

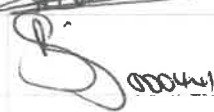
**SCOPE OF WORK FOR SUPPLY OF 12.5-TON ROUGH TERRAIN
MOBILE CRANE TO FOSKOR RBY.**

Tender no: **FTP** / /

Cost Code:

Revision :1

Revised date: 27 JUNE 2025

NAME	TITLE	EMPL. No	SIGNATURE	DATE
COMPILED – RECOMMENDATION				
Frans Majwede	Garage Supervisor	19043		25/8/25
COMPREHENSION AND ACCEPTANCE				
Gullipalli Srinivasa Rao	Maintenance Engineer	504804		25/08/2025
APPROVAL TO PROCEED				
Sifiso R Majola	Senior Manager Maintenance	15480		26/08/2025
Charles Mavuso	Senior Manager: SHREQ	504688		26/08/2025
Sam Mbuyazi	General Manager, Acid Division	500441		27/08/2025

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Section A: INVITE AND TENDER INSTRUCTIONS

A.1 Invitation to tender

A.1.1 Tenderers are invited to submit a tender in accordance with this Tender Document.

The Works consist of **SUPPLYING A 12.5-ton MOBILE CRANE TO FOSKOR RBY.**

The tender Instructions are to be found in **Section A.**

The Contract Works Forms of Tender are stipulated in **Section B.**

The detailed Scope of Work and Specifications are to be found in **Section C.**

Technical Evaluation Criteria **Section D**

A.1.2 At the time of tendering, any queries and/or doubts within the scope, specifications, or drawings shall be referred to:

Designation

For the attention of

Telephone

Fax

Cell no

Email

A.2 Return of Tender Documents

A.2.1 One copy of this document, duly completed and signed by the Tenderer, shall be delivered in a plain sealed envelope, distinctly marked as follows:

TENDER		
Tender No.	FTP / /	The Manager of Procurement
		FOSKOR LIMITED
Contract Title:	THE SUPPLY OF NEW 12.5-TON ROUGH TERRAIN MOBILE CRANE	21 John Ross Parkway Richards Bay

Closing Date & Time:

A.2.2 Tenders shall be placed in the **Tender Box at Foskop Richards Bay Main Administration Reception** no later than **12h00 noon** On the closing date.

A.2.3 A tender sent by fax shall not be accepted.

- In case of Tenderers not being local, and not being in a position to hand deliver tender documents to the above-mentioned location, Tenderers may use an approved document courier to deliver the tender document to Foskop (Pty) Ltd. This would be subject to auditable proof of dispatch from the Courier Company (including time and date of dispatch).
- Such proof shall be faxed and confirmed as addressed to Procurement Manager: Tenders and Contracts, FOSKOR (PTY) LTD, 21 John Ross Parkway, Richards Bay, facsimile number as indicated under item A.1.2 before the closing time and date of the tender.
- Foskop shall take no responsibility for lost courier documents – before opening of tenders - and the onus rests on the Tenderer to keep a duplicate of the Tender Submission.
- In this case, the sealed envelope shall remain addressed as per paragraph A.2.1, and shall be placed in a sealed courier bag with the following street address delivery instructions:

FOSKOR (PTY) LIMITED - (TENDER BOX)
21 John Ross Parkway
Richards Bay
3900

A.2.4 Tenders will not be opened in public, and under no circumstances will the price(s) at which any Contract was awarded be divulged to any person.

A.3 Site Inspection

An official Site inspection shall be held at the **Foskop, Richards Bay Site** for the Tenderer to fully acquaint himself with the prevailing site and works conditions. In doing so, you are to ensure that you fully understand the context and extent of the works (refer to B.5 – Site Inspection Certificate).

Date of Site Visit

Time of Site Visit

Meeting Venue

From: To:

Report at the Main Security Entrance

Please wear the following protective clothing:

Overalls (Acid Proof),
Hard Hat
Safety Shoes
Safety Glasses
Hearing protection

Yes

Yes

Yes

Yes

Yes

Gloves
Gas respirator

Yes
Yes

IMPORTANT

- Please note that a Safety Induction is **MANDATORY** and all Tenderers are to allow for at least **30 minutes** before the Site Meeting starts, to complete the induction.
- The Site Visit / Inspection is **NOT COMPULSORY**.

A.4 Examination and Completion of Documents

- A.4.1 The Tenderer shall examine all documents forming part of the Tender and submit their tender accordingly. All drawings, addendums, annexures received with the Tender documents must be returned with your company stamp and/or signature, as a comprehensive part of your Tender Submission. Failure to do so may result in disqualification from the tender.

Tender in accordance with this format and submit documents as specified below.

