

	Standard	KZN OU
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Title: TECHNICAL EVALUATION STRATEGY AND CRITERIA FOR THE PROCUREMENT OF AN 8 TON COILING AND WINDING MACHINE IN KZN OU

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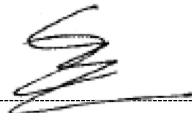


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1. Introduction

This document establishes the technical evaluation criteria for the procurement of an 8 Ton Coiling and Winding Machine, hardware, accessories, installation, commissioning and training for Materials Management in KZN OU.

This document details the technical strategy, the technical criteria, the enquiry returnable and method of evaluation relevant to the tender submission. This document further details the evaluation process.

2. Definitions

Definition	Description
Technical Evaluation Team	The person(s) appointed by Eskom to develop the Technical Tender Strategy, Criteria and perform the evaluation of tender submission(s) in line with Eskom requirements.
Eskom Assessment Representative(s)	The person(s) included by Eskom to participate at various stages of the Tender Process.
Enquiry returnable	Items stipulated in the Tender Enquiry, defined as mandatory and functional, to be submitted as part of the tender submission.
Mandatory Technical Criteria	Mandatory criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted or point scored but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Functional Criteria.
Functional Technical Criteria	Functional Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met. The minimum qualifying score must be obtained for functionality in order for a tender to be considered further.
Supplier	Means a current or potential Supplier, vendor, contractor, consultant, or service provider.
Bidder	Tender responder
Desktop evaluation	An evaluation of the documentation included in the tender returnable.

3. Abbreviation

Abbreviation	Description
KZN	Kwa-Zulu Natal
OU	Operating Unit
SI	Standards Implementation
TET	Technical Evaluation Team

4. Material, Installation, Commissioning, Labour and Training Requirements

Provision shall be made for the manufacture, supply, installation, commissioning and training for the 8 Ton Coiling and Winding Machine. Table 1 provides a breakdown of the material, installation, commissioning and training activities.

Table 1. Eskom DX Central East Cluster KZN OU 8 Ton Coiling and Winding Machine activities

NO.	ESKOM SAP NO	DDT	DESCRIPTION
1.	717441	N/A	MACHINE:8 TON COILING AND WINDING;380 V
2.	N/A	N/A	Supplied with built in overcurrent, earth fault protection and motor starter
3.	N/A	N/A	Supplied with 15m of 3-phase armoured cable
4.	N/A	N/A	Fitted with a 17A 5-pin red IEC 60309 plug (male plug) that plugs into a Gewiss GW 66 453 Industrial socket
5.	N/A	N/A	Installation: Machine to be ground mounted and bolted to a concrete floor in a space of 10 m long and 3m wide
6.	N/A	N/A	Machine to be supplied with spindles that can fit in drum spindle holes with a spindle diameter range of 80mm to 96mm
7.	N/A	N/A	Commissioning of machine after installation
8.	N/A	N/A	Training for 5 Staff at Eskom – New Germany
9.	N/A	N/A	Transport / Delivery (Truck with crane and crane operator required for off-loading and installation)
10.	N/A	N/A	Dismantling and relocation of old unit at Eskom store

5. Technical Criteria and Returnable

The technical criteria stipulate Eskom’s requirements to which the Bidder must comply in order to be considered compliant. The technical returnable is the evidence that is required to be submitted in order to demonstrate compliance to the criteria.

5.1.1. Mandatory Returnable Criteria

Table 2 stipulates the Mandatory Criteria and required returnable to be included in the tender submission. Failure to provide the stipulated evidence will result in the submission being disqualified and the evaluation will not proceed further. Mandatory requirements are listed in table 1 below. There will be no scoring linked to these requirements. A “Yes” or “No” result will be allocated. It is required that the tender submission achieve “Yes” allocation for all mandatory requirements listed on the table below in order to proceed to the next part of the evaluation. If a “No” is allocated to one or more criteria then the submission will be considered non-responsive and will be disqualified.

