

**Title: Tender Technical Evaluation
Strategy for Coal Stock Yard
Conveyer Maintenance**

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1. INTRODUCTION

Arnot Power Station operates is a coal fired power station.

In support of this, a technical procurement process has been initiated for the maintenance of coal stock yard (CSY).

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 with regards to the maintenance of Coal Stockyard conveyer belts. The TET members are listed and appointed in this document along with their responsibilities. The document also describes the acceptable and unacceptable risks and qualifications and/or conditions. Once the Technical Evaluation Strategy is authorised no changes will be made to the 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 to all interested parties with regards to the coal stock yard conveyer system maintenance spares at Arnot Power Station.

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] 240-168966153: Generation Tender Technical Evaluation Procedure <or>
- [2] 240-48929482: Tender Technical Evaluation Procedure (Transmission and Distribution)
- [3] QM-58 Supplier Contract Quality Requirements Specifications

2.2.2 Informative

N/A

2.3 DEFINITIONS

2.3.1 Classification

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

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2.4 ABBREVIATIONS

Abbreviation	Description
TET	Technical Evaluation Team
OEM	Original Equipment Manufacturer
CSY	Coal Stock Yard

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure for Generation

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.

Table 1: Qualitative Evaluation Criteria Scoring Table

Score	(%)	Definition
5	100	COMPLIANT - Meet technical requirement(s) AND; - No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS Meet technical requirement(s) with; - Acceptable technical risk(s) AND/OR; - Acceptable exceptions AND/OR; - Acceptable conditions.

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2	40	NON-COMPLIANT • Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE
Note 1: The scoring table does not allow for scoring of 1 and 3. Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.		

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3.2 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	The service provider must demonstrate that the company is ISO 9001:2015 accredited.	Valid ISO 9001:2015 certificate company accredited by SANAS.	This requirement ensures that the Contractor operates under a recognized Quality Management System, in line with international best practice
2.	The service provider must demonstrate that the company is ISO 3834-part 2 accredited.	Valid ISO 3834-part 2 certificate from company accredited by SANAS.	This requirement ensures that the Contractor has a certified welding quality management system. Compliance with ISO 3834-2 confirms that the contractor has qualified welding procedures, competent personnel, and appropriate quality control processes in place to ensure that all welding work carried out on coal plant equipment, structures, and piping systems meets the required structural integrity, reliability, and safety standards for critical plant maintenance activities.
3	5 years' company experience in maintaining conveying systems of at least 500 tph capacity within the past ten (10) years. At least one (1) referenced contract must have been executed continuously for a minimum period of TWO (2) years.	Supporting Documentation Required: - Detailed description of the services provided including type of conveying systems maintained (e.g., conveyor belt, tripper cars, feeders, transfer chutes, etc.) and the conveyor belt capacity must be clearly stated with evidence. The experience MUST include maintenance of driven motorized/motor driven tripper cars. - Valid Completion Certificate(s) or Client Acceptance Certificate(s) for each reference contract. - Reference Letter(s) from the respective client(s) Confirming satisfactory performance, duration of the contract, and nature of work. Verifiable contact details (name, designation, telephone number, and email address) of the client's representative who can confirm the validity of the information	The coal conveying system is a critical Level 1 plant essential for continuous coal supply to the boilers and power generation. Failures or poor maintenance can lead to major operational disruptions, unit trips and significant financial losses.

3.3 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Table 3: Qualitative Technical Evaluation Criteria

Qualitative Technical Criteria Description			Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	SCALE			
1	Resources to execute the scope - MANPOWER			30%	100%	0=0%	2=40%	4=80%	5=100%
1.1	Maintenance Site Manager		Site manager with National Diploma or equivalent in mechanical engineering. A minimum of 3 years site manager experience in conveyor belts and conveying systems. A detailed CV with verifiable references must be attached.		10	No Site Manager submitted OR missing qualification OR experience unrelated to bulk material handling.	N/A	N/A	Site Manager has a National Diploma (or higher) and 3+ years verifiable site management experience directly in bulk conveyor belts / conveyor systems.
1.2	Maintenance Supervisor		Mechanical Supervisor with minimum of N6, trade test or a Trade Test Certificate (Red Seal), 3 years supervisor experience in Bulk material handling. A detailed CV with verifiable references must be attached.		9	No qualified Maintenance Supervisor submitted, or documentation incomplete, unverifiable, or experience not related to conveyor systems.	N/A	N/A	Site Manager has a National Diploma (or higher) and 3+ years verifiable site management experience directly in bulk conveyor belts / conveyor systems.

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1.3	Boiler Maker	Qualified Boilermaker with an N4 or equivalent qualification and a Trade Test Certificate (Red Seal), with a minimum of three (3) years of post-qualification mechanical work experience. Detailed CVs with verifiable references must be attached.		9	No qualified boiler maker submitted, or documentation incomplete, unverifiable, or experience not related to conveyor systems.	N/A	N/A	A qualified Boilermaker submitted, holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.
1.4	Welder	Qualified Welder with an N4 or equivalent qualification and a Trade Test Certificate (Red Seal), with a minimum of three (3) years of post-qualification experience. Detailed CVs with verifiable references must be attached.		9	No qualified Welder submitted, or documentation incomplete, unverifiable, or experience not related to conveyor systems.	N/A	N/A	A qualified Welder submitted, holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance
1.5	Fitter	Qualified Mechanical Fitter/Artisan with an N4 or equivalent qualification and a Trade Test Certificate (Red Seal), with a minimum of three (3) years of post-qualification mechanical work experience. Detailed CVs with verifiable references must be attached.		9	No qualified fitters/artisans submitted, or documentation incomplete, unverifiable, or experience not related to conveyor systems.	At least one (1) qualified fitter/artisan submitted, each holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.	N/A	Two (2) or more qualified fitters/artisans submitted, each holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.