- A.4.2 The Sections of this document shall not be separated in any way, nor shall any pages be detached therefrom.
- A.4.3 The Tenderer's submission is to include all Financial and Contractual details and be signed (by an authorized person) and/or company-stamped together with the tender submission.
- A.4.3.1 Schedule of rates of Costs in detailed Breakdown or Labour Rates for the Works or Breakdown per Bill of Quantities
- A.4.3.2 Initial Project Program of Works, Work Methodology, and Cash Flow (structured similarly to payment terms)
- A.4.3.3 Schedule of Key Personnel on the Project
- A.4.3.4 Schedule of Similar Contracts Undertaken
- A.4.3.5 Site Inspection Certificate – signed by Tenderer as proof of attendance

A.5 Contract Documents Priority

The eventual Contract shall comprise the documents as stated in this tender document, your Tender submission by which you agree, and the Foskor (Pty) Ltd Terms and Conditions, which shall be interpreted in accordance with the order of priority stated in the said Conditions.

A.6 Alterations by Tenderer

- A.6.1 Should the Tenderer propose any departures or modifications from the Conditions of Supply, Specifications, or to qualify their tender in any way, he/she shall set out his/her proposals clearly in the covering letter attached to this Tender with reference to the particular section of the document, failing which the tender will be deemed to be unqualified. Any proposed technical

departures from Foskop (Pty) Ltd.'s Requirements or Specifications shall only be considered if submitted in writing, together with a detailed motivation for such departures.

A.6.2 The Tenderer shall include in respect of each proposed alteration the following:

- a) Reason for proposed exception.
- b) Suggested rewording.
- c) Any effect on the tender price.
- c) Any effect on the execution of the scope of supply.
- d) Any effect on Foskop's overall program objectives.

If any of the above information is not supplied, the Tender may be regarded as non-compliant.

A.7 General

- A.7.1 Foskop (Pty) Ltd reserves the right to adjust arithmetical or obvious errors in the Tender. Such adjustments made by Foskop (Pty) Ltd will be communicated to the Tenderer before the acceptance of their Tender.
- A.7.2 The Tenderer (whether his Tender is accepted or not) shall treat the details of the Tender as private and confidential, and no copies shall be made thereof without the permission of Foskop (Pty) Ltd.
- A.7.3 Foskop (Pty) Ltd is not bound to accept the lowest or any other Tender it may receive, nor to assign a reason for the rejection or acceptance of any Tender, and Foskop (Pty) Ltd has the right, after Tenders are opened, and before a Contract is awarded, to enter into negotiations and discussions with one or more Tenderers short-listed on a price, programmed or technical basis, with a view to the clarification, improvement or amendment of any particular Tender.
- A.7.4 All Tenderers tender at their own risk and Foskop (Pty) Ltd is not bound to accept any Tender and under no circumstances whatsoever will be responsible for any costs incurred by any Tenderer in compiling or submitting the tender.
- A.7.5 Furthermore, Foskop reserves the right to accept only a part of the Tender, with due communication and agreement of the Tenderer.
- A.7.6 The Tenderer is required to submit a 'bona fide' Tender, intended to be competitive and not to fix or adjust the amount of the Tender by or under or in accordance with any agreement or arrangement with any third party. The Tenderer is also obliged to ensure that it has not and will not at any time before the hour and date for the lodging of this Tender do any of the following acts:
 - a) Communicate to any person the amount or approximate amount of the proposed Tender, except where the disclosure, in confidence, of the amount of this Tender was necessary for the preparation of the Tender.
 - b) Enter into any agreement or arrangement with any third party that shall disqualify Foskop from or that Foskop shall refrain from using.
 - c) Commit any act or omission that would be contrary to the Maintenance and Promotion of Competition Act 96 of 1979 and notices and regulations published in terms of that Act,

Section B: FORMS OF TENDER TO BE SUBMITTED

B.1 Schedule of Rates or Summary of Bill of Quantities

	From Bill of Quantities – If applicable, or	qty	x rate =	ZAR	
1.0 SUB TOTALS:					
1.00	Cost of new 12.5-Ton Mobile Crane (Latest Model)				A2
	Sub Totals Sum (Excluding VAT)				A3
2.0	Add: VAT	15%			D
3.0	Total Tender Sum (Including VAT)				A4

- B1.1 In the event of there being any obvious errors of pricing, extensions, or additions in the priced Cost Schedule attached, we agree to their being corrected, and the contract amount altered accordingly.
- B1.2 We further undertake that this tender cannot be withdrawn or retracted for **180** (One Hundred and Eighty) days from the closing date.
- B1.3 Notwithstanding that, this tender is submitted by invitation, it is clearly understood and agreed that there is no obligation upon Foskor to accept the lowest or any tender.
- B1.4 The tendered prices are fixed and firm for the duration of the contract, and unless otherwise agreed to in writing a 10% retention (held for 18 months, unless otherwise specified) shall be deducted on all payments made for the Liability Period as defined in B.2. This clause also refers to 'Handover' as specified in **B 2.1**
- B1.5 Unless or until a formal agreement is prepared and signed, this tender shall serve as your written acceptance and constitute a binding contract between Foskor and you.

