

Price – R 530.00

CAPRICORN DISTRICT MUNICIPALITY



TERMS OF REFERENCE FOR THE SUPPLY AND DELIVERY OF TWO [2] SETS OF EXTRICATION EQUIPMENT FOR FIRE & RESCUE SERVICES

BID NO: COMM-F02/2021/2022

CLOSING DATE: 26 JULY 2021@ 11H00

BIDDER NAME: _____

TOTAL BID AMOUNT: _____

RECEIPT NO: _____

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1 BACKGROUND INFORMATION

Bidders are invited to supply and deliver of extrication equipment for Fire & Rescue Services division of Capricorn District Municipality.

2 KEY OBJECTIVES

The Capricorn District Municipality (CDM) Fire and Rescue Services seeks to procure hydraulic extrication equipment and hydraulic power plants/pumps for effective rescue operations.

3 SCOPE OF WORK

The prospective service provider must supply and deliver Two [2] sets of extrication equipment as explained in the Deliverables chapter.

4 DELIVERABLES

Each of the Sets should consist of one hydraulic power plant/pump, one hydraulic spreader, one hydraulic shear/cutter, one hydraulic telescopic ram and two (2) hydraulic extension hoses. **In effect thus two of each except for the hose which are four.**

4.1 Power/pump Unit (x2)

- 4.1.1 The unit shall be NFPA 1936 compliant.
- 4.1.2 The unit shall be designed to facilitate two-tool simultaneous operation.
- 4.1.3 Power unit shall have an internal safety valve to prevent over pressurization of the unit.
- 4.1.4 Possibility to (dis-)connect coupler from tool and pump without using a release valve and while the system is under flow.
- 4.1.5 Flat faced automatic locking couplers shall be provided for each pump connection.
- 4.1.6 Flat faced couplers to prevent dirt entering the couplers and hydraulic system and for ease of cleaning the couplers.
- 4.1.7 Power unit shall have multi stage settings to a maximum working pressure of 720bar / 72 Mpa at its final stage.
- 4.1.8 The unit shall be equipped with a roll cage/frame. The power units shall be fitted with rubber anti-vibration feet.
- 4.1.9 The unit must conform to:
 - 4.1.9.1 Pump type: 2 x 3-stage axial pump
 - 4.1.9.2 Engine: 4 stroke, not less than 3hp and 2.2kw
 - 4.1.9.3 Operator type: petrol
 - 4.1.9.4 Capacity oil tank ~ 4000 cc
 - 4.1.9.5 Hydraulic oil reservoir capacity to operate two (2) hydraulic tools simultaneously.
 - 4.1.9.6 Dimensions (lxwxh) not more than 455 x 315 x 460 mm
 - 4.1.9.7 Weight not more than 25kg

4.2 Hydraulic Cutters/Shears (x2)

- 4.2.1 In fully open position blades must have U-shape design allowing the blades to pull material into the cutting recess for better cutting performance
- 4.2.2 Fitted with a single maintenance friendly flat-face coupler (easy to clean) for coaxial one hose system
- 4.2.3 Blade opening at the tips of the blade minimum 180 mm
- 4.2.4 Maximum force not less than 1350 kN
- 4.2.5 Maximum working pressure not less than 720 bar / 72 MPa.
- 4.2.6 Weight not more than 16kg
- 4.2.7 To improve durability the blades must be machined from high grade tool steel and not forged
- 4.2.8 Aluminium blade holder fitted with a set of steel protection covers to shield the front of the tool from damage during the rescue operation
- 4.2.9 To assist the operator and increase safety while working in dark or poorly lit circumstances the carrying handle shall have integrated LED lights.
- 4.2.10 Dimensions (LxWxH) shall not exceed 775 x 280 x 205 mm.
- 4.2.11 The tool must be NFPA1936 compliant with identifying mark of the independent test institute.

