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1. INTRODUCTION

The control and instrumentation systems at the Vanderkloof Hydroelectric Power Station have exceeded their useful life, thereby posing an operational risk to the plant. As part of the power station Life of Plant Plans (LOPP), based on the remaining power plant commercial operation life and the engineering strategy, the Control and Instrumentation systems on the plant need to be replaced. Replacements are necessary to maintain the current level of plant availability and to improve the reliability, as well as the maintainability, of the power station.

This document establishes Technical Evaluation Strategy for the evaluation of tender that will be received in response to the request for the Tender for C&I Site Construction at Vanderkloof Hydroelectric Power Station.

This document seeks to provide clear mandatory and qualitative evaluating criteria that will be used during technical evaluations upon Supply and Installation of C&I equipment including cabling works for the Vanderkloof Control Systems. The document has been developed in accordance with the [1] 240-48929482 Eskom Technical Evaluation Procedure.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the Technical Evaluation Team (TET) to complete the technical evaluation for the C&I Site Construction for enquiry.

The Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation Criteria
- Qualitative Evaluation Criteria
- TET Members Responsibilities
- Acceptable / Unacceptable Qualifications

Once the Technical Evaluation Strategy is authorised no changes will be made to evaluation criteria without appropriate authorisation.

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document is applicable for Peaking Engineering and Vanderkloof Hydroelectric Power Station.

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2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] 240-48929482: Tender Technical Evaluation Procedure
- [2] 240-44682850: Provide Engineering During Project Sourcing
- [3] 32-1033: Eskom Procurement and Supply Chain Policy
- [4] 32-1034: Eskom Procurement and Supply Chain Procedure

2.2.2 Informative

- [1] 160A/14666-18: VDK_Stn_U C&I Upgrade Technical Specification C&I Site Construction Works

2.3 DEFINITIONS

2.3.1 Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary).

2.4 ABBREVIATIONS

Abbreviation	Description
C&I	Control and Instrumentation
EDWL	Engineering Design Work Lead
ISO	International Organisation for Standardisation
LDE	Lead Discipline Engineer
TET	Technical Evaluation Team
VDK	Vanderkloof Hydroelectric Power Station

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure.

2.6 PROCESS FOR MONITORING

As per 240-48929482: Tender Technical Evaluation Procedure.

2.7 RELATED/SUPPORTING DOCUMENTS

- [1] 240-53716712: Tender Technical Evaluation Results Form Template
- [2] 240-53716726: Tender Technical Evaluation Scoring Form Template
- [3] 240-53716746: Tender Technical Evaluation Report Template

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3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

A weighted score-card approach is used to evaluate the technical compliance of tenders against the technical specification. Tenderers need to have a weighted score of 80% overall or more to technically qualify for further evaluating. The evaluation of the tender submission will be based on the tender's ability to meet the technical requirements.

Mandatory Technical Evaluation Criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted or point score but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criteria shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

Qualitative Technical Evaluation Criteria are weighted evaluation used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion. The minimum weighted final score (threshold) required for the tender to be considered from the technical perspective is 80% to ensure credibility of the tenderer to provide the work required since Eskom is acting as the **Design Authority** (i.e. Eskom is accountable and responsible for the design work) on this project and the reviewers from the Design Review Committee has reviewed and approved the design documentation to ensure that:

- the design or work to be supplied by the tenderer satisfies the design requirements.
- the design baseline that was approved for the technical specification is met.
- all relevant design standard, procedure and guidelines are adhered to.
- the design or work to be supplied by the tenderer is suitable and correct (technical specification, design drawings, design manuals and operating manuals, assembly dimension, voltage, and current ratings etc.).

