

APPENDIX A: TECHNICAL EVALUATION CRITERIA**THE SUPPLY AND DELIVERY OF BOILER TUBING SPARES AT ARNOT
POWER STATION****MPGXC006631R**

Company:						
Mandated Requirements			Scoring		Weight	
1		A valid and current Third Party/Notified Body certification (as contemplated in EN 764-5 clause 4.2) that the plant from which tubing is to be produced has been audited and authorised as having a quality assurance system for material manufacture in accordance with PED 97/23/EC or 2014/68/EU (Pressure Equipment Directive) to produce the material grades and dimension ranges consistent with those tendered for or quoted in tender returnables.	Yes/No			
2		List of previous supply of materials and dimensions tendered for or quoted in tender returnable documents, for the last five years. The list shall include, at the very least, the following details: dates of delivery, material grade, dimensions, tonnage/quantity and user contact details.	Yes/No			
Qualitative Requirements				L2	L1	
		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Sub Weighting (%)	
1	Details of manufacturing plant:			20		
	1.1	Trading or formal business name of the manufacturing plant.	100% = 5 80% = 4 40% = 2 Non responsive = 0		40	

	1.2	Street and postal addresses, contact names and telephone numbers of top/senior plant managers, along with their respective organizational roles.	100% = 5 80% = 4 40% = 2 Non responsive = 0		30	
	1.3	The site of manufacturing, inspection, testing, and release – if any activity is done at a different location or facility other than at the main manufacturing plant shall also be listed.	100% = 5 80% = 4 40% = 2 Non responsive = 0		30	
2	Steel-making process			20		
	2.1	The foundries used to supply cast billets for the manufacture of all tubing shall be listed in the tender returnable documents.	100% = 5 80% = 4 40% = 2 Non responsive = 0		20	
	2.2	Raw materials and scrap control by foundries shall demonstrate control measures that are in place to ensure low contamination levels from trace, dangerous (poisonous and radioactive) and any other undesirable elements	100% = 5 80% = 4 40% = 2 Non responsive = 0		40	
	2.3	The material manufacturer shall provide Eskom with a short technical description of its steel-making process to ensure the production of “clean” steel. Note: Only fully killed steels shall be acceptable to Eskom	100% = 5 80% = 4 40% = 2 Non responsive = 0		40	
3	Heat Treatment			20		
		Valid or current calibration certificate(s) for facilities used for the heat treatment of tubing shall be provided with tender returnable documents	100% = 5 80% = 4 40% = 2 Non responsive = 0		50	
		Heat treatment plans or schedules for each material tendered for or quoted shall be provided with tender returnable documents. The heat treatment plans or schedules shall, at least, include the following information: 3.2.1 Heating and cooling rates. 3.2.2 The heating and cooling mediums. 3.2.3 Holding temperatures and holding times.	100% = 5 80% = 4 40% = 2 Non responsive = 0 (Score each item separately and calculate an average final score)		50	

		The heat treatment plans may be provided in the form of schematic				
4	Chemical composition			15		
	4.1	Declaration of compliance with chemical composition as per clause 3.3.4 of document 474-12132: Technical Specification for Procurement of Boiler Tubing Across the Eskom Generation Fleet of Coal-Fired Power Plants.	Declaration submitted = 5 Non responsive = 0		40	
	4.2	Procedure for adequate measures for the control of Delta Ferrite formation in these steels shall be put in place and provided to Eskom as part of the tender returnable documents. Refer to chemical composition as per clause 3.3.4 of document 474-12132: Technical Specification for Procurement of Boiler Tubing Across the Eskom Generation Fleet of Coal-Fired Power Plants.	100% = 5 80% = 4 40% = 2 Non responsive = 0		60	
5	Creep Data			15		
	5.1	In line with the provisions of Appendix B of EN 12952-2, the material manufacturer shall furnish to Eskom verification of the creep test results for materials intended for operation in the creep range ($\geq 450^{\circ}\text{C}$). The creep tests results shall be based on tests conducted by the material manufacturer from heats of a given material produced from its own plant. The creep tests results shall be based on actual data for each material grade tendered for or quoted in tender returnable documents. The minimum test duration for the actual creep	Creep data/ Declaration submitted = 5 Non responsive = 0		100	

		test shall be 40 000 hrs. The material manufacturer shall provide this data with the tender returnable documents or provide a written declaration that the data will be made available to Eskom personnel during a factory or site assessment or at any stage prior to contract award.				
6	Compliance to document 474-12132			10		
	6.1	Declaration for compliance to document 474-12132: Technical Specification for Procurement of Boiler Tubing Across the Eskom Generation Fleet of Coal-Fired Power Plants	Declaration submitted = 5 Non responsive = 0		100	
Minimum Threshold				70%		
Total				100%		