

	TECHNICAL	Template Identifier	240-768	Rev	2
		Effective Date	01 February 2014		
		Review Date	June 2026		

SCOPE OF WORK

1. Description of Service/ product that needs to be provided (Use high level and short text format), and if necessary, add a spreadsheet.

Service/ product	Quantity/Samples	Delivery point of samples
Supply pelletised/briquette coal for a full-scale power station combustion trial at nominated power stations from successful suppliers.	30 000 tons to 50 000 tons	Nominated power station based on pelletised/briquette coal quality
Supply of pelletising equipment and resources to operate and maintain the plant for the duration of the contract.	1	Fines site nominated by the supplier

The key objectives for the procurement of the pelletised coal is to achieve the following:

- To procure from the successful tenderers an amount of pelletised coal between 30 000 tons and 50 000 tons consignment per successful tenderer, for a full scale power station combustion trial at nominated power stations.
- To maintain cost-effective and timely delivery of usable pelletised coal material;
- To ensure producers are compliant to all the relevant legislative requirements;
- To maximise output from the most cost effective solution.
- Due to the research limitations and unit availability limitations at most of the power stations, successful tenderer(s) should each ideally be in a position to produce the minimum of 30 000 – 50 000 tons of the pelletised coal product which is fit for purpose.
- Supply of pelletising equipment capable of producing 20-50kg/hr. The supplier will provide resources for the operation of the plant and maintenance of the plant.

2. Specification of Product or Goods

2.1 The supplier shall ensure that each quality parameter of the coal delivered to Eskom shall comply with the proposed quality specifications set out in the third column of Table 1 hereunder.

Table 1: Pelletised Coal Quality Specifications

Quality parameter	Unit	Quality Specification	Measurement basis
Calorific Value	MJ/kg	19.5 – 24.1	Air Dried
Ash	%	22.2 – 32.0	Air Dried
Sulphur	%	0.4 – 0.9	Air Dried
Volatiles	%	21.3 – 28.8	Air Dried
*Sizing:			
+50mm	%	<5	As received
-1mm	%	≤15.0	


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2.2 The supplier shall ensure that no supplementary ultrafines are blended into the product and is substantially free from impurities and extraneous materials related to the proper mining and processing of fine coal.

2.3 The mode of transport for the delivery of coal will be road. All the suppliers may offer a delivered price clearly showing the transportation components such as Rate per km/t and also transport cost per tonne.

3. Technical Evaluation Criteria

Service/ product	R,T&D Weighting Criteria [%]
Fine Coal: 15% <ul style="list-style-type: none"> Fine coal qualities - chemical results including size grading which provides the range in quality, will be evaluated based on Eskom minimum coal quality spec – (7%), Origin/location of fine coal – supplier of fine coal – (8%), Suppliers who were successful in Phase II of ERIC7297 need to only confirm that the status of fines they had supplied during Phase II haven't changed and will be awarded (15%). 	45.00
Briquette Coal: 30% <ul style="list-style-type: none"> Chemical results which provides the range in quality, will be evaluated based on Eskom minimum coal quality spec – (10%), Water absorption capacity and drying rate – maximum score will be based on pellets/briquettes that maintain their integrity (provide a report from a laboratory that did the test) – (15%), Size of pellet/briquette, will be evaluated based on Eskom minimum coal quality spec – (5%), Suppliers who were successful in Phase II of ERIC7297 need to only confirm that the status of pellets/briquettes they had supplied during Phase II haven't changed and will be awarded (30%) 	
Pelletising or briquette manufacturing plant details: <ul style="list-style-type: none"> Pelletising Method, maximum score based on optimum method (4%) Potential monthly production rate, maximum score will be based on higher production rate on successful briquettes (4%) Nature of the product (pellet/briquette), briquette will score maximum points subject to it passing the water absorption capacity and drying rate (provide a report from a laboratory that did the water absorption test) (5%) Features of the binder if used (organic or inorganic and approximate proportions, maximum points will be awarded based on devolatilisation index burnout time (5%) Status of the plant – is plant up and running, maximum points will be awarded to suppliers whose plants are up and running (4%) 	30.00

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Pilot Scale Combustion Tests details: <ul style="list-style-type: none"> Provision of Pilot Scale Combustion test report for the pellets/briquettes (8%) <p>Suppliers who were successful in Phase II of ERIC7297 need to only confirm that the status Pelletising or briquette manufacturing plant details in Phase I haven't changed and will be scored (30%)</p>	
Ability to supply 30-50 kT of pelletised/briquette coal <ul style="list-style-type: none"> Within 6 months from the date of purchase order (25%) Within 8 months from the date of purchase order (20%) Within 12 months from the date of purchase order (15%) Within 14 months from the date of purchase order (0%) 	25.00
Total Score	100

Threshold is 90%