

Sesona Kibi

From: Lungisa Mpati <lungisa@emcol.co.za>
Sent: Wednesday, 27 November 2024 21:45
To: Sesona Kibi
Subject: RE: Declaration: RFQ/SCM EMC 27/24 - SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

Good Evening

This is to confirm that I have attended the meeting and I had no conflict of interest on the matters before the Committee

L Mpati
BSC Members

From: Sesona Kibi <sesona@emcol.co.za>
Sent: Wednesday, November 27, 2024 8:31 AM
To: Lester Moos <lester@emcol.co.za>; Kurt Flanagan <kflanagan@emcol.co.za>; Lungisa Mpati <lungisa@emcol.co.za>; Feronica de Vos <feronica@emcol.co.za>; Thareef Bloew <thareef@emcol.co.za>
Subject: Declaration: RFQ/SCM EMC 27/24 - SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

Day Committee Members,

With reference to the BSC meeting held on the 26 November 2024 at 14:00 via SKYPE, attached is the final BSC report for:

RFQ/SCM EMC 27/24 – SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

As agreed at the meeting all BSC members are required to do the following:

1. Declaration of Attendance of above-mentioned meeting by responding to this mail
I declare.
2. Declaration of Interest, Confidentiality & Impartiality by responding to this mail
 - *I declare that I did not purposefully unlawfully favour prejudice anyone in the procurement process (invitation, evaluation, recommendation or award of bid of the Code of Conduct C4.5 to C4.12 and C5.3 to C5.4 of the Public Service.*
 - *I, the undersigned, accept that all information, documentation and decisions regarding any matter serving before the Committee are confidential. I, therefore, undertake not to make known anything in this regard.*
 - *I also declare that I will not purposefully favour or prejudice anybody.***I declare.**
3. Declaration and Approval that attached BSC reports (minutes & approved Request for Approval) is a true reflection of the meeting held via SKYPE on 26 November 2024.
I declare.

Kind Regards

SESONA KIBI
SUPPLY CHAIN MANAGEMENT CLERK
Landline: +27 (041) 995 2051 | Fax: 041 995 2047
Email: sesona@emcol.co.za | Web-site: www.emcol.co.za

Sesona Kibi

From: lester moos <lester@emcol.co.za>
Sent: Wednesday, 27 November 2024 01:18
To: 'Sesona Kibi '
Subject: RE: Declaration: RFQ/SCM EMC 27/24 - SOURCING OF SERVICE PROVIDER FOR MACHINE
Attachments: MINUTES FOR RFQ-SCM EMC 27-24-.pdf

Good day Kibi

Find this email as my declaration as I have nothing to declare

 <p>higher education & training Department: High Education and Training REPUBLIC OF SOUTH AFRICA</p>	 <p>Eastcape Midlands TVET College EMC creating new futures</p>	<p>Lester Moos Campus Manager : Graaff-Reinet Campus T: 049 891 0201 C: 0682728147 E: lester@emcol.co.za W: www.emcol.co.za</p>
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From: Sesona Kibi <sesona@emcol.co.za>
Sent: Wednesday, 27 November 2024 08:36
To: 'lester moos' <lester@emcol.co.za>
Subject: RE: Declaration: RFQ/SCM EMC 27/24 - SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

Good day Mr Lester,

Apologies for the previous minutes report sent, please see attached the correct one with the correct reference number

Regards
Kibi

Sesona Kibi

From: Thareef Bloew <thareef@emcol.co.za>
Sent: Wednesday, 27 November 2024 11:09
To: 'Sesona Kibi '
Subject: RE: Declaration: RFQ/SCM EMC 27/24 - SOURCING OF SERVICE PROVIDER FOR MACHINE

Good day

I declare to points 1, 2 and 3.

Regards

From: Sesona Kibi <sesona@emcol.co.za>
Sent: Wednesday, 27 November 2024 08:31
To: 'lester moos' <lester@emcol.co.za>; 'Kurt Flanagan' <kflanagan@emcol.co.za>; 'Lungisa Mpati' <lungisa@emcol.co.za>
<feronica@emcol.co.za>; 'Thareef' <thareef@emcol.co.za>
Subject: Declaration: RFQ/SCM EMC 27/24 - SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

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 - *I declare that I did not purposefully unlawfully favour prejudice anyone in the procurement process (invitation, evaluation, recommendation or C4.12 and C5.3 to C5.4 of the Public Service.*
 - *I, the undersigned, accept that all information, documentation and decisions regarding any matter serving before the Committee are confiden anything in this regard.*
 - *I also declare that I will not purposefully favour or prejudice anybody.***I declare.**

Sesona Kibi

From: Feronica de Vos <feronica@emcol.co.za>
Sent: Wednesday, 27 November 2024 12:10
To: Sesona Kibi
Subject: RE: Declaration: RFQ/SCM EMC 27/24 - SOURCING OF SERVICE PROVIDER FOR MACHINE

Good day Kibi,

Kindly be advised that I declare to items 1, 2 & 3.

