

TECHNICAL EVALUATION

ITEM NO:	DESCRIPTION:
1	<p>Conduct a Proficiency Testing Scheme for the Coal Lab monthly and Supply Certified Reference Material Standard for the period of three (3) years at Eskom Research, Testing and Development in Rosherville.</p> <p>Scope of work</p> <ul style="list-style-type: none"> • Conducting a Proficiency Testing Scheme: Provide blind samples or test materials to the laboratories for analysis, collect and analyse the test results to assess the laboratories performance. Identify any discrepancies, biases, or areas of improvement for the laboratories testing practices and provide feedback and recommendations to the laboratory. • Supplying Certified Reference Material Standards: Provide the coal laboratory with various Certified Reference Material (CRM) standards tailored to their specific needs and requirements. These CRMs serve as reference materials with known properties, allowing the laboratory to calibrate and validate their testing methods and instruments. • Issuing Reports and Trend Z-Scores: Provide comprehensive reports for each proficiency testing round. These reports must include the test results from participating laboratories, statistical analysis (including z-scores or other performance indicators), and any identified biases or trends. The reports shall be issued within a reasonable timeframe following the completion of testing. • Supplying AI, HGI, AFT and Ash Elemental and General Analysis Samples: On a monthly basis, provide the coal laboratory with samples for analysis. These samples will cover parameters namely, AI (Abrasiveness Index), HGI (Hargrove Grindability Index), AFT (Ash Fusion Temperature), AE Ash Elemental) and PF (Pulverized Fuel) for general analysis. • Supplying PSD (Particle Size Distribution) Samples: Every three months, the supplier shall provide the coal laboratory with samples for analysing the Particle Size Distribution. This information is essential for understanding the size distribution of coal particles, which can impact combustion efficiency, handling, and other aspects of coal utilisation.

Research, Testing & Development (R,T&D) Technical Evaluation criteria	Description	Weighting Criteria %
Adherence to scope of work	Conducting a Proficiency testing scheme monthly <ul style="list-style-type: none"> • Provide reports of the work done in PTS conduct. 	60%
Lead time for delivery of the goods	Delivery of the PTS samples <ul style="list-style-type: none"> • First week of the month 25% • Second week of the month 15% • Third week of the month 10% 	25%
Adherence to scope of work	Supply various Certified Reference Material standards	15%
	<ul style="list-style-type: none"> • 5 days 15% • 10 days 10% • 15 days 5% 	
Total		100%

Threshold 80%

BACKGROUND

- The Coal laboratory at Research, Testing and Development (RT&D) is the Eskom`s central laboratory for coal testing, consulting and research. South African National Accreditation Systems (SANAS), under ISO 17025, accredit most of the analytical methods at the RT&D Coal laboratory.
- As part of compliance to the accreditation body (SANAS) and maintaining accreditation the laboratory is required to participate in the Proficiency Testing Scheme frequently, which helps to indicate the performance of the laboratory in producing quality results.
- Part of the activities the laboratory undertake is the analyses of quality standard as per laboratory methods requirements. The quality standard used is Certified Reference material to ensure that the technic/instrument used is in good condition and producing quality results.

TECHNICAL EVALUATION DONE BY: Phumzile Mabidi (NAME OF END-USER)

SIGNATURE:  _____

DATE: 24.10.2023