



## Medupi Power Station PJFF Plant Tender Technical Evaluation

### Introduction

The Pulse Jet Fabric Filter are required to be maintained for the control of emissions at Medupi Power Station. The high dust experienced by the plant when PJFF is not effective will result in partial load losses . As such, local sourcing for this maintenance activity is to be established.

### Contents

1. **Gate Keepers** - The mandatory requirements which must be met by the tenderer, failure of which will deem the tenderer incompetent in terms of the tender technical evaluation.
2. **Technical Evaluation Criteria** - The qualitative requirements of the tenderer in terms of the technical evaluation catagorised with specified weighting.
3. **Technical Evaluation Team (TET) Members** - A multi-disciplinary team appointed to score the tenderer on the technical evaluation criteria.
4. **TET 1** - Technical Evaluation Team Member 1 - System Engineer for the PJFF Plant at Medupi Power Station
5. **TET 2** - Technical Evaluation Team Member 2 - Maintenance Supervisor for PJFF Plant at Medupi Power Station
6. **TET 3** - Technical Evaluation Team Member 3 - Outage Coordinator for PJFF Plant at Medupi Power Station
7. **TET 4** - Technical Evaluation Team Member 4 - Chief Technologist Engineering Support
8. **Final Technical Score** - The calculated final technical score of the tenderer where the tenderer will be deemed as competent or incompetent in terms of the tender technical evaluation.

### Tender Technical Evaluation

1. The gate keepers of the tenderer must be completed first. Once the tenderer is deemed competent in terms of the gate keepers, the tender technical evaluation may proceed.
2. Each TET member fills in their details in the 'TET Members' tab and proceeds to complete their evaluation as per the technical evaluation criteria for their specified TET number, System Engineer will populate TET 1, etc.
3. The final technical score is calculated and the tenderer will be deemed competent in terms of the tender technical evaluation if a final score of 4 or above is achieved.

**Tenderer to be evaluated:** \_\_\_\_\_

TET 1 Name and Surname:

2022/05/05

Date of Evaluation:

Signature:

Use guidelines / notes in this column to score in column K.			Provide specific file with proper indexing for your evaluation		Use this column to complete the technical evaluation. The scores entered will be used to calculate the final technical calculation.		File reference for the score		Guideline / Notes	
Technical Evaluation Criteria			Sub-criteria weighting		TET 1 Evaluation Scores					
Technical Criteria Description			35%		1,75					
1. Compliance to Eskom Specification			100%		5				Scoring: 5 - Product Information Sheet, Performance Guarantee: Pressure Drop, Performance Guarantee: Emissions, Performance Guarantee: Bag Life and Lead times with schedule 4 - Excluding one from the following: Product Information Sheet, Performance Guarantee: Pressure Drop, Performance Guarantee: Emissions, Performance Guarantee: Bag Life and Lead times with schedule 2 - Excluding two from the following: Product Information Sheet, Performance Guarantee: Pressure Drop, Performance Guarantee: Emissions, Performance Guarantee: Bag Life and Lead times with schedule. 1 - Excluding three from the following: Product Information Sheet, Performance Guarantee: Pressure Drop, Performance Guarantee: Emissions, Performance Guarantee: Bag Life and Lead times with schedule.	
General measure in line with the product specification			Compliance to Eskom Specification Score:		5					
			15%		0,75					
2. Previous Experience			Reference list of Purchase/Task Orders completed of previous similar work.							
1.1			2.1 The tenderer has experience in PPS bag manufacturing. Proof of 3 to 5 years equivalent bag manufacturing to be provided. A reference list with at least 3 completed Purchase/Task Orders to be provided.		100%				5 - A reference list with 3 or more completed bags Purchase/Task Orders to be provided with min 5 years relevant experience 4 - A reference list with 2 completed bag Purchase/Task Orders provided with min 3 years relevant experience 2 - A reference list with 1 completed bag Purchase/Task Orders provided. 1 - No reference of completed baghouse works Purchase/Task Orders provided.	
			Previous Experience Score:		5					
3. Manufacturing Equipment and Key Personnel			Key machinery and resources containing resource plan per area		20%					
4.1			Manufacturing equipment needed to manufacture PPS bags at a high output rate						5 - Number of automatic tubes (4 off)/manual tubes (6 off), Number of double stitch machines (20 off), Number of triple stitch machines (5 off), Riveting Machines (1 off), Press profile cutter (1 off), Manpower resources (2 x Production Supervisor, 2 x QC and 16 x Machinist) and Test bag station 4 - Number of automatic tubes (2 off)/manual tubes (3 off), Number of double stitch machines (10 off), Number of triple stitch machines (3 off), Riveting Machines (1 off), Press profile cutter (1 off), Manpower resources (1 x Production Supervisor, 1 x QC and 8 x Machinist) and Test bag station references provided. 2 - Number of automatic tubes (1 off)/manual tubes (2 off), Number of double stitch machines (5 off), Number of triple stitch machines (2 off), Riveting Machines (1 off), Press profile cutter (1 off), Manpower resources (1 x Production Supervisor, 1 x QC and 8 x Machinist) and Test bag station references provided. 1 - Number of automatic tubes (1 off)/manual tubes (1 off), Riveting Machines (1 off), Press profile cutter (1 off), Manpower resources (1 x Production Supervisor, 1 x QC and 4 x Machinist) and Test bag station references provided.	
			Manufacturing Equipment and Key Personnel:		5					
4. Manufacturing Capacity and Capability			Insourcing and Outsourcing		10%					
5.1			In-house or Out-sourced bag manufacturing		100%				5 - 100% in house 4 - 75% in house 2 - 50% in house 1 - 25% in house	
			Training:		5					
5. Technical Quality Assurance			Quality Assurance		10%					
6.1			The service provider has an asset list describing the tools and equipment it has available to carry out the required maintenance work.		100%				5 - Dedicated and demarcated quarantine area, Material storage and identification control procedure, Incoming good inspection procedure, Sub supplier approval process, Sub supplier performance management and Draft product ITP 4 - Dedicated and demarcated quarantine area, Material storage and identification control procedure, Incoming good inspection procedure, Sub supplier approval process, Sub supplier performance management and without Draft product ITP 2 - List above except 2 items and draft product ITP 1 - List above except 3 items and draft product ITP	
			Technical Quality Assurance:		5					
6. Delivery Schedule			Quality Assurance		10%					
6.1			The service provider has a delivery schedule of the bags with all interventions (e.g. RT&D material tests, Pilot bag QC and release for manufacturing QC)		100%				5 - Delivery schedule with dates showing all interventions - 14 days 4 - Delivery schedule with dates showing all interventions - 21 days 2 - Delivery schedule with dates showing all interventions - 28 days 1 - Delivery schedule with dates showing all interventions - < 28 days	
			Technical Quality Assurance:		5					
			Final score for TET:		5				100%	