Thank you.

Regards

 <p>higher education & training Department: Higher Education and Training REPUBLIC OF SOUTH AFRICA</p>	 <p>Eastcape Midlands TVET College</p>	<p>Feronica De Vos Senior MIS Officer T: 041 996 1800 E: feronica@emcol.co.za W: www.emcol.co.za</p>
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From: Sesona Kibi <sesona@emcol.co.za>
Sent: Wednesday, 27 November 2024 08:31
To: Lester Moos <lester@emcol.co.za>; Kurt Flanagan <kflanagan@emcol.co.za>; Lungisa Mpati <lungisa@emcol.co.za>; Feronica de Vos <feronica@emcol.co.za>; Thareef Bloew <thareef@emcol.co.za>
Subject: Declaration: RFQ/SCM EMC 27/24 - SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

Day Committee Members,

With reference to the BSC meeting held on the 26 November 2024 at 14:00 via SKYPE, attached is the final BSC report for:

RFQ/SCM EMC 27/24 – SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS



BID SPECIFICATION COMMITTEE HELD ON TUESDAY, 26 NOVEMBER 2024

VIA SKYPE

AGENDA

1. OPENING AND WELCOME
2. ATTENDENCE
3. DECLARATION OF INTEREST
4. MATTERS TO BE TABLED

4.1 RFQ/SCM EMC 27/24 – SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

- 4.1.1 TYPE OF PROJECT
- 4.1.2 CONFIRMATION OF BUDGET
- 4.1.3 ADVERTISEMENT
- 4.1.4 BID SPECIFICATIONS
- 4.1.5 ADDITIONAL REQUIREMENTS

5. RECOMMENDATION

6. CLOSURE

**BID SPECIFICATION COMMITTEE HELD ON TUESDAY, 26 NOVEMBER 2024
VIA SKYPE**

1. OPENING AND WELCOME

2. ATTENDANCE

The confirmation of attendance was done via SKYPE.
In addition, committee members were required to confirm attendance via email.

3. DECLARATION OF INTEREST

Committee members were required to formally declare interests via email.

4. MATTERS TO BE DISCUSSED

4.1 TYPE OF PROJECT

RFQ/SCM EMC 27/24 – SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

4.2 CONFIRMATION OF BUDGET/FUNDS/APPROVAL

4.2.1. Financial Approval

The budget was approved and signed by, Mr N Momoza, Deputy Principal Finance / CFO on 21/11/2024 – see attached appendix.

4.2.2. Accounting Officer Approval

Mr Van Heerden approved and signed on 22/11/2024 – see attached appendix.

4.3 ADVERTISEMENT

RFQ/SCM EMC 27/24 – SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

4.4 BID SPECIFICATIONS

The Bid Specification and evaluation criteria are attached hereto

4.5 ADDITIONAL REQUIREMENTS

NONE

5 RECOMMENDATION

BSC committee approved with no objection.

MINUTES APPROVED BY:



CHAIRPERSON
BID SPECIFICATION COMMITTEE

27/11/2024

DATE

COMMENTS:

BID SPECIFICATION COMMITTEE MEMBERS (RFQ/SCM EMC 27/24)

NAME _____
SIGNATURE _____
DATE

NAME _____
SIGNATURE _____
DATE

NAME _____
SIGNATURE _____
DATE



SCM-022

REQUEST FOR APPROVAL – RFQ / RFP / BID

- **Request for Quotation (RFQ) : R2000 – R200 000**
Reviewed by AD: SCM, campus/depart manager, end-user rep,
- **Request for Quotation (RFQ) : R200 001 – R500 000**
Reviewed by BEC, BAC, approval by Accounting Officer
- **Competitive bid: R500 001 – R1 000 000**
Reviewed by BEC, BAC, approval by Accounting Officer
- **Competitive bid: R1 000 000 – And above**
Reviewed by BEC, BAC, approval by Accounting Officer

SOURCING OF SERVICE PROVIDER FOR MACHINE TOOLS

Procurement method: RFQ RFP BID Estimated delivery date: 30 April 2025

Shorter Bidding 3DAY 7DAY

1. BACKGROUND

The merSETA and Eastcape Midlands TVET College (EMC) signed a Memorandum of Understanding (MOU) on October 31, 2018 to establish a 4th Industrial Revolution: Eastcape Midlands TVET College Learning Factory (EMCOL-LF) to support the institutional strategic goal of teaching unemployed youth, semi-skilled and skilled employees in technologies connected to the Fourth Industrial Revolution

2. PURPOSE

To source service provider for the Welding workshop which includes physical infrastructure, controlling software, mechanical and electrical diagrams supply, data collection, training, installation, maintenance, support and curriculum for technologies.