1.6	C&I technician	Qualified C&I with a minimum of N4 and trade test (Red Seal) as well and experience in conveying system. A minimum of three (3) years of post-qualification mechanical work experience. Detailed CVs with verifiable references must be attached.		9	No qualified C&I submitted, or documentation incomplete, unverifiable, or experience not related to conveyor systems.	At least one (1) qualified C&I submitted, holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.	N/A	Two (2) or more qualified C&I submitted, each holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.
1.7	Electrician	Qualified Electrician Fitter/Artisan with an N4 or equivalent qualification and a Trade Test Certificate (Red Seal), with a minimum of three (3) years of post-qualification mechanical work experience. Detailed CVs with verifiable references must be attached.		9	No qualified Electrician submitted, or documentation incomplete, unverifiable, or experience not related to conveyor systems.	At least one (1) qualified Electrician submitted, holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.	N/A	Two (2) or more qualified Electricians submitted, each holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.
1.8	Quality Controller	QC with a qualification in Mechanical engineering (minimum N6), with Trade test (Red seal) ISO 9001 awareness training and a minimum of 3 years in Conveyor belts and associated systems maintenance.		9	No qualified QC submitted, or documentation incomplete, unverifiable, or experience not related to conveyor systems.	N/A	N/A	QC with a qualification in Mechanical engineering (minimum N6), with Trade test (Red seal) ISO 9001 awareness training and a minimum of 3 years in Conveyor belts and associated systems maintenance.

1.9	Rigger	Qualified Riggers with an N4 or equivalent qualification and a Trade Test Certificate (Red Seal), with a minimum of three (3) years of post-qualification mechanical work experience. Detailed CVs with verifiable references must be attached.		9	No qualified Rigger submitted, or documentation incomplete, unverifiable, or experience not related to conveyor systems.	At least one (1) qualified Rigger submitted, holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.	N/A	Two (2) or more qualified Riggers submitted, each holding valid N4 (or equivalent) and Red Seal qualifications, and with ≥3 years' proven experience specifically in conveyor system maintenance.
1.20	SHEQ Officer	Safety Officer with National Diploma in Safety Management. certificate, Proof of training certificates in Incident Investigation/Rcat & HIRA. A minimum of 3 years post qualification experience. Detailed CV with references must be submitted.		9	No qualified Safety Officer submitted, or documentation incomplete, unverifiable, or inadequate experience	N/A	N/A	Qualified Safety Officer submitted, holding valid National Diploma in Safety Management with ≥3 years' proven experience
1.21	Semi-skilled / Utility Man	10 Semiskilled workers with a minimum requirement of matric qualification as two (2) years relevant experience performing semi-skilled engineering maintenance work in an industrial environment.		9	No submission or irrelevant documents or submitted documents do not meet minimum requirements	< 7 Semiskilled workers with a minimum of matric qualifications as well as 2 years' related experience	$8 \leq X < 10$ Semiskilled workers with a minimum of matric qualifications as well as 2 years' related experience	10 Semiskilled workers with a minimum of matric qualifications as well as 2 years' related experience

2. Method Statement		40%		0=0%	2=40%	4=80%	5=100%
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	2.1	Conveyor Maintenance Method Statement	The bidder must submit a detailed Method Statement describing how maintenance, inspection, troubleshooting, and repair activities on the conveyor belts and conveyor systems will be executed. The Method Statement must demonstrate the bidder's understanding of the scope of work, maintenance requirements, operational risks, and safe execution procedures relevant to conveyor systems. The method statement must have all the details to be carried out in executing the scope.		100	No method statement submitted/ Method statement submitted inadequate and shows lack of experience or understanding of the scope	Method Statement submitted but generic, lacking clarity, limited alignment to conveyor belt/system maintenance, or missing key elements.	Method Statement addresses major conveyor maintenance activities with a defined approach but it's not fully comprehensive	Comprehensive, well-structured Method Statement demonstrating a clear and demonstrating a clear understanding and experience of conveyor systems maintenance. Very detailed and covers all the aspects of maintenance.
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3.	Quality Control Processes			30%		0=0%	2=40%	4=80%	5=100%
	3.1	Quality control process	Detailed description of quality control process on conveyor system maintenance.		70%	No submission, or process unrelated to maintenance activities on conveying systems. This also includes inadequate quality control process.	Basic or generic quality process provided, with limited alignment to maintenance of conveying systems.	Defined quality control process that outlines controls for maintenance activities, inspection, and verification relevant to conveying systems.	Comprehensive , structured, and well-established quality control process clearly applicable to the maintenance of conveying systems, demonstrating effective implementation and control.
	3.2	Quality Control Plans;	Quality Control Plan (QCP)- (provide a typical example for the maintenance repair activity i.e. conveyor belt replacement,		30%	No submission, or process unrelated to maintenance activities on conveying systems. This also includes inadequate quality control process.	Basic or generic quality plan provided, with limited alignment to maintenance of conveying systems.	A quality control plan that covers most of important aspects in conveyor belt maintenance but lacks some aspects	Detailed quality control plan that covers all important aspects in conveyor belt maintenance. Fully covers all important aspects and shows understanding conveyor system
				TOTAL: 100					

3.4 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
3.3	X	X	X	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
3.4	X	X	X	X	X	X

3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Risks

Risk	Description
1.	Exclusions of the scope specified in the Employer's requirements.

3.5.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

4. ACCEPTANCE

This document has been seen and accepted by:

5. REVISIONS

6. DEVELOPMENT TEAM

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