

REVISED SCOPE OF WORK & TECHNICAL CRITERIA

SUPPLY, DELIVER AND COMMISSION AN AUTOMATED STABILITY (S-VALUE) ANALYSER SYSTEM, ACCORDING TO ASTM D7157 COMPLETE WITH USB GRAPHIC PRINTER, SUITABLE BALANCE, UPS AND DATA MANAGEMENT SYSTEM TO PETROLEUM SCIENCES LABORATORIES IN ROSHERVILLE, JOHANNESBURG.

SCOPE OF WORK AND TECHNICAL EVALUATION

A Short Contract (SSC3) is required.

The following tasks will be done as part of the contract:

1. Scope of work/supply

To procure, supply, deliver, install, commission instrumentation and provide training on the operation of the System:

Automated stability (S-value) analyser, according to ASTM D7157 complete with USB graphic printer, suitable balance, UPS and data management system.

2. Instruments to be delivered to the following addresses:

PS Oil laboratory (Rosherville)
Eskom Research & Innovation Centre
Oil lab - Block B - Reception
Lower Germiston Road
Rosherville, 2022

Contact person: Mariaan Avis – 082 4933041

3. Specification of Product or Goods

To procure, supply, deliver, install, commission instrumentation and provide training on the operation of the System:

System:

- Automated S-value analyser, according to ASTM D7157 complete with USB graphic printer, suitable balance, UPS and data management system.
- Fully automatic instrument: Automatic dilution, automatic titration and automatic cleaning.
- At least 3 independent test positions.
- No contact with solvents.
- Measures at controlled temperature
- Low level of asphaltenes capability <0.4%
- Test time: Typical 20 minutes per sample.
- Temperature controlled high precision measuring cell.
- ASTM D7157 standard report of S-value, S_o , and S_a .
- Calculate IN (Insolubility Number) and SBN (Solubility Blending Number), as well as the estimation of stability reserve and blending potential.

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4. TECHNICAL EVALUATION CRITERIA 100%

Table 1: Technical Evaluation Criteria (100%)

Requirements		Supplier to provide evidence as follows:	Weight %
Instrument Specifications	Full compliance to specification	<ul style="list-style-type: none"> Itemized compliance statement cross-referencing each specification Manufacturer's technical datasheets with model-specific performance data Fully compliant = 100% Non-compliant with any item = 0% 	15
Support	Aftersales support with <48hr response time	Warranty certificate/letter specifying: <ul style="list-style-type: none"> Parts coverage Labor costs Response time On-site response CVs of local service technicians/ engineers Fully compliant = 100% Non-compliant with any item = 0% 	15
Warranty	Minimum 3-year comprehensive warranty	Warranty certificate/letter specifying: <ul style="list-style-type: none"> 3-years = 15% 2-years = 10% 1-year = 5% 	15
Supplier Experience	Minimum of 3 successful installations of similar systems globally	Purchase orders/contracts with client details (redacted for confidentiality) <ul style="list-style-type: none"> 3 =25% 2 =15% 1 =5% 	25
Training Program	On-site training for operators	Detailed training plan covering: <ul style="list-style-type: none"> Daily operation Maintenance and Troubleshooting Training materials Fully compliant = 100% Non-compliant with any item = 0% 	10
Project Timeline	Delivery, installation and commissioning within 8 weeks after receiving the purchase order	A plan comprising of the following: <ul style="list-style-type: none"> Shipping timeline Customs clearance buffer Installation phases Risk mitigation plan for potential delays Provision of factory performance acceptance criteria to be applied Fully compliant = 100% Non-compliant with any item = 0% 	20
		Total	100
THRESHOLD: 75%			

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5. SHE Criteria

SHE evaluation criteria	Submitted (Yes/No)
1. Annexure B (Eskom Acknowledgement Form for OHS legal and other requirements	
2. Letter of Good Standing	
3. Signed OHS Policy	
4. Baseline Risk Assessment	
5. OHS Plan	
6. 37(2) Eskom Agreement	

Compiled by: Mariaan Avis

Date: 16 October 2025

Approved by: Zanele Khuzwayo

Date: 16 October 2025

Signature: _____