3. SPECIFICATION(S)

- CNC Plasma Cutting Gantry
- Twin Column semi-automatic Heavy-duty band saw machine
- Handheld fiber laser welding
- Circular saw Station

HA

Name & Surname: L. Tuner Designation: Act AD Finance
Signature: [Signature] Date: 21/11/2024
COMMENT:

12. DP: FINANCE

RECOMMENDED / NOT RECOMMENDED

Name & Surname: N.P. Momoza Designation: DP: FINANCE
Signature: [Signature] Date: 21/11/2024
COMMENT:

13. ACCOUNTING OFFICER/AUTHORISED DELEGATE

(copy of delegation to be attached)

Based on the above background approval is requested for the Request for Bid:

NOT APPROVED **APPROVED BY:**

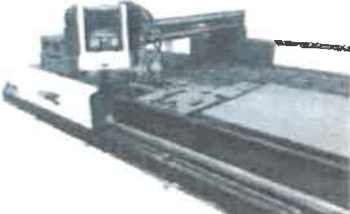
[Signature]
ACCOUNTING OFFICER or
AUTHORISED DELEGATE

25/11/2024
DATE

COMMENTS:

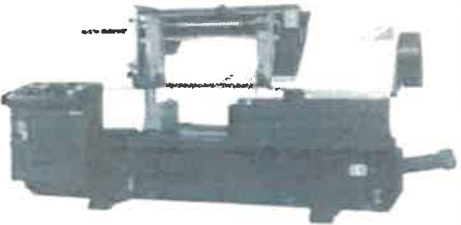
Details Specifications

A. CNC Plasma Cutting Gantry

EXAMPLE	QUANTITY REQUIRED
	1x CNC Plasma Cutting Gantry
CNC Plasma Cutting Gantry	
Specifications	<ul style="list-style-type: none"> • Effective cutting area 2500mm x 6000mm • ADTECH 2300 CNC controller with full nesting function • Auto torch height control included. • Dual Plasma/Flame cutting torch station. • Waterbed or air bed options. • Cutting length can be extended up to 30m. • Plasma cutting thickness up to 50mm depending on plasma power source. • Flame cutting capacity 150mm Mild steel. • Supplied with STARCAM software for nesting and cad function.
Plasma power source	Cutting capacity 0.5mm to 40mm mild steel 0.5mm to 25mm stainless steel 0.5mm to 20mm aluminum
Hypertherm Power Max:	Cutting capacity 0.5mm to 30mm mild steel 0.5mm to 25mm stainless steel 0.5mm to 20mm aluminum
Other Specs	The product is to be supplied with a specified warranty by the supplier.



A. Twin Column semi-automatic Heavy-duty band saw machine


EXAMPLE	QUANTITY REQUIRED																								
	<p>1x Twin Column semi-automatic Heavy-duty band saw machine</p>																								
Twin Column semi-automatic Heavy-duty band saw machine specifications																									
Specifications	<table border="1"> <tr><td>Capacity Round</td><td>420 mm (16.5")</td></tr> <tr><td>Capacity Square</td><td>420 mm (16.5")</td></tr> <tr><td>Capacity Rectangle (HxW)</td><td>420x 550 mm (16.5"x21.6")</td></tr> <tr><td>Capacity Triangle</td><td>460 x 420</td></tr> <tr><td>Blade Speed</td><td>20-100 m/min</td></tr> <tr><td>Blade Size (LxWxT)</td><td>5300x41x1.3 (208.7"x1.6"x0.05")</td></tr> <tr><td>Blade Motor</td><td>7.5HP (5.5kW)</td></tr> <tr><td>Hydraulic Motor</td><td>2HP (1.5kW)</td></tr> <tr><td>Coolant Motor</td><td>1/8HP (0.1kW)</td></tr> <tr><td>Workbed Height</td><td>700 mm (27.5")</td></tr> <tr><td>Gross Weight</td><td>2300 kgs (5060 lbs)</td></tr> <tr><td>Floor Space (LxWxH)</td><td>1100 x 2550 x1900 mm (43.3"x100.4"x74.8")</td></tr> </table>	Capacity Round	420 mm (16.5")	Capacity Square	420 mm (16.5")	Capacity Rectangle (HxW)	420x 550 mm (16.5"x21.6")	Capacity Triangle	460 x 420	Blade Speed	20-100 m/min	Blade Size (LxWxT)	5300x41x1.3 (208.7"x1.6"x0.05")	Blade Motor	7.5HP (5.5kW)	Hydraulic Motor	2HP (1.5kW)	Coolant Motor	1/8HP (0.1kW)	Workbed Height	700 mm (27.5")	Gross Weight	2300 kgs (5060 lbs)	Floor Space (LxWxH)	1100 x 2550 x1900 mm (43.3"x100.4"x74.8")
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Floor Space (LxWxH)	1100 x 2550 x1900 mm (43.3"x100.4"x74.8")																								
Design	<ul style="list-style-type: none"> • The machine is to cut diameter 420mm material • Hydraulic dual column design • Gearbox designed to accept high lateral pressure (no thermal distortion) • Inverter blade drive system which allows infinitely variable blade speeds • Adjustable flood coolant system • Motor driven, synchronized wire blade brush • Carbide blade guides and bearing provides additional blade support • Cast-iron guide arms • Cast-iron hydraulic vice • Split vice jaw for reduced burr • Automatic hydraulic blade tensioning device • Dual valve feed pressure and feed rate system for optimal cutting performance 																								