Table 2: Mandatory Criteria and Returnable

Item	Criteria	Criteria Detailed Requirements	Returnable	Scoring Method
1	Technical Schedule	The technical schedule must be completed with the Bidder's responses included in the Schedule B column and included in the tender submission.	Completed Technical Schedule	Yes/No
2	Deviation Schedule	<p>The Deviation Schedule, stating the Schedule B particulars that deviate from the Schedule A requirements.</p> <p>In addition to stating the deviations, offer motivation to Eskom to accept the deviation (e.g. cost saving, better standard, etc.)</p> <p>If there are deviations noted on the Schedule B returned, and the deviations are not captured on the deviation schedule, then the submission will be considered non-responsive.</p> <p>Where there are no deviations, state "No Deviations" on the deviation schedule.</p> <p>The Technical A&B Schedule file will have the Deviation Schedule sheet on the next tab and any deviations from the Technical A&B Schedule must be listed in the Deviation Schedule.</p>	A copy of the completed Deviations Schedule.	Yes/No
3	Eskom requirements confirmation letter	<p>A Letter to confirm the following:</p> <ol style="list-style-type: none"> a) Machine power supply is 3-phase 380V - 420V supplied with built in overcurrent, earth fault protection and motor starter where required b) Machine will be supplied with 15m of 3-phase armoured cable fitted with a 17A 5-pin red IEC 60309 plug (male plug) that plugs into a Gewiss GW 66 453 Industrial socket c) Machine is ground mounted and bolts to a concrete floor in a space of 10 m long and 3m wide d) Max size of drum is: flange diameter is 2.4m, barrel diameter is 1.2m and drum width 1.5m e) Min size of drum is flange diameter is 0.5m, barrel diameter is 0.4m and drum width 0.5m f) Hydraulic lifting of drums g) Machine can redrum from a coil or drum to a drum h) Machine must be capable to handle drums up to a mass of 8 Tons i) Machine to be supplied with spindles that can fit in drum spindle holes with a spindle diameter range of 80mm to 96mm j) Machine to be capable of redrumming: <ol style="list-style-type: none"> 1) ACSR / AAAC overhead conductors 2) LV ABC cable 3) LV / MV underground cable 	Official letter from the tendering company. Letter to be signed and on the company letterhead.	Yes/No
4	Manufacturer Drawings	A copy of manufacturer drawings showing markings and dimensions.	A copy of manufacturer drawings	Yes/No

5.1.2. Functional Returnable Criteria

The Functional Criteria and required returnable are stated in Table 3 below.

The returnable will be assessed and scores will be allocated accordingly. Negative marking will apply. Final scores shall be stated in percentage terms.

The threshold for these criteria is set at 70%. Submissions failing to meet the stipulated threshold will be deemed non-compliant; the submission will be disqualified and not evaluated further.

Table 3: Functional Criteria and Returnable

Item	Criteria	Criteria Detailed Requirements	Returnable	Weight and Scoring
1	Completed Technical Schedule	<p>The technical schedule completed by the Bidder where Schedule A is the Purchasers specific requirements and Schedule B is the guarantees and technical particulars of material offered by the Bidder.</p> <p>Where the response in column B does not match the column A, then the details of the deviation must be stated on the deviation schedule.</p> <p>Where deviations are noted on the AB Schedules and not described in detail on the Deviation Schedule then the Technical Schedule will be disqualified entirely.</p> <p>Stating "No Deviations" can only be stated if there are no valid deviations.</p>	A copy of the completed Technical Schedule.	Weight: 20%
2	Manufacturer Drawings	A copy of manufacturer drawings showing markings and dimensions.	A copy of manufacturer drawings	Weight: 30%
3	Manufacturers Technical Data Sheet	A manufacturers Technical Data Sheet demonstrating compliance to the minimum requirements stipulated in the AB Schedule	A copy of the manufacturers Technical Data Sheet	Weight: 5%
4	Operating Manuals	A copy of operation manuals: Full English O&M (Operation & Maintenance) manuals and wiring diagrams	Operation Manuals	Weight: 5%
5	Installation, commissioning and training confirmation letter	A letter to indicate the works comprise of installation, commissioning and a training session for 5 people	Official letter from the tendering company. Letter to be signed and on the company letterhead.	Weight: 5%

6	Eskom requirements confirmation letter	<p>A Letter to confirm the following:</p> <ul style="list-style-type: none"> a) Machine power supply is 3-phase 380V - 420V supplied with built in overcurrent, earth fault protection and motor starter where required b) Machine will be supplied with 15m of 3-phase armoured cable fitted with a 17A 5-pin red IEC 60309 plug (male plug) that plugs into a Gewiss GW 66453 Industrial socket c) Machine is ground mounted and bolts to a concrete floor in a space of 10 m long and 3m wide d) Max size of drum is: flange diameter is 2.4m, barrel diameter is 1.2m and drum width 1.5m e) Min size of drum is flange diameter is 0.5m, barrel diameter is 0.4m and drum width 0.5m f) Hydraulic lifting of drums g) Machine can redrum from a coil or drum to a drum h) Machine must be capable to handle drums up to a mass of 8 Tons i) Machine to be supplied with spindles that can fit in drum spindle holes with a spindle diameter range of 80mm to 96mm j) Machine to be capable of redrumming: <ul style="list-style-type: none"> 1) ACSR / AAAC overhead conductors 2) LV ABC cable 3) LV / MV underground cable 	Official letter from the tendering company. Letter to be signed and on the company letterhead.	Weight: 35%
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5.1.3. Desktop Technical Evaluation and Results

The TET will conduct the technical evaluation on all valid bids received. The results of the technical evaluation will be consolidated into a technical report that will be issued to Procurement after the evaluation has been concluded.