Eskom as the **Owners engineers** has specified these items in schedules and thus requires a high degree of compliance with schedule A in order to reduce the project risk, comply with existing design and maintenance philosophies and to ensure a common asset base is maintained amongst Hydro and pump storage sites in Peaking. The scoring table for the Qualitative Technical Evaluation Criteria is as follows:

Table 1: Qualitative Evaluation Criteria Scoring Guideline

Score	(%)	Definition
5	90 – 100	Compliant
4	80 – 89	Compliant with associated qualification
2	50 – 79	Non-compliant
0	0 – 49	Totally deficient or non-responsive

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3.2 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1		
TET 2		
TET 3		
TET 4		
TET 5		
TET 6		
TET 7		
TET 8		
TET 9		

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA ON TENDER CLOSING

Table 3 define all Mandatory Evaluation Criteria to be used as well as reference to specification and motivation for Criteria use.

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria	Yes/No
	N/A	N/A	N/A	N/A

Table 3: Mandatory Technical Evaluation Criteria on Tender Closing

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA ON TENDER CLOSING

Table 4 define all Qualitative Evaluation Criteria to be used as well as reference to specification and specific weighting / sub weighting.

	Qualitative Technical Criteria Description	Weighting		Reference to Technical Specification	Tenderer Score
1	Cabling and Racking	20%	100%	Tender Returnable	
1.1	Tenderer supplies the required industrial cable racks as per <i>Works Information section 3.1.3 and 3.2.6</i>		25%	Datasheets	
1.2	Tenderer supplies the required industrial cable wire mesh as per <i>Works Information section 3.1.3 and 3.2.6</i>		15%	Datasheets	
1.3	Tenderer supplies the required cable rack earthing as per <i>Works Information section 3.1.3 and 3.2.6</i>		10%	Datasheets	
1.4	Tenderer supplies the required low voltage cables as per <i>Works Information section 3.2.4.1 and 3.2.7</i>		15%	Datasheets	
1.5	Tenderer supplies the required control and instrumentation cables as per <i>Works Information section 3.2.4.2 and 3.2.7</i>		20%	Datasheets	
1.6	Tenderer supplies the required network communication cables as per <i>Works Information section 3.2.4.3 and 3.2.7</i>		15%	Datasheets	
2	Components and Consumables	5%	100%	Tender Returnable	
2.1	Tenderer supplies the required Components as per <i>Works Information appendix B</i>		50%	Datasheets	
2.2	Tenderer supplies the required Consumables as per <i>Works Information appendix B</i>		50%	Datasheets	
3	Instrumentation Works	10%	100%	Tender Returnable	
3.1	Tenderer supplies the required pressure transmitters as per <i>Works Information section 3.2.16.1</i>		10%	Datasheets	
3.2	Tenderer supplies the required differential pressure transmitters as per <i>Works Information section 3.2.16.1</i>		5%	Datasheets	
3.3	Tenderer supplies the required pressure gauge as per <i>Works Information section 3.2.16.1</i>		5%	Datasheets	
3.4	Tenderer supplies the required Reed Level transmitters as per <i>Works Information section 3.2.16.2</i>		10%	Datasheets	
3.5	Tenderer supplies the required Reed Sensor for Bypass level indicators as per <i>Works Information section 3.2.16.2</i>		10%	Datasheets	

