

Addendum to the Technical Evaluation Criteria

Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Appointed NDT Level 3 compliant with the Eskom Standard 240-83539994 (Standard for NDT on Eskom Plant) in terms of roles and responsibilities.	<p>1.a)Appointment letter signed by NDT level 3 and employer for acceptance (the appointment letter must be signed by the employee and employer)</p> <p>1.b)Valid NDT Level 3 certificates certified to ISO 9712</p>	<ul style="list-style-type: none"> - The NDT Service Provider (SP) Level 3 is the responsible suitably qualified persons that has oversight of an NDT system
2.	Appointed Metallurgist	<p>2.a)Appointment letter signed by the metallurgist and the employer for acceptance (the appointment letter must be signed by the employee and employer)</p>	<ul style="list-style-type: none"> - The metallurgist is responsible for on-site evaluation of the replica quality before the replicas are sent to Eskom metallurgist for final life assessment.
3.	NDT Procedures compliant to Eskom standard and the minimum relevant applicable EN ISO code requirements <ul style="list-style-type: none"> - Tube SOLO Procedure - Metallographic Replication Procedure 	<p>3.a)Signed NDT Procedure referencing the EN and/or ASME code to which it is drawn up from and authorised by the Service Provider NDT Level 3.</p>	<ul style="list-style-type: none"> - An NDT procedure is essential because it specifies a set of principles and minimum requirements required to perform a particular inspection.

Technical evaluation criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Scoring	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	NDT Procedures and Core Crew Personnel Requirements				50	
	1.1	<p>NDT Procedures showing all the required equipment for execution of the job for the following methods</p> <ul style="list-style-type: none"> - Tube SOLO Procedure - Metallographic Replication Procedure <p>Service Provider to list and demonstrate that all their equipment meet the minimum specification as per Eskom Standard 240-134999797</p>	<p>1.1.1. Authorised and Signed NDT Procedures by the appointed Level 3 (Procedures must be current and signed by NDT Level 3)</p>	<ul style="list-style-type: none"> - For all listed NDT methods showing all the equipment = 5 - Anything other than the above = 0 		30
	1.2	<p>Personnel and Company Authorisation to cover core crew</p> <ul style="list-style-type: none"> A. 1 x Metallurgist CV B. 1 x Level 3 NDT Personnel C. 10 x Replica Technicians CV with Eskom competency certification 	<p>1.2.2. Signed Appointment Letters – Signed by the employee and employer</p> <p>1.2.3. CV's with copies of qualifications/certificates</p> <p>1.2.4. Internal drone and crawler operator competency certificate/letter</p>	<ul style="list-style-type: none"> - For all listed personnel (A – F) more than 3 years industry experience = 5 - For any listed personnel (A – F) with less than 3 years experience but more than 1 years experience = 4 		20

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		D. 1 x UT Level 2 (supervisor) with Eskom competency certification E. 2 x UT Level 1 with WT with Eskom competency certification F. 1 x Safety Personnel G. 1 x Drone Operator H. 1 x Admin Personnel		<ul style="list-style-type: none"> - For any listed personnel (A – F) having less than 1 years experience = 2 - Anything other than the above = 0 - No attached Signed Appointment Letters for one or more personnel = 0 - No CV's attached for one or more personnel = 0 - No certificates and company authorisation attached for one or more personnel = 0 - The admin Personnel need not have 3 years experience but their CV must be attached. 		
2.	Industry involvement				30	
	2.1	NDT Service Provider Experience in the execution of similar scope of works	2.1.1. Previously held contracts to execute a similar NDT scope of work (any of the following) <ul style="list-style-type: none"> - Verifiable References - Certified Copies Completion certificates 	<ul style="list-style-type: none"> - 36 or more cumulative active months = 5 - 13 to 35 cumulative active months = 4 - Less than 13 cumulative active months or new in 		20

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Scoring	Criteria Weighting (%)	Criteria Sub Weighting (%)
			- Orders	<p>the industry and has scored a 5 in both criteria 1.1 & 1.2 above = 2</p> <p>- Anything other than above = 0</p>		
	2.2	<p>Inspection reports meeting NDT SP procedure reporting requirements (and code requirements) and report templates of the inspection report for metallographic replication and Tube SOLO.</p>	<p>2.2.1.Three (3) previous inspection reports for each method (Tube SOLO and Metallographic Replication) for the last years</p> <p>2.2.2.Report Templates for all inspections methods</p>	<p>- Submitted the required NDT reports for all methods plus the templates reports for all methods in the last 3 years = 5</p> <p>- Does not have previous inspections reports but has submitted all the report templates for all the methods mentioned = 4</p> <p>- No previous reports and no report templates = 0</p>		10
3.	Equipment and Consumables				20	

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Scoring	Criteria Weighting (%)	Criteria Sub Weighting (%)
	3.1	<ul style="list-style-type: none"> - Calibrated NDT equipment (If supplier intends to lease out equipment, he must demonstrate that equipment can be made available within 2 weeks if contract is awarded) 	<p>3.1.1. Spreadsheet controlled list of all calibrated equipment</p> <p>3.1.2. Valid calibration certificates</p>	<ul style="list-style-type: none"> - Tube SOLO machine calibrated (including additional to outage scope) = 5 - Only submitted calibration certificates but has not submitted the control spreadsheet = 4 - Expired Calibration Certificates = 0 - No submission = 0 		10
	3.2	<p>1 x High-tech remote controlled drones with the following minimum specification:</p> <p>Camera: 12MP with 2x Optical Zoom capability or have attached camera with these minimum specs</p> <p>Video transmission: 1080P 4K</p> <p>Durability: Dust and Water Resistant,</p> <p>Flash Light: 3000 Lumens or has capacity to attach a flash light with minimum 3000 Lumens</p> <p>Flight time: 30 minutes</p> <p>Speed: 20km/h</p> <p>Payload: 2Kg</p> <p>Camera Storage Capacity: 8GB internal storage or SD card support at least 64GB</p>	<p>3.2.1. Technical Specification of the Drones and Crawler with colour pictures of the equipment the company has or to be procured or leased.</p> <p>3.2.2. A technical report on how the drone and the crawler work and how they will be used at Medupi Power Station for inspections of boilers and their equipment.</p>	<ul style="list-style-type: none"> - Submitted the full technical specification and technical report for the drones and crawlers with the minimum required specification = 5 - Submitted the Technical specifications and report but technical specification not meeting the minimum requirements = 0 		10

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	<p>Dimensions: The longest length in any axis must not exceed 600mm when in flight. When launched the drone must be able to fit through the smallest boiler manhole of 600mm diameter without obstruction.</p> <p style="text-align: center;">AND</p> <p>1 x High Tech remote controlled pipe crawler that can fit in a 50mm ID inspection nozzle and be able to crawl in a minimum 20m long header pipe. The crawler shall have:</p> <p>Camera: Minimum 5MP with Optical Zoom capability or have attached camera with these minimum specs</p> <p>Video transmission: Minimum 720P</p> <p>Durability: Dust and Water Resistant,</p> <p>Flash Light: Bright</p>				
				TOTAL: 100	

Minimum Threshold = 70 %