The report will state all compliant bids that qualify for further consideration in the procurement process. The report will also provide details related to the findings that resulted in bids being deemed non-compliant.

The report will also include approved concessions or deviations that were considered during the evaluation process.

5.1.4. Factory Assessment and Verification

A factory assessment and sample inspection shall be conducted by the Eskom Evaluation team to validate the evidence submitted throughout the tender process. In addition, the following areas shall be assessed during the manufacturing evaluation:

- Machinery capability
- Plant setup
- Raw material and compounds type tested
- Production process and critical check points
- Design and software design capability
- Material handling and storage
- Testing facilities including certification and calibration of testing equipment
- Packaging

The need for a Factory Assessment and Verification shall be determined by the TET once the functional evaluation has been concluded. If it is determined that the Factory Assessment and Verification is not required, then the Bidder's evaluation will be concluded at this point.

If the Factory Assessment and Verification identifies a deviation from the Bidder's tender submission that is not rectifiable within an acceptable timeline, then the submission will be disqualified.

Annexure A: Standard Templates for Technical Returnable for the Tender Pack

1. Technical Schedule
2. Deviation schedule

Technical Schedules A and B for 8 Ton Coiling and Winding Machine

Schedule A: Purchasers specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

1	2	3	4
Item	Description	Schedule A	Schedule B
1	Product Information		
1.1	• Purchasing details		
1.1.1	Eskom SAP No	0717441	xxxxxxxxxx
1.1.2	Manufacturer	Manufacturer Name xxxxxxxxxx	
1.1.3	Manufacturer's Product Code	Product Code xxxxxxxxxx	
1.1.4	Manufacturer's Drawing number & Revision number	Drawing and Revision Number xxxxxxxxxx	
1.1.5	Manufacturer's physical identification mark on product	Identification Mark xxxxxxxxxx	
1.2	• Mechanical Properties		
1.2.1	Max Load Capacity	kg 8000	
1.2.2	Drum Diameter Range	m 2.4m (max) 0.5m (min)	
1.2.3	Drum Width Capacity	m 1.5m (max) 0.5m (min)	
1.2.4	Barrel Diameter	m 1.2m (max) 0.4m (min)	
1.2.5	Power Supply	V / phases / Hz 380V - 420V/ 3-Phase / 50Hz	
1.2.6	Drive System: Variable Speed Drive (VSD/Inverter) for soft starts	Yes	
1.2.7	Braking System: Mechanical or hydraulic braking for heavy drums.	Mechanical or hydraulic	
1.2.8	Measurement: Integrated digital meter with automatic cut-out.	Yes	
1.2.9	Lifting Mechanism: Dual hydraulic lifting cylinders/jacks.	Yes	
1.2.10	Safety Features: Emergency stop buttons, cage guarding, and overload protection	Yes	
1.2.11	Local Support: Availability of spares/technicians in South Africa	Yes	

1.2.12		Load Test Certification: Valid LME/LMI certified test certificate for 8,000 kg		Yes	
1.2.13		SANS Compliance: Confirmation of adherence to SANS 10142-1 (Electrical) & Machinery Act		Yes	
1.3	•	TRAINING & DOCUMENTATION			
1.3.1		Operator Training: Formal on-site technical and safety training for operators		Yes	
1.3.2		Service Plan: Recommended maintenance schedule and local spares availability		Yes	
1.3.3		Warranty: Minimum 12-month industrial warranty on parts and labour		Yes	
1.3.4		Lead Time: Estimated weeks from deposit/PO to delivery		Weeks	
1.3.5		Delivery/Installation: Quote to include shipping, commissioning and training at our site		Yes	

**NOTE: DEVIATION SCHEDULE CONTINUE ON NEXT PAGE.
IF NO DEVIATIONS ARE MENTIONED ON THE DEVIATION SCHEDULE IT WILL BE ACCEPTED THAT THE SUPPLIER AND MANUFACTURER FULLY COMPLIES WITH THE REQUIREMENTS OF THE ESKOM SPECIFICATON(S).**

SUPPLIER SIGNATURES

Name (Print)

Company Name

Sign

Date