Handwritten signature



Other Specs	<ul style="list-style-type: none"> • <u>With chip conveyor</u> <p>The product is to be supplied with a specified warranty by the supplier.</p>
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B. Handheld fiber laser welding


EXAMPLE	QUANTITY REQUIRED
	<p>1x Handheld fiber laser welding</p>
Handheld fiber laser welding specifications	
Maintenance Specifications	The product is to be supplied with a specified warranty by the supplier.
Model	LASER 2000 WCC
Input Power	AC220V±5%/50 HZ
Scan Width	0-6mm
Center Wavelength	1080±10nm
Laser Power	2000W
Cooling Method	Water cool
Fiber Cable Length	15m
Shielding Gas	Argon/Nitrogen
Shielding Gas Pressure	Welding >3bar, Cutting 4-7bar
Total Energy Consumption	9kw
Electro-optical Conversion Efficiency	≥30%
Welding Thickness	0.5~6mm

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Welding Gap Range	≤1mm
Operating Environment	-10°C~40°C
Weight (Power source + wire feeder)	129.2kg
Packed Weight (Power source + wire feeder)	143.6kg
Dimensions (Ex. small protruding parts)	980 x 420 x 710 mm

C. Circular saw

EXAMPLE	QUANTITY REQUIRED
	1x Circular saw station

Circular saw specifications

Specifications	Length	560 mm
	Width/depth	902 mm
	Height	1765 mm
	Net weight	235 kg
	Drive motor output	0.75 / 1.5 kW
	Motor coolant pump	40 W
	Supply voltage	400 V
	Phase(s)	3 Ph
	Current type	~
Mains frequency	50 Hz	




	<p>Saw band speed(s) 19 / 38 min-1 Saw blade diameter 315 mm Saw blade bore 40 mm Saw blade thickness 2.5 mm Cutting angle -45 to 45 degree Feed manual Cutting angle adjustment by means of a rotatable bearing block Vice jaw width 135 mm Cutting capacity 0° (round) solid material 85 mm Cutting capacity 0° (square) solid material 85 mm Cutting capacity 0° (rectangle) solid material 70 x 130 mm Cutting capacity +45° (round) solid material 85 mm Cutting capacity +45° (square) solid material 85 mm Cutting capacity +45° (rectangle) solid material 85 mm</p>
Design Specifications	<ul style="list-style-type: none"> • Manual circular metal saws for steel, iron, light metals, solid material and profiles • Slewing range of $\pm 45^\circ$ • Easy readable angle scale allows precise working • Adjustment of the mitre in a matter of seconds • Protected vice spindle • Solid machine base with holes on both sides for the installation of the material stand MSR • Machine base sizes: -- 546 x 620 x 801 mm
Vice	<ul style="list-style-type: none"> • Centric clamping • 4-time guided • Individually adjustable jaws • Cut is always performed in an optimum position to the workpiece



	<ul style="list-style-type: none"> • 4-lever clamping system • Protected vice spindle
Long handle	<ul style="list-style-type: none"> • Allows sawing without large efforts • Integrated push button (On/Off) • Automatic switching on of the coolant pump when sawing
Extent Of Supply	<ul style="list-style-type: none"> • Coolant equipment • Machine substructure • Circular Saw Blade
Coolant pump	<ul style="list-style-type: none"> • Detachable coolant tank • Integrated powerful pump
Machine substructure	<ul style="list-style-type: none"> • Solid • Lockable door
Other Specifications	The product is to be supplied with a specified warranty by the supplier.

