Seat									
30	Armrest									
31	Joystick									
32	Brake pedal									
33	Accelerator pedal									
34	Lift cylinder									
35	Tilt cylinder									
36	Brake shoes									
37	Hooter									
38	Cabin display unit									
39	Filters									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

40	Door handle									
41	Wheel studs									
42	Torque converter									
43	Propeller shaft									
44	Service kit – 500 hour									
45	Service kit – 1000 hour									
46	Service kit – 2000 hour									
47	Forks									
48	Hydraulics pipes									
49	Mast									
50	Mast bearings									
51	Gear selector									
52	Axle									
53	Disk brakes									
54	Diff assemble									
55	Brake oil dip stick									
56	Brake calliper									
57	Accumulator									
58	Wheel studs									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

59	Turbo charger									
60	Hydraulic valve bank									

13.13 Forklifts (8 tons)

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Engine control module									
3	Water pump									
4	Alternator									
5	Starter motor									
6	Compressor									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

7	Injectors									
8	Radiator									
9	Fan									
10	Fuel pump									
11	Oil pump									
12	Hydraulic pump									
13	Transmission									
14	Transmission control module									
15	Hydraulic oil cooler									
16	Transmission oil cooler									
17	Steering cylinder									
18	Side shift cylinder									
19	Wheel hub									
20	Hydraulic valves									
21	Brake Drums									
22	Oil temperature sensor									
23	Coolant temperature sensor									
24	Oil pressure sensor									
25	Fuel pressure sensor									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

26	Brake cylinder									
27	Wiper									
28	Wiper motor									
29	Seat									
30	Armrest									
31	Joystick									
32	Brake pedal									
33	Accelerator pedal									
34	Lift cylinder									
35	Tilt cylinder									
36	Brake shoes									
37	Hooter									
38	Cabin display unit									
39	Filters									
40	Door handle									
41	Wheel studs									
42	Torque converter									
43	Propeller shaft									
44	Service kit – 500 hour									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

45	Service kit – 1000 hour									
46	Service kit – 2000 hour									
47	Forks									
48	Hydraulics pipes									
49	Mast									
50	Mast bearings									
51	Gear selector									
52	Axle									
53	Disk brakes									
54	Diff assemble									
55	Brake oil dip stick									
56	Brake calliper									
57	Accumulator									
58	Wheel studs									
59	Turbo charger									
60	Hydraulic valve bank									



TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

13.14 Forklifts (5 tons)

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Engine control module									
3	Water pump									
4	Alternator									
5	Starter motor									
6	Compressor									
7	Injectors									
8	Radiator									
9	Fan									
10	Fuel pump									
11	Oil pump									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

12	Hydraulic pump									
13	Transmission									
14	Transmission control module									
15	Hydraulic oil cooler									
16	Transmission oil cooler									
17	Steering cylinder									
18	Side shift cylinder									
19	Wheel hub									
20	Hydraulic valves									
21	Brake Drums									
22	Oil temperature sensor									
23	Coolant temperature sensor									
24	Oil pressure sensor									
25	Fuel pressure sensor									
26	Brake cylinder									
27	Wiper									
28	Wiper motor									
29	Seat									
30	Armrest									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

31	Joystick									
32	Brake pedal									
33	Accelerator pedal									
34	Lift cylinder									
35	Tilt cylinder									
36	Brake shoes									
37	Hooter									
38	Cabin display unit									
39	Filters									
40	Door handle									
41	Wheel studs									
42	Torque converter									
43	Propeller shaft									
44	Service kit – 500 hour									
45	Service kit – 1000 hour									
46	Service kit – 2000 hour									
47	Forks									
48	Hydraulics pipes									
49	Mast									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

50	Mast bearings									
51	Gear selector									
52	Axle									
53	Disk brakes									
54	Diff assemble									
55	Brake oil dip stick									
56	Brake calliper									
57	Accumulator									
58	Wheel studs									
59	Turbo charger									
60	Hydraulic valve bank									

13.15

Haulers (4x4)

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Front axle									
3	Front wheel hub									
4	HDS300 wheel reducer drive axle									
5	Transmission									
6	Roof mounted air conditioner (complete)									
1	Air pressure signal light switch									
2	Brake friction plate									
3	Brake shoe assembly (rear)									
4	Battery master switch									
5	Shock absorber									
6	Expansion box assembly									
7	Central relay									
8	Air spring (rear axle air bag)									
9	Lower friction plate									
10	Lower shoe piece									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

11	Voltage limit valve									
12	Solenoid valve									
13	Temperature sensor									
14	Fifth wheel lifting cylinder									
15	Non-signal switch lock									
16	Air spring (Cabin air bag)									
17	Supercharge intercooler									
18	Water-cooled radiator assembly									
19	Button control valve									
20	Full hydraulic steering									
21	Flash relay									
22	Offset terminal truck LED headlights									
23	LED front fog lights									
24	Wiper/flash interval controller									
25	Electric pump assembly / mechanical lock									
26	Wheel nut									
27	Circulating ball power steering									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