Amount In Words:

Signed aton.....

Signature
For and on behalf of the Tenderer (duly authorized)

.....
Gupta Singh

B.2 Initial Project Programme of Works, Work Methodology and Cash Flow

(This is a workable schedule, and the Contractor is in no way obligated to these dates. An obligatory final programme will only be required once the tender is awarded.

Commencement Date (Guide: immediately from tender close date)

Within 7 days from receipt of the Purchase order.

Completion of Works / Final Handover (Guide: Project duration)

16 weeks

TO BE SUBMITTED WITH THIS TENDER

The Tenderer shall submit with this Tender:

- 1 Details regarding the load test certificates.
- 2 Detailed Spare parts list with cost and their availability.
- 3 Drawings and checklists.
- 4 ISO 9001 Accreditation.

OTHER IMPORTANT NOTES

- **'Defects Liability Period'** shall be that period in force for Foskop to call upon the Supplier/Consultant to rectify at no cost to Foskop (Pty) Ltd any defects of workmanship, quality or practice; and shall remain in force **in parallel with the Retention Period** and any other duration agreed to.
- The Tenderer is to list and motivate any deviations in terms of the Project Program and/or time allowed, and this is subject to approval by the Foskop (Pty) Ltd Engineer.
- It would be expected, in the event of critical work and/or work behind programme/schedule, should such be attributable to the Supplier, to make up the time and work and complete the work at no cost to Foskop (Pty) Ltd.
- The Tenderer shall, within **7 (seven) Days** of contract award: submit a final detailed work methodology and programme, and the final work methodology shall be verified and approved by Foskop (Pty) Ltd.
- The Tenderer is welcome to propose alternative work methodology or approach to work that may be of mutual benefit. This would be submitted in the form of an Alternative (clearly marked); however, the Tenderer is **still to submit a tender in the form specified** in this tender.
- The Tenderer shall submit a Work Breakdown Structure (WBS) and compile a programme (use MS Projects).

- If the Tenderer is partially or wholly responsible for the design or design drawings according to which construction is specified, any corrections to the design/design drawings shall remain for the

B.2.1 Project Completion and Handover; Retention

Unless otherwise agreed, Project Completion (handover), shall be deemed to be from date of Foskor issuing a Project Complete/Handover Certificate to the Supplier. This should be expected to be received within seven (7) days from date of receipt by Foskor of the complete Data Pack in its acceptably certifiable form (refer Section C of this document, **Quality Control**). Once the project has reached completion as defined by this scope, onus rests on the Tenderer to request from Foskor a Project Complete/Handover Certificate, which receipt shall define and signify the commencement of Retention Period.

B.2.2 Initial Program to be Submitted

The interim and final project completion dates, as indicated in the above table should be used as the guideline for the Tenderer to compile the detail project schedule.

After the contract agreement is accepted (by signature of an agreement or acceptance of a Purchase Order) the dates shall be fixed and shall be applicable to the penalty clause as per agreement.

ATTACH GANT CHART AND/OR BAR CHART TO THIS PAGE

B.3 Schedule of Key Personnel on the Contract

The Tenderer shall:

1. Complete below concerning the Key Personnel on the project, indicating also if the person is employed by the Tenderer, a sub-supplier or temporary employed person.
2. Submit a project organogram showing the relationships and authority.

Key Personnel	Name and Surname	Full/Part Time on site, off-site?	Employed, Sub-Supplier or Temp?	Years Related Experience
Project Manager / Owner				
Site Manager/ Contracts Manager				
Quality Assurance and Controller				

These persons shall not be substituted without prior consultation with and approval from Foskor (Pty) Ltd.

Failure to submit this information at the time of tender could lead to disqualification of the tender.

B.4 Schedule of Similar Contract Undertaken

Please provide a list of work done on supply of which the Scope of Works that are similar to the one described in this document (or attach references).

Completed Month, Year	Description	Client Name	Contact Person And Details	Value

B.5 Site Inspection Certificate – To be signed by Tenderer (Not Applicable)

This is to **CERTIFY**, that we.....
(Name (s in CAPITAL LETTERS) (Referred to on the Form as "We")

representing and being duly authorized by:

.....
(Name of Company and Address) (Referred to on the Form as "We")

1. Visited the SITE on (date).
2. Received the TENDER Documents (including all attachments and subsequent correspondence related to this tender).
3. Carefully examined the SITE and made us familiar with all local conditions likely to influence the WORKS and the cost thereof.