Laser Engraver and Cutter

EXAMPLE	QUANTITY REQUIRED
	1x Laser Engraver and Cutter Engraving Laminate Black on White 1220 x 610 x 1.5mm – (QUANTITY X 20) Engraving Laminate White on Black 1220 x 610 x 1.5mm – (QUANTITY X 20) Engraving Laminate Black on Yellow 1220 x 610 x 1.5mm – (QUANTITY X 20)
Laser Engraver and Cutter specifications	
Working table size	1400(x) x 1000(y)mm
Laser Tube type	Sealed CO ² glass
Laser power	100 Watts (130 Watts option)




Cutting speed	0 - 200 mm/sec
Engraving speed	0 - 500 mm/sec
Resolution	±0.01mm
Supports filetype	PLT, DXF, AI, JPG, TIF
Ports	USB 2.0, Ethernet
Software	RDWorks V8
Motor	Stepper
Voltage	AC 110-220V, 50-60Hz
Power Use	<2000W (Total)
Table Type	Blade & Honeycomb
Z-Axis Movement	Yes - electric, 30cm
Focus type	Auto Focus
Water-Cooled	Yes - JZ5200 chiller supplied
Rotary Attachment	Optional extra (from R6000)
Cutting Thickness	0-16mm (material dependant)
Unit Size	1870*1410*1300mm
Gross Weight	500kg
Safety	<ul style="list-style-type: none">• Extraction fan with slinky to extract fumes from laser cutter• Laser safety goggles• Other required PPE
Other Specs	The product is to be supplied with a specified and quoted maintenance plan for 3 years by the supplier.

A




D. Workbench Tables

EXAMPLE	QUANTITY REQUIRED
	<p>6x Workbench Tables</p>

Workbench Tables specifications

Workbench table (1500 x 900 mm) height (900mm) with tabletop (32mm) to have insertion rubber top (3mm)

E. Tools and Trolleys

EXAMPLE	QUANTITY REQUIRED
	<p>7x Tools and Trolleys</p>

Tools and Trolleys specifications

Roller Cabinets	7 Drawers Overall dimensions (670 x460 x885mm)	
Overall Specs	<ul style="list-style-type: none"> All tools chrome vanadium and fully chrome plated. Mirror finish and aluminum free. Tools to be fitted in foam inside the trolley drawers. 	
Tools	Adjustable Wrenches	Twin Pack (200 & 300mm)
	Torpedo Level	230mm




7 Jaw Ratchet Crimping Tool Set	Toolset
Engineer's steel Rules , round end	Round End 300mm
Doubled ended Scriber	180mm length
Ball Pein Hammer Fibreglass Shaft	350mm length handle
Ball Pein Hammer Hard wood shaft	295mm length handle
Insulated Gable Knives, curved blade	180mm length
Insulated dual grip 1000V screwdrivers (7 piece set)	
Tape Measures, auto locking	8m length, 25mm blade width
Heavy duty wire strippers	200mm length
Autoload & Lock Knives	170mm length
Pro-grip junior hacksaw	235mm length
Professional plus hacksaw	400mm length
3 – piece professional quality chrome vanadium plier set	160mm length
Box joint water pump pliers	255mm length
Miniature pliers 6 x piece	
Straight Jaw Bi-Material Handle Grip Wrenches	255mm length
Engineer's & Electrician's screwdrivers 15 x piece	
Pro – Torq Precision Screwdrivers 9 x piece	
Spanner Box Combination 7 x piece metric	
Professional Combination spanners 14 x piece metric	
Socket sets 1/2" and 3/8" square drive 40 x piece set	
Hexagon ball drivers 20 x piece set	
Engineer's second cut file set 14 x piece	
HSS Jobber Drill Set- Bright Finish 25 x piece set, metric	
STD Compound 5 Liter & 500g	
Metric Threading set M3 – M12 HSS ,32 x piece set	
Mechanic's Screwdriver bit set 32 x pieces	

H



	Industrial Lazy Tong Riveter	
	18v cordless combi drill pack with charger and 2 x batteries	
	18v cordless impact driver pack with charger and 2 x batteries	
	Digital Insulation testers	K3007
	CATIV Professional AC/DC clamp meters	K2056R & K2055
	Industrial multimeter	6000 Count LCD display with a 61 segment analogue bar graph


