

	PURCHASE OF NEW MOBILE PLANT EQUIPMENT - HIGH PRESSURE CLEANER SCOPE OF WORK	Bulk Material Services
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Title: **SOW – Purchase of New Mobile Plant Equipment – High Pressure Cleaner**

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Functional Responsibility

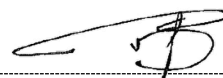


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Date: 20/11/2023

Authorized by



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BMS Mobile Plant - HOD

Date: 20/11/2023

1. Purpose

The purpose of this document is to outline the scope requirements for the purchase of new mobile plant equipment for the Eskom Rotek Industries (ERI) Bulk Material Services (BMS) Mobile plant.

2. Brief overview of our business

Eskom Rotek Industries (ERI) Bulk Material Services (BMS) division provides, amongst other services, yellow/white mobile plant equipment for bulk materials handling (ash and coal) to/in various power stations across the country mainly fossil power station, with the fossil power stations located in the Mpumalanga, Limpopo and Free State provinces/regions.

The yellow/white plant mobile plant equipment is used to provide various services to/for coal yards ash dams and dumps. In order for BMS to provide a high standard of service, a well maintained and reliable mobile fleet is essential, hence the need for cold water high pressure cleaners.

3. Description of Services

The services required are for the supply, delivery of new AC-powered cold water high pressure cleaners, with warranty services, to the ERI BMS mobile plant, Rosherville, Johannesburg.

4. Scope of Work

Below listed, are the Technical specifications that further describe the required equipment:

No.	Boundary/Equipment	Specification
4.1	Power Pack	<ul style="list-style-type: none">• 20 – 30 HP (Horsepower); electric start; diesel engine• 1440 rpm Direct drive to pump
4.2	Pump	<ul style="list-style-type: none">• Three-cylinder heavy duty ceramic piston pump• Forged head brass head pump; glycerine filled pressure pump• Output water pressure – 18 to 25 litres /min; with 0,5 meter suction height• Operating pressure – 30 to 40 Mpa• Adjustable pressure regulator

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No.	Boundary/Equipment	Specification
4.3	Tank and feed	<ul style="list-style-type: none">• 1000 litres extra heavy duty horizontal 3-layerd water tank• 15 to 25m high pressure hose range• Heavy duty / high pressure spray gun with rotary nozzle, with aluminum hose reel
4.5	Weights	<ul style="list-style-type: none">• Mobile Operating weight range – 800 - 1100 kg
4.8	Trailer	<ul style="list-style-type: none">• Brakes meet the following standards: ISO 3450:1996• Double axle Wheeled axial setup with two (2) to four (4) wheel sets, with a spare wheel, with towing hitch with appropriate rating• 16 inch wheel, with spare wheel• Tow hitch rated between 750 to 1150 kg• Licensed and roadworthy
4.9	General requirements	<ul style="list-style-type: none">• Mounted fire extinguishers• 2off Mounted stop blocks• Painted trailer

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5. Equipment monitoring hardware/software

The equipment must be fitted with hardware / software to facilitate realtime monitoring of the following:

- Pressure gauge, Glycerine filled

6. Warranty

- One year/0 – 2500 hours standard, on critical components such as: Pump, Power pack, Workmanship

7. Delivery of Equipment

- Delivery of fully finished product within agreeable timelines from order
- Supplier must deliver/transport the machine to Rosherville, Johannesburg
- Commissioning of product must be within 3 days after delivery on site.

8. After Sales/Market Support

No.	Service
1.	24/7 technical support and parts/spares sales
2.	Average response time of 24 – 48 hours on warranty breakdowns and warranty services and confirmation of aftermarket support for next 6 years minimum
3.	85 -95% OEM Parts availability in stock
4.	7 - 14 days turn-around time to import spares if not available locally
6.	Provide free Operator and Supervisor training within 30 days of delivery
7.	Technical manuals

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9. Recommendations

Recommendations from a technical perspective, will be based on the following conditions:

- Machine complies with the required specifications
- Price
- Product availability
- Technical specification compliance
- Delivery timeframe

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10. Technical Evaluation

Appendix A

Gatekeepers

Tick ✓

• 100% compliance with technical specifications				
Description		Technical Criterion	Scoring Criteria	Weight (%)
1	OEM or Accredited Distributorship			
1.1	Verifiable Proof of OEM status or accreditation	Proof of OEM registration or authorized distributor approval	30 = verified and compliant OEM registration 15 = verified and compliant OEM agreement 0 = not verified and or compliant	
2	Technical compliance			
2.1	Machine specifications. (Refer to scope of work)	Must comply with all machine technical specification as per scope of work	20 = compliant 0 = non-compliant	
2.2	Supplier valid ISO 9001 Accreditation and/or QMS system	Proof of valid ISO accreditation	10 = verified and compliant ISO 9001 accreditation 5 = verified and compliant QMS system 0 = non-compliant	

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Description		Technical Criterion	Scoring Criteria	Weight (%)
3	Delivery schedule			
3.1	Product Delivery Schedule	Written confirmation of product delivery commitment	10 = 0 – 1 months 5 = 1 – 2 months 0 = 3+ months	
4	Aftersales support confirmation			
4.1	24/7 technical support and parts/spares sales	Documentation confirming 24/7 technical support and parts/spares sales	10 = compliant 0 = non-compliant or non-submission	
4.2	The supplier to provide free technical training for Artisans, Supervisor, Technician and Operators within 3 months of delivery	Documentation confirming that the supplier will provide free technical training for relevant personnel and manuals	10 = compliant 0 = non-compliant or non-submission	
4.3	To meet the local manufacturing and assemble content requirements	The supplier to furnish proof that the manufacturing and/or assembling is done in South Africa to support local employment market	10 = local manufacturing 5 = local assembling 0 = international manufacturing and assembling	
Total Weighted Score			/100	

Supplier that does not meet the gatekeepers or obtain a score above 75% will be deemed unacceptable

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11. Supporting documents

NB: Adherence to the following documentation must be proven accordingly during the evaluation process:

- ISO 9001 Quality Management Systems
- OSHAS 1800 Safety Management Systems
- Occupational Health and Safety Act and Regulations (85 of 1993)
- 240-62196227_Eskom Life Saving Rules
- Criminal Procedures Act 51 of 1977
- National Road Traffic Act 93 of 1996
- Labour Relations Act 66 of 1995
- Basic Conditions of Employment Act 75 of 1997

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