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3.6	Tenderer supplies the required Magnetic Display for Bypass Level Indicator as per <i>Works Information section 3.2.16.2</i>		10%	Datasheets	
3.7	Tenderer supplies the required Magnetic Switch for Bypass Level Indicator as per <i>Works Information section 3.2.16.2</i>		5%	Datasheets	
3.8	Tenderer supplies the required Conductive Point Level Detection as per <i>Works Information section 3.2.16.2</i>		5%	Datasheets	
3.9	Tenderer supplies the required Electromagnetic Flow Meter as per <i>Works Information section 3.2.16.3</i>		5%	Datasheets	
3.10	Tenderer supplies the required Temperature instruments as per <i>Works Information section 3.2.16.4</i>		10%	Datasheets	
3.11	Tenderer supplies the required tubing and fittings as per <i>Works Information 3.2.16</i> and attached drawings		10%	Datasheets	
3.12	Tenderer supplies the required manifolds as per <i>Works Information 3.2.16</i> and attached drawings		5%	Datasheets	
3.13	Tenderer supplies the required isolation valves as per <i>Works Information 3.2.16</i> and attached drawings		5%	Datasheets	
3.14	Tenderer supplies the required instruments accessories as per <i>Works Information section 3.2.16</i> and attached drawings		5%	Datasheets	
4	Junction Boxes	5%	100%	Tender Returnable	
4.1	Tenderer supplies Junction Boxes as per <i>Works Information section 3.2.11</i>		100%	Datasheet	
5	Network Cabinet and Server Racks	5%	100%	Tender Returnable	
5.1	Tenderer supplies the required Network Cabinet as per <i>Works Information section 3.2.15</i>		100%	Datasheet	
6	Decommissioning	5%	100%	Tender Returnable	
6.1	Decommissioning of cables and placing in allocated area as per <i>Works Information section 3.2.5</i>		20%	Sample Method statement	
6.2	Decommissioning of panels and placing in allocated area <i>Works Information section 3.2.5</i>		15%	Sample Method statement	
6.3	Decommissioning of junction boxes and placing in allocated area <i>Works Information section 3.2.5</i>		5%	Sample Method statement	
6.4	Decommissioning of instrument, tubing and placing in allocated area <i>Works Information section 3.2.5</i>		20%	Sample Method statement	
6.5	Decommissioning of control console section plates and placing in allocated area <i>Works Information section 3.2.5</i>		10%	Sample Method statement	

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6.6	Blanking of process pipework's <i>Works Information section 3.2.5</i>		5%	Sample Method statement	
6.7	Provide catalogue of all decommissioned items <i>Works Information section 3.2.5</i>		5%	Sample Method statement	
6.8	Manage decommissioning and implementation Impairment plan for the <i>Works</i>		10%	Sample Method statement	
6.9	Site of decommissioned devices, panels, junction boxes and other equipment repaired to match surrounding environment as per <i>Works Information section 3.2.5</i>		10%	Sample Method statement	
7	Installation	20%	100%	Tender Returnable	
7.1	Tenderer install cable trays as per <i>Works Information section 3.2.6</i>		15%	Method statement	
7.2	Tenderer install cable as per <i>Works Information section 3.2.7</i>		15%	Method statement	
7.3	Tenderer repair and sealing fire blocking of cables penetration as per <i>Works Information section 3.2.8</i>		10%	Method statement	
7.4	Tenderer to prepare plinth as per <i>Works Information section 3.2.9</i>		10%	Method statement	
7.5	Tenderer install panels as per <i>Works Information section 3.2.10</i>		15%	Method statement	
7.6	Tenderer supplies and install junction boxes as per <i>Works Information section 3.2.11</i>		10%	Method statement	
7.7	Tenderer supplies and install network cabinet as per <i>Works Information section 3.2.15</i>		10%	Method statement	
7.8	Tenderer assembly, supplies and install instruments and its accessories as per <i>Works Information section 3.2.16</i>		15%	Method statement	
8	Mechanical Materials and Welding	25%	100%		
8.1	Qualified Welding Procedure Specifications (WPS) & Welding Procedure Qualification Record (WPQR) Proof of qualified WPS & WPQR for Normal Piping (One procedure for each material group) Material Group (ISO 15608): 1 Material Group (ISO 15608): 8.1 Weld Types: Butt Welds and Fillet Welds Wall Thickness Ranges: 3mm – 10mm Outer Diameter Ranges: 20mm – 65mm		70%	WPS & WPQR to be authorised/signed off by IWE/IWT and AIA; All destructive and non-destructive test results as required by the welding code (BS EN 15614-1 or ASME IX) must be	

Commented [JV1]: Agreed that this should be 25%.