F. Absolute Digimac Callipers

EXAMPLE	QUANTITY REQUIRED
	8x Absolute Digimac Callipers
Absolute Digimac Callipers specifications	
Specifications	<ul style="list-style-type: none"> • Allows direct measurements from power on • Zero-setting of the display is also possible at any slider position • Special functions which allow it to always remember its measuring position even after the gauge has been switched off • Range: 0 in [Min], 0 mm [Min], 6 in [Max], 150 mm [Max] • Resolution (Length): 0.00050 in, 0.01000 mm • Accuracy: ± 0.001 in • Upper Jaw Length: 1.570 in • Lower Jaw Length: 1.570 in • Display Type: Digital LCD .295 in • Batt. Life: 3.5 Years (20,000 hours) • Measuring System: Inch/Metric • Measurement Type: Inside, Outside, Step, Depth



- Mechanism: Rack & Pinion
- Output: SPC
- Type: Plain Caliper
- Wt.: 0.36 lb
- Including carry case

G. Pedestal Drilling Machine

EXAMPLE	QUANTITY REQUIRED
	2x Pedestal Drilling Machine
Pedestal Drilling Machine specifications	
Specs	<ul style="list-style-type: none">• 3 x Geared head pedestal drilling machine – drilling capacity 25mm• Spindle speed 105 – 2900 rpm• Throat 255mm• Spindle taper 3 MT• Spindle travel 135 mma• Motor 0.65/0.95 Kw and 380 v• 3 machine vice 200 to 250 mm



Annexure A: Mandatory Requirements

Description of Appendix	Requirement	Circle yes if submitted	
		Yes	No
RFQ Document	Submission of a detailed and signed quotation	Yes	No
Technical specifications and pricing	Pricing according to the technical specification	Yes	No
Proof of Bank Account	Signed letter from the Bank (not older than 3 Months)	Yes	No
Company registration documents	Supply Company registration documents	Yes	No
Tax PIN	PIN Status certificate	Yes	No
BBBEE certification	A valid BBBEE certificate / An original Sworn-In Affidavit	Yes	No
Declaration of Interest	SBD 4 SBD 6.1 SBD 6.2 SBD 8 SBD 9	Yes	No
CSD	Supply proof of registration with the National Treasury	Yes	No
ID Copy of Company's director(s)	Supply with certified copy of IDs	Yes	No
Complete and sign the official document	Request for proposal form to be completed, signed and email back	Yes	No



Annexure B: Functional criteria

CNC Plasma Cutting Gantry

Functional/Technical criteria	Weighting	0	5	10
<p>Specifications</p> <ul style="list-style-type: none"> • Effective cutting area 2500mm x 6000mm • ADTECH 2300 CNC controller with full nesting function • Auto torch height control included. • Dual Plasma/Flame cutting torch station. • Waterbed or air bed options. • Cutting length can be extended up to 30m. • Plasma cutting thickness up to 50mm depending on plasma power source. • Flame cutting capacity 150mm Mild steel. • Supplied with like "STARCAM" software for nesting and cad function. <p>Plasma Power Source</p> <p>Cutting capacity</p> <ul style="list-style-type: none"> • 0.5mm to 40mm mild steel • 0.5mm to 25mm stainless steel • 0.5mm to 20mm aluminum <p>Hypertherm Power Max:</p> <p>Cutting capacity</p> <ul style="list-style-type: none"> • 0.5mm to 30mm mild steel • 0.5mm to 25mm stainless steel • 0.5mm to 20mm aluminum <ul style="list-style-type: none"> • The product is to be supplied with a specified warranty by the supplier. 	80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
<p>Local service and support capability</p>	20%	Sales only	Limited local technical support.	. Full capable local team with a track record

Twin Column semi-automatic Heavy-duty band saw machine

Functional/Technical criteria	Weighting	0	5	10
<p>Specifications</p> <ul style="list-style-type: none"> Capacity Round 420 mm (16.5") Capacity Square 420 mm (16.5") Capacity Rectangle (HxW) 420x 550 mm (16.5"x21.6") Capacity Triangle 460 x 420 Blade Speed 20-100 m/min Blade Size (LxWxT) 5300x41x1.3 (208.7"x1.6"x0.05") Blade Motor 7.5HP (5.5kW) Hydraulic Motor 2HP (1.5kW) Coolant Motor 1/8HP (0.1kW) Workbed Height 700 mm (27.5") Gross Weight 2300 kgs (5060 lbs) Floor Space (LxWxH) 1100 x 2550 x1900 mm (43.3"x100.4"x74.8"). <p>Design</p> <ul style="list-style-type: none"> The machine is to cut diameter 420mm material Hydraulic dual column design Gearbox designed to accept high lateral pressure (no thermal distortion) Inverter blade drive system which allows infinitely variable blade speeds Adjustable flood coolant system Motor driven, synchronized wire blade brush Carbide blade guides and bearing provides additional blade support Cast-iron hydraulic vice Split vice jaw for reduced burr Automatic hydraulic blade tensioning device Dual valve feed pressure and feed rate system for optimal cutting performance With chip conveyor The product is to be supplied with a specified warranty by the supplier. 	80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
<p>Local service and support capability</p>	20%	Sales only	Limited local technical support.	Full capable local team with a track record

