

Title: **SOW – Purchase of New Mobile  
Plant Equipment – High  
Pressure Cleaner**

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SOC Ltd

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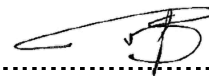


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Engineering

Date: 27/09/2023

Authorized by



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BMS Mobile Plant - HOD

Date: 27/09/2023

## **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:

<b>No.</b>	<b>Boundary/Equipment</b>	<b>Specification</b>
4.1	Power Pack	<ul style="list-style-type: none"><li>• Four-pole, low-speed, robust AC motor</li><li>• 230volt, 50Hz, one (1)-phase; 5 - 10m power cable</li><li>• Connection output range 3 to 4,5kw</li></ul>
4.2	Pump	<ul style="list-style-type: none"><li>• Four-pole, low-speed, robust AC motor</li><li>• Output water pressure – 10 to 18 litres /min; with 0,5 meter suction height</li><li>• Operating pressure – 14 to 24 Mpa</li><li>• High pressure gun recoil force range – 20 to 24 N</li><li>• 3 Cylinder heavy duty ceramic piston pump</li></ul>

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**PURCHASE OF NEW MOBILE PLANT EQUIPMENT -  
HIGH PRESSURE CLEANER**

Unique Identifier:

Revision: **0**

Page: **3 of 10**

---

No.	Boundary/Equipment	Specification
4.3	Tank and feed	<ul style="list-style-type: none"><li>• Heavy duty water tank</li><li>• 10 to 20m high pressure hose range</li><li>• Heavy duty / high pressure spray gun with rotary nozzle</li></ul>
4.5	Weights	<ul style="list-style-type: none"><li>• Mobile Operating weight range – 60 - 120 kg</li></ul>
4.8	Trailer	<ul style="list-style-type: none"><li>• Brakes meet the following standards: ISO 3450:1996</li><li>• Wheeled axial setup with two (2) to four (4) wheel sets, with a spare wheel, with towing hitch with appropriate rating</li></ul>
4.9	General requirements	<ul style="list-style-type: none"><li>• Mounted fire extinguishers</li><li>• 2off Mounted stop blocks</li></ul>

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## **5. Equipment monitoring hardware/software**

The equipment must be fitted with hardware / software to facilitate online real 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**

<b>No.</b>	<b>Service</b>
1.	24/7 technical support and parts/spares sales
2.	Average response time of 9 to 24 hours on warranty breakdowns and warranty services and confirmation of aftermarket support for next 6 years minimum
3.	95% OEM Parts availability in stock
4.	Seven (7) 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 training on specific equipment to Eskom mechanical technician

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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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**PURCHASE OF NEW MOBILE PLANT EQUIPMENT -  
HIGH PRESSURE CLEANER**

Unique Identifier:

Revision: **0**

Page: **6 of 10**

---

**10. Technical Evaluation**

Appendix A

Gatekeepers

- ISO 9001 accreditation.
- 100% compliance with technical specification
- Product delivery time line to not exceed 3 months

Description	Technical Criterion	Scoring Criteria	Weight (%)
<b>OEM or Accredited Distributorship</b>			
Verifiable Proof of OEM status or accreditation	OEM registration or distributorship agreement (Submit signed letter from OEM)	10 = Verified and compliant 0 = Not verified and or compliant	10 0
<b>Capability and Resources</b>			
Proof of OEM repair resources which consists of  Local support facilities in Gauteng and/or Mpumalanga	Inspection of facilities conforming to OEM standards(submit signed letter from OEM)	10 = Acceptable facilities and proof of conformance to OEM standards  0 = Unacceptable standards and or no proof of conformance to OEM standards	10 0

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**PURCHASE OF NEW MOBILE PLANT EQUIPMENT -  
HIGH PRESSURE CLEANER**

Unique Identifier:

Revision: **0**

Page: **7 of 10**

---

Description	Technical Criterion	Scoring Criteria	Weight (%)
<b>Technical compliance</b>			
Machine specifications. Refer to scope	Confirmation of: Engine Kw Transmission speeds ROPS cab Weight Specify standard warranty	20 = Compliant 0 = Non-compliant	20
Equipment monitoring hardware / software as per criteria	Proof of online GPS Location tracking, Hours, Fuel usage, Productivity and Diagnostic codes capability	10 = Compliant 0 = Non-compliant	10
OEM workshop accreditation	Proof of OEM workshop accreditation	10 = Compliant 0 = Not compliant	10
ISO 9001 Compliant	Proof of current ISO 9001 certificate	5 = Compliant 0 = Not compliant	5

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**PURCHASE OF NEW MOBILE PLANT EQUIPMENT -  
HIGH PRESSURE CLEANER**

Unique Identifier:

Revision: **0**

Page: **8 of 10**

---

Description	Technical Criterion	Scoring Criteria	Weight (%)
<b>Aftersales support confirmation</b>			
24/7 technical support and parts/spares sales	Documentation confirming 24/7 technical support and parts/spares sales	3 = Compliant 0 = Non-compliant or non - submission	3
Average response time of 9 to 24 hours on warranty breakdowns and warranty services and confirmation of aftermarket support for next 6 years minimum	Documentation confirming an average response time of 9 to 24 hours on warranty breakdowns and warranty services which include aftermarket support for next 6 years minimum.	6 = Compliant 0 = Non-compliant or non - submission	6
95% OEM Parts availability in stock	Documentation confirming 95% average parts availability (Submit signed letter from OEM). To be verified by ERI through a site visit	11 = Compliant 0 = Non-compliant or non - submission	11
Seven (7) days turn-around time to import spares if not available locally	Documentation confirming a seven day turn-around time to import spares if not available locally	3 = Compliant 0 = Not compliant	3

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**PURCHASE OF NEW MOBILE PLANT EQUIPMENT -  
HIGH PRESSURE CLEANER**

Unique Identifier:

Revision: **0**

Page: **9 of 10**

---

Description	Technical Criterion	Scoring Criteria	Weight (%)
<b>Aftersales support confirmation ... Continues</b>			
Provide free operator and Supervisor training within 30 days of delivery	Documentation confirming free operator training within 30 days of delivery	6 = Compliant 0 = Non-compliant or non - submission	6
Technical training on specific equipment to Eskom mechanical technician	Documentation confirming that technical training can be conducted on specific equipment to Eskom mechanical technician	3 = Compliant 0 = Non-compliant or non - submission	3
Supplier to conduct quarterly machine health monitoring inspections and submit reports to Plant Management	Documentation confirming that quarterly machine health monitoring inspections will be conducted and reports to plant management will be submitted	3 = Compliant 0 = Non-compliant or non - submission	3
<b>Total Weighted Score</b>			<b>100</b>

**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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