4.3 Hydraulic Spreaders (x2)

- 4.3.1 The spreader shall have automotive/grabber-jaw tips and shall be constructed of hardened tool steel. Twist deadman control mechanism with automatic neutral position.
- 4.3.2 Fitted with a single maintenance friendly flat-face coupler (easy to clean) for coaxial one hose system
- 4.3.3 Aluminum used in the construction of the spreader body shall have an anodized finish. Minimum spreading force 25 mm from tips (acc. to EN13204) not less than 40 kN.
- 4.3.4 Spreading opening not less than 725 mm.
- 4.3.5 Maximum spreading force at steel tips (not at aluminium arm) not less than 275 kN.
- 4.3.6 Pulling force not less than 45 kN.
- 4.3.7 Pulling distance not less than 610 mm.
- 4.3.8 Squeezing force not less than 55 kN.
- 4.3.9 Maximum working pressure not less than 720 bar / 72 MPa.
- 4.3.10 Weight including hydraulic oil shall not exceed 15 kg.
- 4.3.11 Dimensions (LxWxH) shall not exceed 840x290x220 mm.
- 4.3.12 To assist the operator and increase safety while working in dark or poorly lit circumstances the carrying handle shall have integrated LED lights.
- 4.3.13 The tool must be NFPA1936 compliant with identifying mark of the independent test institute.

4.4 Hydraulic Telescopic Rams (x2) with 2 extensions each

- 4.4.1 The ram shall have penetrating teeth on both ram tip and base for increased safety during displacement.

- 4.4.2 Fitted with a single maintenance friendly flat-face coupler (easy to clean) for coaxial one hose system
- 4.4.3 The ram control shall be a twist type handle for easy operation.
- 4.4.4 The control valve shall be a dead man control for safety.
- 4.4.5 Operating pressure 720 bar / 72 Mpa
- 4.4.6 Extended length not less than 610mm
- 4.4.7 Closed length not more than 335mm
- 4.4.8 Spreading stroke 1st plunger 150mm
- 4.4.9 Spreading stroke 2nd plunger 125mm
- 4.4.10 Spreading force of 1st plunger - 217kn
- 4.4.11 Spreading force of 2nd plunger - 101kn
- 4.4.12 Weight not more than 10kg
- 4.4.13 Extension pipe lengths 250 mm and 450 mm should be included
- 4.4.14 Tool must be NFPA 1936 compliant

4.5 Hydraulic Hoses (x4)

- 4.5.1 Each rescue tool system shall be equipped with two (2) hydraulic hoses, each hose consisting of single line with single coupler on either side of the extension hoses.
- 4.5.2 Each extension line shall be a minimum of 10m each hose.
- 4.5.3 Hoses shall have flat faced quick automatic locking couplers.
- 4.5.4 Hoses shall be NFPA 1936 compliant.
- 4.5.5 Hoses shall have a working pressure of 720Bar or 72Mpa.
- 4.5.6 Hose binders

5 EVALUATION CRITERIA

- 5.1 The project will be evaluated in two phases, functionality and preferential point system of **80/20-point** system.

5.2 PHASE 1: FUNCTIONALITY

Bidders must score a minimum of 70 points to proceed to the next phase of evaluation.

Functionality	Points
Functionality References(Proof should be attached)	40
Banking rating of "C" or proof of funding by accredited institution.	40
Experience in Similar project(maintenance, repair and supply of hydraulic rescue equipment)	60
3 projects	20
4 - 5 projects	30
6 and above	60

5.3 PHASE 2: Price and Equity

The evaluation will be done by using 80/20-point system as indicated below:

Preference point system	Points
Price	80
BBBEE SCORE	20
Total Maximum Score	100

6 SPECIAL CONDITIONS

Must be an accredited service provider of rescue extrication equipment.

7 PROJECT DURATION

The procurement and delivery of equipment's must be within a period of 16 weeks after signing of an SLA.

8 BID ENQUIRIES

All matters related to the specification of this contract shall be directed to Wynand Els at 083 8765106 elsw@cdm.org.za. All matters relating to Supply Chain Management should be directed to Ms Violet Masemola at 015 294 1210/ masemolav@cdm.org.za; Mr Tiro Pilusa at 015 294 1039/ pilusat@cdm.org.za.