We further CERTIFY that we are satisfied with the description of the WORKS and explanations given by Foskor (Pty) Ltd and that we fully understand the nature of this TENDER.

I/We are,

Yours faithfully

SIGNATURE: _____

ON BEHALF OF: _____

DATE: _____

AS WITNESS: _____

Section C: SCOPE OF WORKS

C.1. Background, Present Situation and Proposed Solution.

Foskor had a 7 Ton crane CRN0838 which was purchased in 2010. The crane was scrapped and sold in the year 2023, because of fully depreciation, uneconomical and unsafe for use. Foskor acid plants are outside suppliers for hiring the cranes, which is costlier and time-consuming. The required 12.5-TON mobile crane is to be utilized all over the Foskor plant and for Lifting, shifting and transferring equipment's from place to place. Mobile cranes are versatile, cost-effective, fast to set-up and access areas which have constraint access like in line pumps and Gypsum pumps.

Foskor Richards Bay should consider buying a 12.5 Ton crane for acid plants requirements which helps production process smooth and safe. Hence, we recommend this crane, as it was very crucial for business.

C.2. Legislation, Standards and Codes of Practice

The latest revisions or amendments of the listed codes and specifications are applicable to this contract:

Number	Title / Description	Revision
ISO 9001	Quality Management Systems (QMS)	Latest
Act of 1993	Machinery and Occupational Safety Act, 1983	Latest

All work listed in this scope of work shall be completed in accordance with the specifications and codes as listed above. It is the responsibility of the Tenderer to be in possession of the latest standards and codes as listed above in the execution of this project.

C.3. Foskor Specifications

All work listed in this scope of work shall be completed in accordance with the specifications listed below.

Those specifically applicable to this Tender is marked with "YES", however it does not exclude other specification listed or implied, and it remains the Tenderer's responsibility to ensure that work execution and tender prepared is in line and meets the requirements of all standards indicated or not.

Number	Title/Description	Version	Applicable
E 006	Low Voltage Distribution Boards	Latest	
E 008	Luminaries	Latest	
E001	Low and Medium Voltage Motors	Latest	
E002	400V AC Distribution Switchgear & MCC's	Latest	
E003	Industrial Electrical Installations	Latest	

EC1	Installation, Testing and Commissioning of electrical equipment	Latest	
EE1	Motor Control Centre and Switchgear	Latest	
EE2	Squirrel Cage Induction and Wound Rotor Motors	Latest	
EE6	11KV Power Transformers	Latest	
FC005	General Earth Works to Plant and Building	Latest	
FC016	General Road Works	Latest	
FC021	General Specification for Terrace Construction	Latest	
FC026	General Specification for Road works	Latest	
FD001	Design Criteria for Structures	Latest	YES
FG001	General Requirements for Projects	Latest	
FL001	Design and Fabrication Criteria for Ladders and Walkways	Latest	
FM001	General Mechanical Specification	Latest	YES
FM002	Rubber lining of Vessels and Piping	Latest	
FM003	Welding of Fabricated Equipment	Latest	
FM273	Fire Tube Waste Heat Boiler	Latest	
FM432	Canvas specification	Latest	
FQ001	General Engineering Quality Requirements	Latest	YES
FQ002	Non-Destructive Testing	Latest	
FS001	Fabrication and Erection of Structural Steel	Latest	
FS002	Specification of Roof and Side Cladding	Latest	
FT001	Trestles and Access Platforms	Latest	
FV001	Requirements Vessels, Tanks and Heat Exchangers	Latest	
FY001	Design/Fabrication of Piping	Latest	YES
COP 6	Contractor Control	Latest	
COP 84	Hazardous substances	Latest	
COP 82	Waste Management	Latest	
COP 93	Ladders Stairs and scaffolding	Latest	
GE1	Design of Electrical Installation1	Latest	
GM1	General Mechanical	Latest	
GM2	Mechanical Erection	Latest	
GM3	Surface preparation and protection specification: Paint	Latest	
GM4	Pressure Vessels including Auxiliary equipment	Latest	

GM5	Pipe Standards Including Auxiliary Equipment	Latest	
GM6	Engineering Drawing and Document requirements	Latest	YES
MC002	Scope of Corrosion Protection Richards Bay	Latest	
MC003	Painting High Spillage Areas	Latest	
MC004	General Plant Painting Specification Low Temperature	Latest	
MC005	General Plant Painting Specification High Temperature	Latest	
MC006	Repair Damaged Steel Work	Latest	
MC007	Steel Denso Wrap System	Latest	
MC008	Pipe/Flange Protection Denso Wrap System	Latest	
MC009	General Plant Protection High Corrosive Areas	Latest	
MC010	Painting Tank Grillage and bottom side of floor plate	Latest	
MC011	Internal Painting of Tanks with Demineralized Water	Latest	