28	Steering oil reservoir									
29	Dry air filter blocking alarm switch									
30	7-hole trailer socket									
31	Pressure limiting valve (1.0 MPa)									
32	Wheel bolts									
33	Wheel fastening bolt									
34	Brake chamber									
35	Turbocharger									
36	Brake shoe assembly (front)									
37	Air filter outer									
38	Terminal truck front and steering light									
39	Right front steering light, anterior position light									
40	Cab locking									
41	Wiper motor									
42	Wiper arm									
43	Wiper blade									
44	Fifth wheel lifting pump									
45	Air filter inner									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

46	Fuel filter									
47	Water/fuel separator filter									
48	Diesel filter									
49	Engine oil filter									
50	Steering oil filter									
51	Saddle oil return filter element									
52	5th wheel									
53	5th wheel Control block and magnetic valve									
54	Air conditioner pump									
55	Operator seat									
56	5th wheel joystick									
57	Gear selection panel									
58	Spare wheels (rim & tyre)									
59	Air horn									
60	Cabin door									
61	Set of cabin glass (all glass)									
62	Service kit – 500 hour									
63	Service kit – 1000 hour									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

64	Service kit – 2000 hour									

13.16

Haulers (4x2)

Item #	Description	Qty	As supplied OPM 1 (Name)	Cost per unit Rands (R)	Alternate Supplier OPM 2 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)	Alternate Supplier OPM 3 (Name)	Cost per unit Rands (R)	Total Cost (Number of Units and cost to implement)
1	Engine									
2	Front axle									
3	Fifth wheel assembly									
4	HDS300 wheel reducer drive axle									
5	Transmission									
6	Air pressure signal light switch									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

7	Brake friction plate									
8	Brake shoe assembly (rear)									
9	Battery master switch									
10	Shock absorber									
11	Expansion box assembly									
12	Central relay									
13	Air spring (rear axle air bag)									
14	Lower friction plate									
15	Lower shoe piece									
16	Voltage limit valve									
17	Solenoid valve									
18	Temperature sensor									
19	Fifth wheel lifting cylinder									
20	Non-signal switch lock									
21	Air spring (Cabin air bag)									
22	Supercharge intercooler									
23	Water-cooled radiator assembly									
24	Button control valve									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

25	Full hydraulic steering									
26	Flash relay									
27	Offset terminal truck LED headlights									
28	LED front fog lights									
29	Wiper/flash interval controller									
30	Electric pump assembly / mechanical lock									
31	Wheel nut									
32	Circulating ball power steering									
33	Steering oil reservoir									
34	Dry air filter blocking alarm switch									
35	7-hole trailer socket									
36	Pressure limiting valve (1.0 MPa)									
37	Wheel bolts									
38	Wheel fastening bolt									
39	Brake chamber									
40	Turbocharger									
41	Brake shoe assembly (front)									
42	Air filter outer									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

43	Terminal truck front and steering light									
44	Right front steering light, anterior position light									
45	Cab locking									
46	Wiper motor									
47	Wiper arm									
48	Wiper blade									
49	Fifth wheel lifting pump									
50	Air filter inner									
51	Fuel filter									
52	Water/fuel separator filter									
53	Diesel filter									
54	Engine oil filter									
55	Steering oil filter									
56	Saddle oil return filter element									
57	5th wheel									
58	5th wheel Control block and magnetic valve									
59	Air conditioner pump									

TRANSNET PORT TERMINALS

TENDER NUMBER: TPT/2022/08/0688/9421/RFP

DESCRIPTION OF THE WORKS: THE DESIGN, MANUFACTURE, DELIVERY, ERECT, TESTING, COMMISSIONING AND ASSET LIFECYCLE MANAGEMENT (ALCM) SUPPORT FOR CONTAINER AND BREAKBULK HANDLING EQUIPMENT FOR A PERIOD OF 10 (TEN) YEARS (AQUISITION) AND UP TO 20 (UP TO TWENTY) YEARS (ALCM) FOR TRANSNET SOC LTD (REG.NO.1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS, (HEREINAFTER REFERRED TO AS "TPT")

60	Operator seat									
61	5th wheel joystick									
62	Gear selection panel									
63	Spare wheels (rim & tyre)									
64	Air horn									
65	Cabin door									
66	Fuel sensor									
67	Set of cabin glass (all glass)									
68	Service kit – 500 hour									
69	Service kit – 1000 hour									
70	Service kit – 2000 hour									
71	Roof mounted air conditioner (complete)									