

Criteria No.	Functionality Criteria	Max points
	ENGINEERING	100%
1	Previous experience with regards to the manufacture and supply of castings (50kg+) in the power and mining industry. (submit previous contract/order number , description and/or Client contact details. Will allocate 5% for each relevant reference, maximum of 5%.)	10
2	Proof that the company owns a foundry or proof of a dedicated subcontract foundry and that the company will use this foundry to manufacture the components. (submit proof of owning a foundry 20%. Will allocate 10% for having a subcontract / agreement or letter of intent in place.). Maximum points that can be obtained is 20%))	20
3	Proposed Lead Times for tendered components per set. Providing a program indicating lead times. (Will allocate 0% for lead times more than six weeks, 2.5% for lead times more than five weeks but less than six weeks and 5% for lead times of four weeks but less than five weeks .). Maximum points that can be obtained is 5%)) per set	5
4	Supplier and foundry ISO 9001 accredited. (submit certificate will get you 5%. No certificate = 0%). Maximum points that can be obtained is 5%))	5
5	Compliance with comply with Eskom specification 240-60871812 Specification for Tube Mill Liner Material (submit letter stating that the supply will comply with the Eskom Specification will get you 15%. No commitment = 0%. Maximum points that can be obtained is 15%))	15
6	Design Capability and CAD.	
6.1	Staff Qualification and Experience (Engineer/Technologist/Technician) (Submit CV of Engineer/Technologist/Technician with qualifications and experience. Applicable engineering / technologist qualification = 2.5%, more than 2 years relevant experience = 2.5%. Maximum points that can be obtained is 5%)	5
6.2	Staff Qualification and Experience (Metallurgist/Lab Technician)) (Submit CV of Metallurgist/Lab Technician with qualifications = 2.5%. Submit their CV showing they have more than 2 years relevant experience = 2.5%). Maximum points that can be obtained is 5%))	5
6.3	Engineering Design Capability (Submit proof of FEM capabilities, casting simulation software and drawing packages (Solid Works, CAD)) Maximum points that can be obtained is 5%))	5
7	Pattern Manufacture or dedicated subcontractor. (Provide proof of Capability to use CNC technology = 3%, pattern machining/repair equipment = 4%, measuring equipment and moulding capability = 3%. Maximum points that can be obtained is 10%).	10
8	Manufacturing of Castings and Heat Treatment (35 %) (submit 1 data book for 1 component with all information)	
8.1	Heat Treatment Facilities and Capabilities (Annealing, Tempering, Quenching (Air, Oil) (Submit letter indicating if the supplier has their own heat treatment facility or if they will be subcontracting heat treatment)(if provided 5% , none = 0%). Maximum points that can be obtained is 5%	5
8.2	Provide Heat Treatment Charts (Previous suppliers need to submit a previous heat treatment chart for similar component. New supplier need to submit dummy heat treatment charts) (if provided 5% , none = 0%). Maximum points that can be obtained is 5%	5
8.3	Verification of Microstructure, retained austenite determination(If microstructure verification is done by the Supplier: Submit a Completed and Signed-off microstructure report for 1 similar component. If a sub-contractor is used to do microstructure verification: Submit a Completed and Signed-off microstructure	5

	report for 1 component (if provided 5% , none = 0%). Maximum points that can be obtained is 5%	
8.4	Verification of Material Composition (If material composition verification is done by the Supplier: Submit a Completed and Signed-off material composition report for 1 similar component. If a sub-contractor is used to do material composition verification: Submit a Completed and Signed-off material composition report for 1 component AND Submit a letter of intent indicating the sub-contractor that will be used to do material composition verification (if provided 5% , none = 0%). Maximum points that can be obtained is 5%	5
8.5	Verification of Through Hardness (If Through Hardness verification is done by the Supplier: Submit a Completed and Signed-off Through Hardness report for 1 similar component. If a sub-contractor is used to do Through Hardness verification: Submit a Completed and Signed-off Through Hardness report for 1 component AND Submit a letter of intent indicating the sub-contractor that will be used to do Through Hardness verification (if provided 5% , none = 0%). Maximum points that can be obtained is 5%	5
8.6	NDT (Crack Testing and Defect Determination) (If NDT is done by the Supplier: Submit a Completed and Signed-off NDT report for 1 component. If a sub-contractor is used to do NDT: Submit a Completed and Signed-off NDT report for 1 component AND Submit a letter of intent indicating the sub-contractor that will be used to do NDT) (if provided 5% , none = 0%). Maximum points that can be obtained is 5%	5
8.7	Calibration of Equipment (Submit a full list of calibrated equipment and calibration certificates) (if provided 5% , none = 0%). Maximum points that can be obtained is 5%	5
9	Machining and fettling capability. (Submit proof of machine/s used to machine holes into liners, if provided 2.5% , none = 0%) (Submit proof of fettling equipment used, if provided 2.5% , none = 0%) Maximum points that can be obtained is 5%)	5
10	Factory assessment to ascertain general capability and competence to meet Eskom specifications of the foundry. (Provide documented proof of inspection records attached to score sheet) Maximum points that can be obtained is 5%)	5
		Total:
	Tenders will be expected to score at least the minimum threshold of 80% per functional area to proceed to the next phase.	Yes / No