9 CONDITIONS FOR THE BID

- 9.1 The employer and each Bidder submitting a Bid offer shall comply with these terms and conditions of Bid. In their dealings with each other, they shall discharge their duties and obligations timeously and with integrity, and behave equitably, honestly and transparently.
- 9.2 Only those bidders who have the necessary experience and skills are eligible to submit bids.
- 9.3 The bidder must attach following with the tender:
 - 9.3.1 The legal registration certificates of the business entity.
 - 9.3.2 Tax access code (pin) issued by the South African Revenue Services to verify your tax matters.
 - 9.3.3 B-BBEE certificate or SWORN affidavit from Commissioner of Oath.
 - 9.3.4 Proof of registration with professional authorities. **(Where Applicable)** proof of registration with the central supplier database (CSD)
 - 9.3.5 Proof that municipal rates and taxes are not in arrears/lease agreement/letter from traditional council.
- 9.4 **The bidder must complete the attached forms** (failure to do so will result to disqualification)
 - 9.4.1 MBD 1- Invitation to Bid

- 9.4.2 MBD 3.1- pricing Schedule – Firm Prices (Purchases)
- 9.4.3 MBD 3.2- pricing Schedule – Non-Firm Prices (Purchases)
- 9.4.4 MBD 4 - Declaration of Interest
- 9.4.5 MBD 6.1 - Preference Points Claim Form in Terms of the Preferential Procurement Regulations 2011
- 9.4.6 MBD 7.2 - Contract Form - Rendering of Services
- 9.4.7 MBD 7.3-Contract Form-Sales of Goods /Works
- 9.4.8 MBD 8 - Declaration of Bidder's Past Supply Chain Management Practices
- 9.4.9 MBD 9 Certificate of Independent Bid Determination

- 9.5 Bidders must take note that briefing session will not take place. Bidders may send electronic mails enquiries related to this bid.
- 9.6 The bid price must remain valid for a period of 90 days calculated from the closing days.
- 9.7 The offer shall be open for acceptance by the Municipality during the validity period of 90 days.
- 9.8 The bidder or any of its directors has not:
 - 9.8.1 Listed on the register of bid defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the state.
 - 9.8.2 Abused the employers supply chain management system.
 - 9.8.3 Failed to perform on any previous contract and has been given a written notice in this effect.
 - 9.8.4 All information and details must be legible/ readable.
- 9.9 If the bidder fails to fulfil the contract when called upon to do so, the municipality may, without prejudice to its other rights, withdraw or cancel the contract that may have been entered into between the bidder and the Municipality.
- 9.10 Each communication between the Municipality and a Bidder shall be to or from the Municipality only, and in a form that can be read, copied and recorded. Writing shall be in the English language. The Municipality shall not take any responsibility for non-receipt of communications from or by a Bidder. The name and contact details of the Municipality are stated.
- 9.11 Accept that the employer will not compensate the Bidder for any costs incurred in the preparation and submission of a Bid offer, including the costs to demonstrate that aspects of the offer satisfy requirements.
- 9.12 The Municipality may accept or reject any variation, deviation, bid offer or alternative Bid offer, and may cancel the Bid process and reject all Bid offers at any time before the formation of a contract. The employer shall not accept or incur any liability to a Bidder for such cancellation and rejection but will give written reasons for such action upon written request to do so.

- 9.13 No bids will be considered from persons in the service of the state (as defined in regulation 1 of the local government: municipal supply chain management regulations)
- 9.14 Bid documents may not be retyped, redrafted or copied. Only original copy from the municipality will be accepted.
- 9.15 Use of correctional fluid is prohibited
- 9.16 Any alteration made by the bidder must be initialled.
- 9.17 The bidder must ensure that all pages of the tender documents are initialled.
- 9.18 Successful bidder will be required to enter into formal contract with the municipality.
- 9.19 The Municipality address for the delivery of the bid offer package is:
- | | |
|------------------------|--|
| Location of Bid box | Tender Box |
| Physical address | 41 Biccard Street, Polokwane, 0699 |
| Identification details | Supply and delivery of Extrification Equipment's |
- 9.20 The closing time for submission of bid offers is as stated in the bid notice and invitation to bid.
- 9.21 Late, Telephonic, telegraphic, telex, facsimile or e-mailed bid offers will not be accepted.
- 9.22 CDM is not obliged to accept the lowest or any tender submission.
- 9.23 Bid will be opened immediately after the closing time at the municipal Offices, at 41 Biccard Street, Polokwane.

10 ANNEXURES

Attached, find Annexure A & B (MBD 1, MBD 3.1, MBD 3.2, MBD 4, MBD 6.1, MBD 7.2, MBD 7.3, MBD 8 & MBD 9) to be completed in line with the official supply chain management policy of the district municipality.