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|  | SCOPE OF WORK AND THE TECHNICAL EVALUATION CRITERIA FOR STEEL | Unique Identifier | 240-171000038 |
| | | Revision | 0 |
| | | Revision Date | 21 November 2024 |
| | | Distribution Learning and Development Division | |

Scope of Work and Technical Evaluation Criteria GULLOTINE

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| Title: Scope of Work and the Technical Evaluation for supply, delivery/offloading steel | | Document type: Scope of work and Technical Evaluation Criteria |
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1 Document purpose

The purpose of this document is to provide the scope of work and technical evaluation criteria for the supply, delivery of drill presses /commission and provide training **ON “A ONCE OFF BASIS”**.

2. Background

EAL STT training department is transitioning into occupational qualifications following the discontinuation of legacy qualifications soon. We then must re-accredit both the electrical and mechanical artisan schools. The electrical department needs to purchase new training panels to be accredited, able to train and conduct the final integrated assessment.

In the mechanical section pedestal drilling machines are no longer serviceable and our guillotine has stopped operating. The machines are a requirement for accreditation, training and assessment. We therefore need to purchase the machines as soon as possible.

- **SCOPE OF WORK**

3.1 **SUPPLY AND DELIVER 4 ELECTRICAL PANELS. GEARED PRESS. DRILLS GUILLOTINE. INSTALL. COMMISSION AND PROVIDE PRODUCT TRAINING**

Electrical Panels

2.1 Fully auto pole changing / dual speed... (0725093)

4 X Fully automatic pole changing / dual speed training panel timer type control. Consist of a prewired training panel with missing link/trace and repair training panel. Sockets - industrial type electrical enclosure with electrical lock out via isolator connected with 2 metres mains connection cable, components mounted to electrical grade board, CNC engraved component and connection labelling, supplied with complete wiring diagram and user manual. Includes applicable motor / load, includes workstation connected with non-slip worktop and motor or load mount.

2.2 Fully auto transformer training... (0725094)

3X Fully automatic auto transformer training panel timer type control. Consist of a prewired training panel with missing link/trace and repair training panel. Sockets - industrial type electrical enclosure with electrical lock out via isolator connected with 2 metres mains connection cable, components mounted to electrical grade board, CNC engraved component and connection labelling, supplied with complete wiring diagram and user manual. Includes applicable motor / load, includes workstation connected with non-slip worktop and motor or load mount.

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2.3. Cable phasing / termination of 1000v ...(0725089)

3X Cable phasing / termination of 1000 volt four core steel wired armoured cable training panel. Lockable fault insertion box to manipulate connections between phases. Allows for the assembly and commissioning of a cable gland. Design & wire / wiring type training panel. Panel allows for complete circuit wiring. Electrical lock out via isolator connected with 2 metre mains connection cable. Components mounted to electrical grade board. CNC engraved component & connection labelling. Supplied complete with wiring diagram & user manual. Excludes applicable motor / load. Includes workstation connected with non-slip worktop..

2.4. Slip ring hoist...(0725092)

2X Slip ring "hoist" (ac plugging to neutral) forward - reverse training panel (Controlled via 3 step (north - south) type joystick hand controller). Fault finding type training panel. Prewired main & control circuit. Test points included where required. Switched faults are activated via lockable fault enclosure. Electrical lock out via isolator. Connected with 2 metre mains connection cable. Components mounted to electrical grade board. CNC engraved component & connection labelling. Supplied complete with wiring diagram & user manual. Includes applicable motor / load. Includes workstation connected with nonslip worktop & motor / load mount.

Drilling Machines:

Technical Specifications

- Electrical connection 400 V / 3 Ph ~50 Hz
- Total connected load 1.5 kW
- Motor coolant pump 40 W
- Drilling capacity in steel (S235JR) 35 mm
- Continuous drilling cap. steel 30 mm
- Thread cutting in steel (S235JR) M 24
- Throat depth 350 mm
- Spindle stroke 180 mm
- Spindle seat MT 4
- Spindle sleeve feed 2 steps, 0.1/0.2 mm/rev
- Spindle speeds 50 1,450 min-1
- Number of steps 18 steps
- Table work surface length x width 560 x 560 mm
- T-slot size 18 mm, diagonal
- Drilling table slew able and rotatable +/- 90 degree
- Distance spindle drilling table (max.) 780 mm
- Load drilling table 250 kg
- Distance spindle stand max. 1,320 mm