Number	Title/Description	Version	Applicable
APPLICABLE	SULPHOS PROJECT SPECIFICATIONS on this Tender		
SS-000000-C-005	Earthworks to foundations and buildings	Latest	
SS-000000-C-006	General specification for concrete construction	Latest	
SS-000000-C-007	Concrete specification	Latest	
SS-000000-C-012	Grouting	Latest	
ST-000000-C-016	General road works	Latest	
SS-000000-C-017	Underground gravity pipelines, cable ducts and drain	Latest	
SS-000000-C-021	Terrace construction	Latest	
ST-350999-316-001	Civil and Building work- Sulphuric acid plant	Latest	
SS-000000-E-003	Industrial electrical installations	Latest	
SS-000000-G-001	Project general	Latest	
SS-000000-G-003	Corrosion protection	Latest	
SS-000000-Q-001	General quality requirements	Latest	YES
SS-000000-Q-002	Non destructive testing construction site	Latest	
SS-000000-S-001	Fabrication and erection of structural steelwork	Latest	
SS-000000-S-002	Roof & side cladding (by BEMA)	Latest	
SS-000000-M-023-A	Brick lining of rubber lined carbon steel equipment	Latest	
SS-000000-M-002-00	Rubber lining for steel equipment and piping	Latest	

It is the responsibility of the Tenderer to be in possession of the latest specifications as listed above or implied in the execution of this project.

No claim whatsoever will be allowed in respect of errors in pricing due to brevity of description of items in the Bills of Quantities/Lump Sum documents which are fully described when read in conjunction with the relevant Preambles and/or Specifications.

Suppliers of materials and the like, whose quality systems apply with one or more of the SABS/SANS ISO 9001 Series should be used whenever possible in the absence of a particular SABS/SANS Specification Standard Mark.

C.4. Project Requirements

The main purpose of this scope of work is for supply of a New 12.5-TON Mobile Crane for Foskop Richards Bay Division.

C.5. Plant Data

All work listed in the document will be executed for and at FOSKOR (PTY) LTD, The **RICHARD'S BAY PLANT, 21 JOHN ROSS PARKWAY, 3900 South Africa.**

C.6. Scope of Work – General.

1. Supply the latest model 12.5-TON Crane.
2. Shall Provide all necessary manuals and documentation required to operate and maintain the crane.
3. Should Provide minimum months warranty for the crane after delivering the crane to Foskop.
4. Shall Provide training for the Crane operators.
5. Shall Provide backup spares for regular maintenance during and after warranty period.
6. Spares parts for the crane should be available for the Foskop Procurement for the next Ten years following the taking over certificate.
7. The Bill of Material for each component shall be indicated on the relevant drawing shall be supplied to Foskop along with the crane.
8. The Tenderer shall provide a classified list of spares (Emergency /standby & Normal Maintenance) which are recommended to be held in stock by Foskop. The list shall be accompanied by Item wise quotation, drawings references, specifications, source of supply, etc. for each spare item that should be indicated.
9. The Tenderer shall provide an Itemized list of Life Expectations of different components/assemblies which are subjected to wear and tear during operations.
10. Should Provide Detailed Operating Manual, Maintenance Manual, all Information relevant to Maintenance, servicing & spares provided by the vendors/OEMs as part of their supply.
11. Detailed spares parts catalogues listing all components shall be supplied free of charge.
12. Providing New Crane that includes the following items.
 - Pressurized driver's cab fitted Air conditioner.

- Steering/drive 4 x 4, fully independent power steering front and rear axles.
- Preferably automatic transmission.
- Brakes should be standard manufacturer's brake system.
- Spare tire and tool kit.
- Lights (LED) to comply with the regulations of Road Safety ordinances with latest controls:
- Paint for undercarriage and chassis with rust protection paint (warranty 5 years).
- The crane color paint to be standard yellow, with Foskor stickers for fleet identification, and Maximum Load Indication on the side of the lifting boom
- Extra
 - Fire Extinguisher.
 - Audible reverse alarm.
 - Stainless steel exhaust system.
 - Full maintenance plan.
 - Supply yellow strobe light (Potable/Removable).
 - Seal all electrical wiring points for acid damage.

C.6.1 Tender Required Documents.

The following documentation

- 1 Details regarding the load test certificates.
- 2 Warranties and guarantees.
- 3 Detailed Spare parts list with cost and their availability.
- 4 Drawings & Checklists.

C 6.2 Specifications & Standard Features

TECHNICAL DATA:

- Max. load at a 2.5 m boom projection: 12.5 t.
- max. boom projection : 14.2 m
- Telescopic boom length: 5.2 – 12.5 m

WARRANTY

The crane shall carry the manufacturer's warranty of not less than 12 Months after delivering the crane to Foskor site. A certificate shall be Provided.