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Handheld fiber laser welding

Functional/Technical criteria	Weighting		
	0	5	10
Specifications	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
	80%		
	LASER 2000 WCC		
Input Power	AC220V±5%/50 HZ		
Scan Width	0-6mm		
Center Wavelength	1080±10nm		
Laser Power	2000W		
Cooling Method	Water cool		
Fiber Cable Length	15m		
Shielding Gas	Argon/Nitrogen		
Shielding Gas Pressure	Welding >3bar, Cutting 4-7bar		
Total Energy Consumption	3kwh		
Electro-optical Conversion Efficiency	≥ 30%		
Welding Thickness	0.5~6mm		
Welding Gap Range	≤ 1mm		
Operating Environment	-10°C~40°C		
Weight (Power source + wire feeder)	128.2kg		
Packed Weight (Power source + wire feeder)	143.6kg		
Dimensions (Ex. small protruding parts)	980 x 420 x 710 mm		

Local service and support capability	20%	Sales only	Limited local technical support.	Full capable local team with a track record
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Circular saw

Functional/Technical criteria	Weighting	0	5	10
<p>Specifications</p> <ul style="list-style-type: none"> Length 560 mm Width/depth 902 mm Height 1765 mm Net weight 235 kg Drive motor output 0.75 / 1.5 kW Motor coolant pump 40 W Supply voltage 400 V Phase(s) 3 Ph Current type ~ Mains frequency 50 Hz Saw band speed(s) 19 / 38 min-1 Saw blade diameter 315 mm Saw blade bore 40 mm Saw blade thickness 2.5 mm Cutting angle -45 to 45 degree Feed manual Cutting angle adjustment by means of a rotatable bearing block Vice jaw width 135 mm Cutting capacity 0° (round) solid material 85 mm Cutting capacity 0° (square) solid material 85 mm Cutting capacity 0° (rectangle) solid material 70 x 130 mm Cutting capacity +45° (round) solid material 85 mm Cutting capacity +45° (square) solid material 85 mm Cutting capacity +45° (rectangle) solid material 85 mm <p>Design</p> <ul style="list-style-type: none"> Manual circular metal saws for steel, iron, light metals, solid material and profiles Slewing range of ± 45° Easy readable angle scale allows precise working 	80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications

<ul style="list-style-type: none"> • Adjustment of the mitre in a matter of seconds • Protected vice spindle • Solid machine base with holes on both sides for the installation of the material stand MSR • Machine base sizes: -- 546 x 620 x 801 mm • Vice: Centric clamping • 4-time guided • Individually adjustable jaws • Cut is always performed in an optimum position to the workpiece • 4-lever clamping system • Protected vice spindle • Long handle • Allows sawing without large efforts • Integrated push button (On/Off) • Automatic switching on of the coolant pump when sawing • Extent Of Supply • Coolant equipment • Machine substructure • Circular Saw Blade • Coolant pump • Detachable coolant tank • Integrated powerful pump • Machine substructure • Solid • Lockable door • The product is to be supplied with a specified warranty by the supplier. 			<p>20%</p> <p>Sales only</p> <p>Limited local technical support.</p> <p>Full capable local team with a track record</p>
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Laser Engraver and Cutter

Functional/Technical criteria	Weighting		
	0	5	10
Working table size	1400(x) x 1000(y)mm		Meets all of the machine specifications
Laser Tube type	Sealed CO ² glass		Meets only some of the machine specifications
Laser power	100 Watts (130 Watts option)		Meets all of the machine specifications
Cutting speed	0 - 200 mm/sec		
Engraving speed	0 - 500 mm/sec		
Resolution	±0.01mm		
Supports filetype	PLI, DXF, AI, JPG, TIF		
Ports	USB 2.0, Ethernet		
Software	RDWorks V8		
Motor	Stepper		
Voltage	AC 110-220V, 50-60Hz		
Power Use	<2000W (Total)		
Table Type	Blade & Honeycomb		
Z-Axis Movement	Yes - electric, 30cm		
Focus type	Auto Focus		
Water-Cooled	Yes - JZ5200 chiller supplied		
Rotary Attachment	Optional extra (from R6000)		
Cutting Thickness	0-15mm (material dependant)		
Unit Size	1870*1410*1300mm		
Gross Weight	500kg		
Safety	<ul style="list-style-type: none"> Extraction fan with slinky to extract fumes from laser cutter Laser safety goggles Other required PPE 		
Other Specs	<ul style="list-style-type: none"> The product is to be supplied with a specified warranty by the supplier. 		
Local service and support capability	20%	Sales only	Limited local technical support.
	80%	Meeting no machine specifications	Meets all of the machine specifications