	<p>Proof of qualified WPS & WPQR for Special Piping Material Group (ISO 15608): 1 Weld Types: Butt Welds and Fillet Welds Wall Thickness: 2.5mm Outer Diameter: 17mm</p> <p>Proof of qualified WPS & WPQR for Plates Material Group (ISO 15608): 1 Weld Types: Fillet Welds Wall Thickness Ranges: 4-10mm</p> <p>Proof of qualified WPS & WPQR for Nozzle Welding (Stainless nozzle/stub to Carbon Steel pipe) Pipe Material Group (ISO 15608): 1 Nozzle Material Group (ISO 15608): 8.1 Weld types: Fillet Wall thickness: 6mm – 12mm</p>		<p>submitted as proof of qualification.</p> <p>Scoring:</p> <p>5/5 - The <i>Contractor</i> provides a qualified WPS/WPQR for the required dimensional ranges (for Normal Piping, Special Piping, Nozzle/stub welding and for Plates) and as per the welding process (either, GTAW or MMA) required.</p> <p>4/5 - The <i>Contractor</i> provides a qualified WPS/WPQR for all the required WPS and the WPS for the special piping of WT 2.5mm and OD 17mm are within 80%.</p> <p>2/5 The <i>Contractor</i> provides a qualified WPS/WPQR for the required dimensional ranges as required by the Technical Specification Document, but for any alternative welding process (not just limited to MMA, and GTAW).</p> <p>0/5 - The <i>Contractor</i> provides no WPS/WPQR; Or the provided WPS/WPQR is not authorised/signed by the IWE/IWT & AIA; Or the WPS/WPQR is not for the</p>	
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Commented [CD2]: Consider percentage of dimension range, but with the note that a procedure will have to be qualified. Consider a site visit with the contractor

				correct material group or dimensional ranges; Or the WPQR is not complete with lacking destructive or non-destructive reports.	
8.2	<p>Materials of Components</p> <p>The <i>Contractor</i> supplies written confirmation of all materials to be supplied for the different designs, including the material standard.</p> <p>The <i>Contractor</i> supplies written confirmation as part of the tender returnable documents that a 3.1 material certificate as per EN 10204 is supplied with the material when delivered at the <i>Employer's</i> site.</p> <p>If the <i>Contractor</i> deviate from the designed material, the <i>Contractor</i> is required to specify the proposed material and supply the standard to which the material conform. If the proposed material is different from the designed material, the proposed material is reviewed by the <i>Employer</i> for acceptance.</p> <p>Refer to the acceptable and unacceptable technical risks and exceptions for more information.</p>		30%	<p>Refer to the <i>Works Information</i> for more information on the required materials on which the design was based.</p> <p>A potential sub-<i>Contractor</i> will be scored as per the evaluation criteria stipulated for the <i>Contractor</i>, without any exceptions, except if an exception is clearly stated.</p>	
9	Site Testing and Commissioning	5%	100%	Tender Returnable	
9.1	Tenderer to provide testing certificate as per <i>Works Information</i> , i.e. Cable drum test certificate, COC for electrical, pressure test certificate, AIA report		60%	Sample of Certificates	
9.2	Tenderer to submit detailed QCP, procedures and check sheets for testing		40%	Sample of QCP	
Final Scoring		100%			

Table 4: Qualitative Technical Evaluation Criteria on Tender Closing

3.5 MANDATORY TECHNICAL EVALUATION CRITERIA ON CONTRACT AWARD

Table 5 define all Mandatory Evaluation Criteria to be used as well as reference to specification and motivation for Criteria use. Any outstanding or unclear information shall be requested from the *Contractor* by the *Employer* (in writing) during technical evaluation and must be submitted by the *Contractor* within 5 calendar days from the request to the *Employer* for acceptance. If the *Contractor* doesn't provide the requested information within the 5 days to the *Employer*, the *Contractor* will be disqualified.