TRAINING

on-site training for operators of mobile crane, supplier crane training should be provided free of charge. Training must consists of the following aspects:

- Operating instructions of Vehicle, Components and Equipment
- Basic Vehicle Care and Preventative Maintenance
- 3 x Workshop manual on soft copy/ hard copy. (Including Crane Load Chart)
- 3 x Driver's operating manual.

DETAILED SPECIFICATIONS

SNo	<u>ITEM</u>	<u>Standard</u>	<u>SUPPLIER COMMITTED DETAILS</u>
1	Boom	5,5 m – 12,5 m (17.3 ft - 41 ft) full-power main boom. Three-section boom with two (2) powered sections. Maximum tip height: 14.2 m (46 ft).	
2	Boom nose	Nylatron sheaves are mounted on heavy-duty needle roller bearings with removable pin-type rope guards. Quick-revealing type boom nose with three-position (0°, +40°, and + 80°) pivoting to minimize head height requirements. Lowers head height by 0,4 m (1.3 ft).	
3	Boom elevation	Single double-acting hydraulic cylinders with integral holding valves provide elevation from 0° to +72°.	
4	Load moment and anti-two block system	Standard anti-two block device, which, when activated, provides an audible warning to the operator and "locks out" all functions whose movement can cause two-blocking	
5	Rated Capacity Limiter (RCL)	Black and white, graphical display of boom angle, boom length, boom radius, rated load, and calculated load. Allows for operator inputs to set the crane configuration. RCL system is hardwired and calculates load via pressure transducers in the lift cylinder. Display includes a color-coded light bar and audible alarm with function cut-out if load exceeds the load chart parameters.	
8	Swing	Ball bearing swing circle with 360° continuous rotation. Worm gear and pinion driven by hydraulic motor. Maximum speed: 2,0 rpm	
10	Hydraulic system	One pressure compensated variable displacement axial piston pump with load sensing. Maximum output of: 130,6 lpm (34.5 gpm). Maximum operating pressure: 241 bars (3500 psi). Four-section valve bank, chassis mounted, operated via dash mounted, hydraulic pilot controls. 130,6 L (34.5 gal) hydraulic reservoir with sight level gauge and steel side plating to guard against side impacts. 5 micron return line filter with full flow by-pass protection and service indicator.	
11	Hoist	Geroler motor driven with automatic spring-applied / hydraulically released wet brake. Drum rotation indicator in the hoist joystick control and hoist direction indicator light on dashboard.	

		Maximum hoist pull (first layer): 4282 kg (9440 lb) Maximum permissible single line pull: 3856 kg (8500 lb) Maximum single line speed: 35,66 m/min (117 fpm) Rope construction: 6X19 EEIPS/IWRC Rope diameter: 14 mm (9/16 in) Rope length: 97,5 m (320 ft). Maximum rope stowage: Main hoist: 90,83 m (298 ft)	
12	Chassis	High-strength alloy frame constructed with integral outrigger housings; front and rear lifting, tie-down, and towing lugs. 5,57 m ² (60 ft ²) size with 8165 kg (18,000 lb) deck only carrying capacity. Deck coated with antiskid treatment.	
13	Outrigger system	Hydraulically powered oblique-style single-stage outriggers that are independently controlled using the main control valve that provides 10,16 cm (4 in) of lift off the ground for levelling the crane. Outrigger cylinders have an integral holding valve. 27,3 cm x 40,64 cm (10.75 in x 16 in) Maximum outrigger pad load: 13 608 kg (30,000 lb)	
14	Outrigger controls	Independent outrigger controls. 360° bubble level located inside cab.	
15	Engine-	Engine (Tier 3) Cummins QSF 3,8L, four-cylinder / turbo-charged diesel rated at 74 kW (99 hp) at 2200 rpm. Standard 120 V engine block heater and cold weather intake grid heater. Engine hour meter located in dash display. Alternator 135 amp. Maximum torque 420,3 Nm (310 ft/lb). Fuel tank capacity 100 L (26.4 gal)	
16	Fuel tank capacity	100 L (26.4 gal)	
17	Transmission	Powershift with four speeds forward and three speeds reverse. Stalk mounted direction shifter with rotary gear selection.	
18	Steering	Standard three steering modes. Front two-wheel, four-wheel coordinated, and four-wheel crab steer with electronic self-alignment, three-position rocker selector on dash panel. Outside turning radius: Two-wheel steer: 5,32 m (17 ft 5.37 in) Four-wheel steer: 2,86 m (9 ft 4.44 in)	
19	Axles	Front: Drive/steer in both two-wheel drive and four-wheel drive Rear: Non-drive with steer in two-wheel drive, drive/steer in four-wheel drive Front and rear axle are rigid mounted to frame. Rear axle offers 1.5° of oscillation with four-wheel drive option only.	

