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1. INTRODUCTION

Tutuka Power Station comprises of 6 generating units. Each unit is equipped with Tube Mill coal pulverisers. The mills are fed with coal from the coal feeder and the PF exits via the two classifiers. The classifiers are static type with adjustable blades. Each classifier has two outlet pipes, each pipe supplying an individual burner. The plant is designed for five mills in service at boiler maximum continuous rating.

According to the work instruction PF sampling and grading services should be conducted at a minimum, every 2500 operating hours, after every mill service, after adjustments are made to the classifiers and when problems are experienced in the plant.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document is to capture the technical tender evaluation strategy for Tutuka Power Station Mill PF sampling and grading services.

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 applies to the Tender Evaluation Team for Tutuka Power station Mill PF sampling and grading services.

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] 240-53716712: Tender Technical Evaluation scoring form template

2.2.2 Informative

- [3] 240-76440331 Pulverised Fuel sample collection and size grading standard
- [4] 15ENG PERF-580 PF Sampling and grading of PF instruction

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
MCR	Maximum Continuous Rating
PA	Primary Air
PF	Pulverised Fuel
TET	Tender Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

All responsibilities have been defined in the Engineering Evaluation Procedure (240-48929482).

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

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

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

There is a mandatory technical evaluation criterion. A weighted score-card approach is used to evaluate the technical compliance of the supplier against the specifications or ability to perform Mill PF sampling and grading services. The minimum weighted final score (threshold) required for the Contractor to be considered from a technical perspective is **70%**.

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3.2 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	PF Grading sample report and include formulas that will be used for calculations	PF Sampling and Grading of PF services at Tutuka Power station (15ENG GEN-2694)	To ensure contractor complies with acceptable quality standards

3.3 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)		Criteria Sub Weighting (%)
1.	PF Sampling			65		
	1.1	PF grading method statement. Provide a method statement demonstrating understanding of the scope of work. The method statement shall clearly cover the following key points. Include formulas that will be used for calculations.	To show understanding of scope of work and competency to execute works as per scope.	Method statement supplied, detailed and showing compliance to the scope of work, clearly described activities that will be carried out, with formulas to be used for calculations.	5	35
				Method statement supplied, detailed and showing compliance to the scope of work, clearly described activities that will be carried out, without formulas to be used for calculations.	4	
				Method statement supplied, not detailed and not clearly showing compliance to the scope of work, and no formulas for calculations.	2	

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				Method statement not supplied	0	
	1.2	Reference list Contractor shall provide previously completed projects of similar nature. Completion certificates/letters signed by all parties involved. The completion certificate shall reference the following information as a minimum: • Project Name • Principal Contractor • Description of Work performed (nature of work) • Contract value • Name, designation and contact number of references. • Contact person(s)		5 or More contracts 3 to 4 contracts 1 to 2 contracts 0 Contracts	5 4 2 0	30
2.	Project planning			35		
	2.1	Programme PF sampling Programme detailing the duration of each Mill and the human resource utilisation to complete 6 mills. Programmes must be developed on MS Projects, showing clear links between tasks.	PF sampling Programme detailing the duration of each Mill and the human resource utilisation to complete 6 mills	Program supplied with each mill duration and resources Programme Submitted for each mill without resources Programme submitted, not broken down to show duration of each mill Programme not submitted	5 4 2 0	25

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	2.2	Equipment List PF sampling equipment list and calibration certificate.	PF sampling equipment list and calibration certificate.	Equipment list with calibration certificate issued	5	10
				Equipment list submitted but no calibration certificate issued	2	
				No Equipment list with calibration certificate issued	0	
				TOTAL: 100		

Table 4: 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.
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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