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria	Yes/No
1.	Tenderer's compliance to the Works Information.	<ul style="list-style-type: none"> Completed Schedule A&B. Deviation schedule for any deviation to the scope if there are no deviation, then list "None" on the deviation schedule. 	To ensure that the work is carried out in line with technical requirements, to guarantee the integrity of the work to be done.	
2.	ISO 9001 certificate	Tenderer provides a valid certificate showing up-to-date compliance status for the Main <i>Contractor</i> or sub- <i>Contractor</i> .	This to ensure that Quality Control Plans, procedures, and any other documents are managed following a specific quality process.	
3.	ISO 3834 – Part 2	<p>The <i>Contractor</i> or sub-<i>Contractor</i> is in possession of a valid ISO 3834 – 2 Certificate. The <i>Contractor</i> submits all pages of the ISO 3834 – 2 certificates to the <i>Employer</i> for acceptance as part of the tender returnable documents.</p> <p>The ISO 3834-2 certificate should include material groups 1 and 8 as per ISO/TR 15608, construction standard EN 13480 and welding processes MMA (111) and TIG (141).</p>	<p>The welding is done as per the Eskom Standard 240-106628253 (Standard for welding requirements on Eskom plant). The <i>Contractor</i> complies with section 8.5 in Eskom Standard 240-106628253 (Standard for welding requirements on Eskom plant) where it states that the <i>Contractor</i> is ISO 3834-2 accredited to be allowed to weld on Eskom Level 1 plant.</p> <p>A potential sub-<i>Contractor</i> will be scored as per the evaluation criteria stipulated for the <i>Contractor</i>, without any exceptions, except if an exception is clearly stated.</p>	
4.	Tenderer track record	Tenderer provides a list of at least 4 (four) contactable references, with the number of years (5 years) where similar work was done to procure, packaging, supply, delivery, transporting, off-loading,	This is to guarantee the Tenderer skills and experience required for this scope of work.	

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	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria	Yes/No
		decommission, removal, floor preparation, assembly, installation, wiring, testing, and commissioning of the Control and instrumentation including cabling and racking.		
5.	Tenderer has qualified personnel.	Tenderer provides proof of certificate for electrician, mechanical artisan (fitters and turners), instrument mechanic (pipe bending and tubing).	This guarantees the quality workmanship for Tenderer.	

Table 5: Mandatory Technical Evaluation Criteria on Contract Award

3.7 TET MEMBER RESPONSIBILITIES

Table 6: TET Member Responsibilities

Mandatory Criteria on Tender Closing Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6	TET 7	TET 8	TET 9
1.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Qualitative Criteria on Tender Closing Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6	TET 7	TET 8	TET 9
1.	X	X	X	X	X				
2.	X	X	X	X	X	X	X	X	X
3.	X	X	X	X					
4.	X	X	X	X					
5.	X	X	X		X				
6.	X	X	X	X	X			X	X
7.	X	X	X	X	X			X	X
8.		X		X		X	X	X	X
9.	X	X	X	X	X	X	X	X	X
Mandatory Criteria on Contract Award Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6	TET 7	TET 8	TET 9
1.	X	X	X	X	X				
2.	X	X	X	X	X				
3.						X	X	X	X
4.	X	X	X	X	X				
5.	X	X	X	X	X				

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3.8 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.8.1 Risks

