

TECHNICAL EVALUATION

ITEM NO:	DESCRIPTION: Providing chemical, physical analyses and preparation of coal samples. for the period of Five (5) years at Eskom Research, Testing and Development in Rossherville.
1	<p>Scope of work</p> <ol style="list-style-type: none">ISO 17025-2017 Accreditation per analysis<ul style="list-style-type: none">• List all parameters that are accredited• Mandatory note: Total sulphur, Calorific value.Turnaround time:<ul style="list-style-type: none">• The supplier to ensure that results are delivered within the agreed turnaround time of 5 days or less.Evidence of prior work done:<ul style="list-style-type: none">• Suppliers are expected to list at least three prior jobs that are similar or bigger in scope in comparison to this tender scope and provide reference letter.Key Personnel:<ul style="list-style-type: none">• Provide a resume for the proposed key personnel.• Resume must include education, experience, and background to ensure that analyst are competent.

Specification of Product or Goods

The following analyses will be required as indicated when. The supplier to indicate all accredited parameters.

- Ash Elementals
- Ash fusion Temperature
- Total Sulphur
- Calorific Value
- Carbon, Hydrogen and Nitrogen
- Chlorine
- Fluorine
- Pulverised sample
- Total moisture
- Size grading
- Abrasiveness Index and
- Hargrove

Technical Evaluation Criteria

Technical		Weight/Percentage
1	<p>Analytical parameters accredited under ISO 17025:2017. Provide the SANAS accreditation certificate.</p> <ul style="list-style-type: none"> • Eight or more out of ten parameters = 50% • Five out of ten parameters = 30 % • Three out of ten = 20% • Two out of ten = 0% 	50
3.	<p>Provide evidence for proficiency testing performance</p> <ul style="list-style-type: none"> • Four and more evidence records = 30% • Three evidence records = 20% • Two evidence records = 10% • One evidence records = 0% 	30
4.	<p>Competency of key personnel</p> <ul style="list-style-type: none"> • Continuous Competency for past two years = 20% • Continuous Competency for past year = 10% 	20
5.	Total	100%

Threshold 80%

BACKGROUND

- Eskom Power Stations and Primary Energy Division require frequent analysis of coal prior to procurement and during the coal contracts period. Coal is one of the primary energy sources for power generation and it is imperative that the quality of coal is determined and confirmed. The metallurgical design of each boiler mandates coal of specific quality to prolong the plant health.
- The RT&D Coal laboratory has turnaround time targets which can be affected by instrument breakdowns leading to extended downtime. As a mitigation to the instrument's downtime, the laboratory outsources the analyses of coal samples to other accredited laboratories. It is critical to have this contract especially now that Eskom is battling with load shedding and coal shortages.

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

Name: Phumzile Mabidi

Signature: 

DATE: 09/01/2023

Name: Patrick Musie

Signature: _____

DATE: