

SCOPE OF WORK AND TECHNICAL EVALUATION

1. Scope of work/supply

A term service contract (long) is required. The following tasks will be done as part of the term services contract:

For the Calibration, maintenance and provision of spares for nine (9) Kruss Force Tensiometers (IFT instruments) at Eskom Petroleum and Flow Sciences (P&FS) Sites. Calibrations to be conducted annually on site for a period of 24 Months (2 years).

- Calibration of nine (9) tensiometers on various sites on an annual basis.
- Maintain and provide spares as and when required.
- Provide certificate that meet requirements of ISO17025 standard.

2. Specification of Product or Goods

2.1 Service must comply with ISO 9001 or 17025 requirements.

2.2 The supplier must be ISO 17025 accredited or must be able to prove traceability of their equipment used to calibrate to the National Institute of Standards and Technology (NIST) or if not accredited, must provide the following documents as per SANAS TR25 section 3.3:In-House Calibrations:

2.2.1 A documented and validated calibrated procedure or method;

2.2.2 A calibration certificate or report, or some other suitable method of recording the calibration and measurement data;

2.2.3 Appropriate educational and training records to demonstrate the competence of the personnel performing the calibration;

2.2.4 Copies of certificates and reports to demonstrate traceability to the SI system of units or RMs;

2.2.5 All reference standards and measuring instruments shall be calibrated at appropriate intervals, the facility shall have and apply a documented procedure for establishing these calibration intervals;

2.2.6 A documented procedure for the estimation of the measurement uncertainty, which shall be applied for at least each type of calibration. The uncertainty of measurement shall be taken into account when making a statement of compliance;

2.2.7 Records to demonstrate the assurance of the calibration results i.e. participation in Inter-Laboratory Comparisons or Proficiency Testing;

2.2.8 Documented requirements for environmental conditions, and records where applicable; and

2.2.9 Evidence of internal audits of all activities that could influence the quality of calibration results.

2.3 A list of spares/consumables and maintenance requires Annexure A.

2.4 A complete list of equipment is defined in Annexure B.

2.5 A complete list of delivery addresses is provided in Annexure C.

ANNEXURE A: List of spares and maintenance required

Activity required	Description	Consumable/spares	Part number
Maintain Main unit	Supplier need to come to site and perform the activity	Main unit	3000023711
Calibrate Main unit	Supplier need to come to site and perform the activity	Main unit	3000023712
Repairs of Display panel	Supplier need to come to site and perform the activity	Separate Auxiliary unit which controls the instrument	3000023713
Maintain Heating Circulator	Supplier need to come to site and perform the activity	Separate Auxiliary unit which circulate water through the main unit to stabilize temperature	3000023714
Calibrate Heating Circulator	Supplier need to come to site and perform the activity	Separate Auxiliary unit which circulate water through the main unit to stabilize temperature	3000023715
Planar ring (Du Noüy) - standard measuring probe	It is a spare part which we will buy and install ourselves (Consumable)	Platinum/Iridium Radius 9.545 mm and wire diameter 0.37 mm	0689386
Sample vessel - standard	It is a spare glass cup part which we will buy and install ourselves (Consumable)	h-40 mm; diameter 68 mm; Fireproof	0692243
Dressing tool kit	Re-shape planer ring	One base plate, one contact roundness form & one dresser/roller	0703912

Annexure B: Instrument information

Site name	Model	Serial
Bloemfontein	Kriuss11	30001578
Seshego	Kruss K11 MK4	30006868
Seshego	Kruss K11 MK4	30006868
Brackenfell	Kruss K11	30001576
Witbank	Kruss K11	30005059
Rotek Oil Lab	Kruss K11	20029606
Rotek Oil Lab	Kruss K11 MK4	30005057
Rosherville	Kruss K11	30001577
Rosherville	Kruss K11	30005057

Annexure C: List of delivery addresses

Item	Eskom Sites	Address
1	ERIC	Eskom Research & Innovation Centre Oil Lab - Block B Lower Germiston Road Rosherville
2	Rotek	Rotek Oil lab (Next to Site & Switchgear Workshop) 1 Lower Germiston Road Rosherville
3	Brackenfell	Eskom Oil Lab Eskom Road Brackenfell Cape Town
4	Bloemfontein	Eskom Oil Lab C/o Spoornet Depot Loco Street, East End Bloemfontein
5	Witbank	Eskom Oil lab Eskom Park (next to Electrical Workshop) Watermeyer Street Witbank
6	Seshego	Eskom Oil Lab 55 Moletsi street Seshego Polokwane

3. Technical Evaluation

Criteria that will be used to score each tender:	Proof to be submitted	Allocation	Scores	Max Score
On Site at: Bloemfontein, Brackenfell, Rosherville, Rotek, Seshego and Witbank (NB: it must be all sites)	Quote included in tender document and confirmation that work will be conducted on site of all sites.	On Site	45%	45%
Competencies and experience of Supplier	Training records and CV & competency Certificates in calibration and maintenance of IFT for representatives	Competent with 2 and above years of experience.	25%	25%
		Competent with 1 years of experience	10%	
References	References of previous calibrations (Company name, Contact details and responsible person).	3 references	15%	15%
		1 reference	5%	
Service and maintenance	Affidavit	Can service, maintain and supply spares for IFT (Krusk K11 MK4, Krusk K11 and other)	15%	15%
Total				100%

Threshold 75%

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Approved by: NN Khuzwayo

Signature: 
Manager P&FS

Date: 20 October 2021