Table 7: Acceptable Technical Risks

Risk	Description
1.	For the equipment and component not covered by the Standard and Specification in the Works Information, the <i>Employer</i> has a preference for IEC and IEEE Standard and Specification. Where other standard has been used, their differences and contradictions to the aforementioned Standard are indicated by the Tenderer.
2.	Refer to qualitative technical criteria number 8.1 – Welding Procedure Specifications (WPS) & Welding Procedure Qualification Record (WPQR) Apart from the acceptable technical risks stipulated as per the scoring within the “Reference to Technical Specification / Tender Returnable” column for each of the criteria items, any new risks noticed during the evaluation process will be assessed by the Technical Evaluation Team whether the risks are acceptable or unacceptable.
3.	Refer to qualitative technical criteria number 8.2 – Materials of Components If the <i>Contractor</i> supplies alternative materials to the designed materials as per the drawings, which is similar or superior (higher yield, proof and tensile strength) to the materials as per the drawings, this section will be deemed an acceptable technical risk, with the <i>Contractor</i> scoring 4/5 for this section if the <i>Employer's</i> material review deems the alternative material acceptable. The <i>Contractor</i> supplies the standard to which the alternative material complies to for the <i>Employer's</i> acceptance. The alternative proposed material is fit for the application (for example an alternative material for a pipe, fitting or flange must be for a pipe, fitting or flange respectively according to an approved standard). The <i>Contractor</i> supplies written confirmation as part of the tender returnable documents that a 3.1 material certificate as per EN 10204 is supplied with the proposed material when delivered at the <i>Employer's</i> site. A potential sub-contractor will be scored as per the evaluation criteria stipulated for the <i>Contractor</i> .

Commented [ED3]: As per above comment

Table 8: Unacceptable Technical Risks

Risk	Description
1.	Incomplete Technical Schedule A&B
2.	Deviating from Scope of work, standard and specification captured in the Work Information
3.	Refer to qualitative technical criteria number 8.1 – Welding Procedure Specifications (WPS) & Welding Procedure Qualification Record (WPQR) Apart from the acceptable technical risks stipulated as per the scoring within the “Reference to Technical Specification / Tender Returnable” column for each of the criteria items, any new risks noticed during the evaluation process will be assessed by the Technical Evaluation Team whether the risks are acceptable or unacceptable.
4.	Refer to qualitative technical criteria number 3 – Materials of Components If the <i>Contractor</i> supplies alternative materials to the designed materials as per the drawings, which is weaker (lower yield, proof and tensile strength) than the materials as per the drawings, this section will be deemed an unacceptable technical risk, with the <i>Contractor</i> scoring 2/5 for this section if the <i>Employer's</i> material review deems the alternative material acceptable. The <i>Contractor</i> supplies the standard to which the alternative material complies to for the <i>Employer's</i> acceptance. If the alternative material is deemed as unacceptable, the <i>Contractor</i> will receive a No Response score (0/5) for this Section. The alternative proposed material is fit for the application (for example an alternative material for a pipe, fitting or flange must be for a pipe, fitting or flange respectively according to an approved standard). The <i>Contractor</i> supplies written confirmation as part of the tender returnable documents that a 3.1 material certificate as per EN 10204 is supplied with the proposed material when delivered at the <i>Employer's</i> site. A potential sub- <i>Contractor</i> will be scored as per the evaluation criteria stipulated for the <i>Contractor</i> .

Commented [ED4]: As per above comment

3.8.2 Exceptions / Conditions

Table 9: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Acceptance deviation with technical qualification
2.	<p>Refer to qualitative technical criteria number 1 – Welding Procedure Specifications (WPS) & Welding Procedure Qualification Record (WPQR)</p> <p>If the <i>Contractor</i> supplies between 80% and 100% of the required WPS's and WPQRs as per the designs, excluding the butt weld WPS's and WPQRs, it will be seen as an acceptable exception/exclusion, with the <i>Contractor</i> scoring 4/5 for this section.</p> <p>A potential sub-<i>Contractor</i> will be scored as per the evaluation criteria stipulated for the <i>Contractor</i>.</p> <p>(The <i>Contractor</i>'s WPS's and WPQRs to be signed off by IWE/IWT and the AIA; all destructive and non-destructive test results as required by the Welding Code BS EN 15614 must be submitted as proof of qualification).</p>
3.	<p>Refer to qualitative technical criteria number 3 – Materials of Components</p> <p>If the <i>Contractor</i> supplies alternative materials to the designed materials as per the drawings, without submitting the standard of the material, but which material standard is readily available to the public, this section will be deemed an acceptable technical exception/exclusion, with the <i>Contractor</i> scoring 4/5 for this section if the <i>Employer's</i> material review deems the alternative material acceptable.</p> <p>The alternative proposed material is fit for the application (for example an alternative material for a pipe, fitting or flange must be for a pipe, fitting or flange respectively according to an approved standard).</p> <p>The <i>Contractor</i> supplies written confirmation as part of the tender returnable documents that a 3.1 material certificate as per EN 10204 is supplied with the proposed material when delivered at the <i>Employer's</i> site.</p> <p>A potential sub-<i>Contractor</i> will be scored as per the evaluation criteria stipulated for the <i>Contractor</i>.</p>