20	Brakes	Hydraulic actuated internal wet-disc service brake acting on all four wheels. Dash mounted toggle switch with light for activating or release of the dry disc parking brake mounted on the transmission output yoke.	
21	Suspension	Front: Walking beam with air bags and shock absorbers. Rear: Walking beam with air bags and shock absorbers	
22	Tires	Front: 385/65R 22.5 tubeless, mounted on aluminum disc wheels. Rear: 385/65R 22.5 tubeless, mounted on aluminum disc outer wheels, inner wheels steel	
23	Lights	Full lighting package including turn indicators, head, tail, brake, and hazard warning lights. Meets FMVSS and CMVSS standards.	
24	Electrical system	One 12 V maintenance-free battery, 1125 CCA each at 0°. 135 amp alternator.	
25	Maximum speed	25 Km/hr. . Gradeability (theoretical) – 40%	
26	Miscellaneous standard equipment	Aluminum fenders with rear storage compartments; dual rear view mirrors; electronic back-up alarm; sling/tool box; tire inflation kit; air cleaner restriction indicator; headache ball stowage; air conditioning; traction control; air horn; Crane STAR Asset Management System.	
		**Two owner's manual (One paper & One USB flash Drive)	
27	Optional equipment	Auxiliary Lighting and Convenience Package: Includes amber strobe light for superstructure and carrier cab, and boom mounted aircraft warning light (fully wired) Dual boom base mounted floodlights Hook blocks Pintle hook (rear) Trailing Boom Package Aluminium outrigger pads Counterweight packages Tow cable Wind speed indicator Winter front radiator cover Additional storage Counterweight slings Cross axle differential	

C 6.3
1.Foskor Supplied Services

Foskor (Pty) Ltd shall be responsible for:		Applicable:
1	Supply a copy of the relevant Foskor Procedure Specification(s).	Refer C.3
2	Supply a copy of reference drawings if required.	N/A
3	Provide access to electricity connection points Any connection and consumption will be monitored by Tenderer and verified by Foskor on defined intervals (usually at the beginning and end of contract)	N/A
4	Provide access to potable water. Connection and consumption would need to be monitored by Successful Tenderer (Supplier) and verified by Foskor on intervals (usually at the beginning and end of contract) defined by Foskor	N/A
5	Provide a suitable area for site establishment for Successful Tenderer (Supplier). - Successful Tenderer to formally in writing motivates, request and define the area and services it deems necessary for site establishment. - Foskor will at its own discretion (if request is approved) allocate a site establishment area, however Foskor can should it deem necessary retract or re-define its approval by giving reasonable notice to the successful Tenderer	N/A
6	Provide access to ablutions facilities. (Not change rooms) - Successful Tenderer (Supplier)'s workers to be fully dressed in required PPE when coming on site. - The successful Tenderer to ensure that its workers/sub suppliers/ supplier that are making use of facilities, do so in an orderly and well-mannered way. - Successful Tenderer is not allowed to make use of Foskor's change room or tearoom facilities unless agreed to in writing. - The successful Tenderer might be called on to assist with the maintenance and cleaning of ablutions, should Foskor at its discretion be of the opinion that it be necessary. Cost associated with such cannot be claimed from Foskor (Pty) Ltd.	N/A
7	Assist in issuing of work clearances and HIRA certificates.	N/A

2. Successful Tenderer Responsibilities

The successful Tenderer (Supplier) shall be responsible for (inter alia):		Applicable:
1	Supply of a 12.5-TON Crane (Latest Model)	YES
2	Provide original drawings of the equipment	YES

C.6.4 Requirement for the termination, diversion, or maintenance of existing services

Only Applies if/where electrical conductors, pipe conduits, electrical transmitters, ducting or ventilation services are affected. Unless identified as part of the scope, the Supplier must immediately bring to Foskop's attention any previously unspecified or obstructing services existing in his area of work and without terminating/diverting/hindering such services.

C.6.5 Standing Time

Standard Time Not applicable to this project (Supply of 12.5 Ton crane).

C.6.6 Invoicing and Payment

Payment will be made by Foskop (Pty) Ltd, after approval (with consideration for the construction, completion, and defects corrections of the Works) by the Foskop (Pty) Ltd.'s Project Representative (i.e., Engineer, Project Supervisor) of the submitted Payment Certificate to the Tenderer within 30 (thirty) days from the date of the statement.

The invoice shall be approved in accordance with the provisions of Foskop (Pty) Ltd.'s terms and conditions.