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- Stand work surface L x W 510 x 500 mm
- Stand T-slot size 18 mm
- Stand Number of T-slots 2
- Stand T-Slots distance 150 mm
- Column diameter 150 mm
- Length x width x height 935 x 530 x 2,280 mm
- Total weight 500 kg

Supply a STANDARD SGH-6x2500 Hydraulic Guillotine

Shearing Thickness - 6mm (mild steel) = 0.2362 inches

Shearing Length - 2500mm = 98.43 inches

Strokes Per Minute - 10

Back gauge Travel - 0-600mm = 0-23.62 inches

Blade Shearing Angle - 1°30' Degrees

Worktable Height - 780mm = 30.71 inches

Throat Depth - 120mm = 4.72 inches

Main Motor - 7.5kW = 10.06 horsepower

Hydraulic Oil Tank Capacity - 170liters = 45 gallons

Dimensions - 3040x1610x1620mm = 119.69x63.39x63.78 inches

Weight - 5000kg = 11023.11 pounds

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TECHNICAL EVALUATION TEAM

Table 1: Technical Evaluation Team

| # | Name | Title/ Designation |
|---|-------------------|--------------------------------|
| 1 | Godfrey Nhlapo | Senior Advisor L&D |
| 2 | Japie Engelbrecht | Officer Education and Training |
| 3 | Mandla Ngwenya | Officer Education and Training |
| 4 | Jacob Moletsane | Officer Education and Training |
| 5 | Samuel Mashimbye | Senior Advisor L&D |
| 6 | Oupa Jakes Lebeko | Manager HRD |

TECHNICAL EVALUATION PROCESS

5.1 Technical Evaluation Strategy

The technical team constructed a process to evaluate the proposals to be submitted in response to the enquiry, as outlined below.

5.2 Technical Evaluation Criteria and Scoring Methodology

Tenderers will be evaluated as per the scope of work and technical evaluation criteria on the following listed below.

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Detail technical evaluation criteria

Mechanical

| | Factor | Weight | Sub-factor | Score |
|---|--|--------|--------------------------------|-------|
| 1 | Supplier Capacity: The supplier must have previous work experience on supply of | 15% | 1 Reference | 5% |
| | | | 2 Reference | 10% |
| | | | 3 Reference | 15% |
| 2 | Technical scope requirements: | 40% | Deliver as per the scope | 40% |
| | | | Scope requirements not met | 0% |
| 3 | Technical Support: Commission and provide end user training | 25% | Commission and Train | 20% |
| | | | Not training and commissioning | 0% |
| | Warranty certificate | 20% | 1 to 2 years warranty | 20% |
| | | | No warranty | 0% |
| | TOTAL WEIGHT (s) | 100% | | |
| | THRESHOLD | 70% | | |

Electrical

| | Factor | Weight | Sub-factor | Score |
|---|---|--------|--------------------------|-------|
| 1 | EXPERIENCE The supplier must have previous work experience on building & supplying training panels and must submit 3 contactable references with more than 6 months experience. | 40% | 1 Reference | 12% |
| | | | 2 Reference | 20% |
| | | | 3 Reference | 40% |
| 2 | ADHERENCE TO REQUIRED SCOPE (QUANTITIES, MAKES MEETING IEC, CE STANDARDS) Letter of agreement between the supplier and the original equipment manufacturer that the scope of work will be met as stated above. The supplier to provide the equipment manual or manufacturer's manual. | 40% | 100% Correctness | 40% |
| | | | 80% and above | 30% |
| | | | 60% and above | 10% |
| | | | Less than 60% | 0% |
| 3 | SUPPLY&DELIVERY A commitment letter signed by the supplier (Director) on letterhead to be submitted on adherence to the supply and delivery of scope of work. The letter should also indicate the lead time. | 20% | Asper scope of work | 10% |
| | | | Within 3 months of order | 10% |
| | TOTAL WEIGHT (s) | 100% | | |
| | THRESHOLD | 70% | | |

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Threshold

The threshold on the technical evaluation criteria is 70 %. Tenderers would be deemed technically unacceptable if they score less and will thus not be evaluated further.

5.3 Scoring Methodology

If the threshold score of 70% is not met, Tenderers will be disqualified. Tenderers are requested to provide the relevant supporting documentation to each question in a file as part of their tender submission.