Commented [ED5]: As per above comment

Table 10: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification
2.	Inability to carry-out work requested as captured by the Work Information
3.	Inability to deliver work in time as indicated by the Tenderer planning schedule.
4.	<p>Refer to qualitative technical criteria number 1 – Welding Procedure Specifications (WPS) & Welding Procedure Qualification Record (WPQR)</p> <p>If the <i>Contractor</i> supplies between 50% to 80% of the required WPS's and WPQRs as per the designs, excluding the butt weld WPS's and WPQRs, it will be seen as an unacceptable exception/exclusion, with the <i>Contractor</i> scoring 2/5 for this section.</p> <p>If the <i>Contractor</i> supplies less than 50% of the required WPS's and WPQRs as per the designs, excluding the butt weld WPS's, it will be seen as a No Response score (0/5) for this Section.</p> <p>A potential sub-<i>Contractor</i> will be scored as per the evaluation criteria stipulated for the <i>Contractor</i>.</p> <p>(The <i>Contractor</i>'s WPS's and WPQRs to be signed off by IWE/IWT and the AIA; all destructive and non-destructive test results as required by the Welding Code BS EN 15614 must be submitted as proof of qualification).</p>
5.	<p>Refer to qualitative technical criteria number 3 – Materials of Components</p> <p>If the <i>Contractor</i> supplies alternative materials to the designed materials as per the drawings, without submitting the standard of the material, of which material standard is not readily available to the public, this section will be deemed an unacceptable technical exception/exclusion, with the <i>Contractor</i> scoring 2/5 for this section if the <i>Employer</i>'s material review deems the alternative material acceptable.</p> <p>The alternative proposed material is fit for the application (for example an alternative material for a pipe, fitting or flange must be for a pipe, fitting or flange respectively according to an approved standard).</p> <p>The <i>Contractor</i> supplies written confirmation as part of the tender returnable documents that a 3.1 material certificate as per EN 10204 is supplied with the proposed material when delivered at the <i>Employer</i>'s site.</p> <p>If the alternative material does not have an acceptable material name/code/standard, the <i>Contractor</i> will receive a No Response score (0/5) for this Section.</p> <p>A potential sub-<i>Contractor</i> will be scored as per the evaluation criteria stipulated for the <i>Contractor</i>.</p>

Commented [ED6]: As per above comment

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature	Date
Brent Cupido	Chief Engineer – Asset Management		
Regardt Joubert	Senior Technician – C&I Engineering		
Ernest J Neethling	Senior Technician – C&I Engineering		
Ziphonzonke Mkhwanazi	Senior Technologist – C&I Engineering		
Christo Du Preez	Engineer – Turbine Engineering		
Isak Meyer	Senior Engineer – Turbine Engineering		
Jaco van Zyl	Senior Engineer – Turbine Engineering		
Sbongiseni Dlamini	Engineer – A&A Engineering		

5. REVISIONS

Date	Rev.	Compiler	Remarks
Sep 2023	0.1	N. Davhula	First draft sent for comments
Oct 2023	1.0	N. Davhula	Signed copy
Nov 2023	2.0	N. Davhula	Update the Mandatory and Qualitative technical evaluation. Additional TET members
May 2025	3.0	N. Davhula	Removal of Mandatory for NDT work.

6. DEVELOPMENT TEAM

TET members

7. ACKNOWLEDGEMENTS

N/A

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