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Pedestal Drilling Machine

Functional/Technical criteria	Weighting	0	5	10
<ul style="list-style-type: none"> 3 x Gearing head pedestal drilling machine – drilling capacity 25mm Spindle speed 105 – 2900 rpm Throat 255mm Spindle taper 3 MT Spindle travel 135 mm Motor 0.65/0.95 Kw and 380 v 3 machine vice 200 to 250 mm The product is to be supplied with a specified warranty by the supplier. 	80%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
Local service and support capability	20%	Sales only	Limited local technical support.	Full capable local team with a track record

Work Benches

Functional/Technical criteria	Weighting	0	5	10
<ul style="list-style-type: none"> Workbenches Workbench table (1500 x 900 mm) height (900mm) with tabletop (32mm) to have insertion rubber top (3mm) 	100%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications

Tools and Trolleys

Functional/Technical criteria	Weighting	0	5	10
Tools and Trolleys <ul style="list-style-type: none"> Roller Cabinets 7 Drawers Overall dimensions (670 x460 x885mm) All tools chrome vanadium and fully chrome plated. Mirror finish and aluminum free. Tools to be fitted in foam inside the trolley drawers. 	100%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications
Tools <ul style="list-style-type: none"> Adjustable Wrenches Twin Pack (200 & 300mm) Torpedo Level 230mm 7 Jaw Ratchet Crimping Tool Set Toolset Engineer's steel Rules, round end Round End 300mm Doubled ended Scriber 180mm length Ball Pein Hammer Fibreglass Shaft 350mm length handle Ball Pein Hammer Hard wood shaft 295mm length handle Insulated Gable Knives, curved blade 180mm length Insulated dual grip 1000V screwdrivers (7 piece set) Tape Measures, auto locking 8m length, 25mm blade width Heavy duty wire strippers 200mm length Autoload & Lock Knives 170mm length Pro-grip junior hacksaw 235mm length Professional plus hacksaw 400mm length 3 – piece professional quality chrome vanadium plier set 160mm length Box joint water pump pliers 255mm length Miniature pliers 6 x piece 255mm length Straight Jaw Bi-Material Handle Grip Wrenches Engineer's & Electrician's screwdrivers 15 x piece Pro – Torq Precision Screwdrivers 9 x piece Scanner Box Combination 7 x piece metric 				

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Professional Combination spanners 14 x piece metric			
Socket sets 1/2" and 1/4" square drive 40 x piece set			
Hexagon ball drivers 20 x piece set			
Engineer's second cut file set 14 x piece			
HSS Jobber Drill Set- Bright Finish 25 x piece set, metric			
STD Compound 5 Liter & 500g			
Metric Threading set M3 – M12 HSS .32 x piece set			
Mechanic's Screwdriver bit set 32 x pieces			
Industrial Lazy Tong Riveter			
18v cordless combi drill pack with charger and 2 x batteries			
18v cordless impact driver pack with charger and 2 x batteries			
Digital Insulation testers	K3007		
CATV Professional AC/DC clamp meters	K2056R & K2055		
Industrial multimeter	6000 Count LCD display with a 61 segment analogue bar graph		

Absolute Digimac Callipers

Functional/Technical criteria	Weighting	0	5	10
Work Benches <ul style="list-style-type: none"> Allows direct measurements from power on Zero-setting of the display is also possible at any slider position Special functions which allow it to always remember its measuring position even after the gauge has been switched off Range: 0 in [Min], 6 in [Max], 150 mm [Max] Resolution (Length): 0.00050 in, 0.01000 mm Accuracy: ±0.001 in 	100%	Meeting no machine specifications	Meets only some of the machine specifications	Meets all of the machine specifications



- Upper Jaw Length: 1.570 in
- Lower Jaw Length: 1.570 in
- Display Type: Digital LCD .295 in
- Batt. Life: 3.5 Years (20,000 hours)
- Measuring System: Inch/Metric
- Measurement Type: Inside, Outside, Step, Depth
- Mechanism: Rack & Pinion
- Output: SPC
- Type: Plain Calliper
- Including carry case