The invoice submitted is to be in a format acceptable to the Foskop (Pty) Ltd.'s Project Representative and need to contain the following minimum information:

- Company details, registration no and VAT registration no,
- Purchase Order no & Date of Invoice,
- Copy of Purchase Order,
- Detail description of work done to date,
- Value of the current claim and work done (excl. VAT),
- VAT charges

C.7. Foskop Safety Documents to be submitted, Environmental and Site Management

C7.1 SHREQ Requirements

The successful Tenderer will be required to comply and ensure continuous compliance with Foskop standards and national regulations:

- Compliance with COP 96 Trackless Mobile Machines
- Compliance with ISO 9001 Quality System Series.
- Copy of requirements available from Foskop SHREQ Department.

C.7.2 Environmental Management Specifications

- Is Not Applicable to this project (Supply of 12.5-TON Mobile Crane)

C.8. OHSA 1993 Health and Safety Specification

This specification covers the health and safety requirements to be met by the successful Tenderer (Supplier) to ensure a continued safe and healthy environment for all workers, employees, and sub suppliers/consultants and for all other persons entering the site of works.

This specification shall be read with the Occupational Health and Safety Act (Act No 85 and amendment Act No 181) 1993, and the corresponding Construction Regulations 2003, and all other safety codes and specifications referred to in the said Construction regulations.

C.9. Applicable General Conditions of Contract

Unless expressly otherwise indicated, Foskor General Conditions of Contract and the FIDIC terms of Contract would apply, and is available from the Manager Procurement Foskor Richards Bay.

C.10. Quality Management

The successful Tenderer is to adhere to Foskor (Pty) Ltd.'s Quality Management System and specifications incorporated in this Tender Document.

To ensure that all installations are carried out in a controlled manner, the Contractor shall demonstrate this by means of the internal quality system, which shall include as a minimum a QCP for each piece of equipment. The QCP must be approved by Foskor before commencement of any work.

C.10.1 Quality Control:

- i. Quality of assembly work must be always monitored and controlled according to standard operation procedures.
- ii. Additional inspection shall be performed during performance Testing, where service conditions warrant. Damaged or defective parts should be replaced /service .

C 10.2 BILL OF MATERIAL

BOM			
No	Technical BOQ		
	ITEM	UNIT	QUOTED (Included)
	Standard		Tick if Quoted YES/NO
1	12.5-TON Rough Terrain Crane with following specification - New Carrier design with flat decking, additional storage and full LED lighting. - Engine Cummins QSF 3,8L, four-cylinder / turbo-charged diesel rated at 74 kW (99 hp) at 2200 rpm. Standard 120 V.	01	

Section D: TECHNICAL EVALUATION CRITERIA

D.1 Technical Evaluation Criteria for this Tender, which excludes Commercial Evaluation:

Evaluation Criteria (Technical)				
MANDATORY DOCUMENTS: Bid submission not meeting these requirements will result in bid being disqualified.				
Authorized Supplier :- 1 The Bidder must be either the Crane manufacturer company itself, or an authorized distributor of the Crane manufacturer. (should provide a letter of intent)				
TENDER TITLE				
No.	Technical Criteria Description	% Contribution	Proof/Documents to be submitted	Notes
1	Compliance with Scope of Work Specifications - Weight not to be less than 25%			
A)	Submission of Engineering Details /Drawings, Manuals , Detailed Equipment maintenance Checklists & Standards. Scoring: If provided all three =25% If provided any two = 10%. If provided less than two =0%	25%	Bidder to submit documents as requested in detail. 1.Engineering Details /Drawings,Manuals. 2.Detailed Equipment maintenance Checklists. 3. <u>ISO 9001 Accreditation.</u>	
2	Reliability - Supplier reliability, quality and budget - Weight not to be less than 50%			
A)	Test certificates Scoring: Scoring: If Provided=25%; If not provided = 0%	25%	Bidder to provide clearly regarding the crane ratings ,Maximum load capacity, Maximum lifting height as mentioned in the specification. Test certificate for control systems and Hydraulic systems.	
B)	The delivery lead time should not be more than 16 weeks after receiving the official purchase order Scoring: If provided equal to less than 16 weeks=25%; If provided >16 weeks & <25 weeks = 10% If Provided >25 weeks = 0%	25%	Written and signed letters from previous companies where services were rendered to confirm all lead times.	

3	Competence - Supplier experience & team competence at Foskor Richards Bay - Weight not to be less than 25%			
A)	Supplier Experience in supply and delivery of Mobile cranes. Scoring: If submitted for > 10 years' Experience = 25% If submitted 5-10 years' Experience = 10% If submitted 1-5 Years = 5% Nonresponsive = 0%	25%	The Supplier is required to submit proof narrating years of experience in supply and Delivery of mobile crane for Major industries. reference/Client letters will be accepted.	
Total Technical Score: 100 %				
Note: For the bid to be considered the bidder needs to score 80% and above, and comply to all mandatory requirements				

THE END OF THE SCOPE OF WORK

