

PF BURNER AND MILLING PLANT CERAMIC LINING TECHNICAL EVALUATION CRITERIA

Weight (%)	Sections	Criteria Evaluation Indicator	Minimum Criteria Evaluation Requirements	Source	%	Score					Score	
						Floor (0)	Kick in (1)	Average (2)	Stretch (3)	Ceiling (4)	%	
100%	Gate Keepers	Gate Keepers	100%									
		Tender Documents	All submitted documents must be clearly labelled with relevant dividers and appear in the order laid out in the tender criteria. A Contents page must be attached.	Documents must be clearly labelled with a divider immediately before the document appears. Documents must appear in order of the technical criteria as laid out in the tender document, with an accompanying Contents page. If a document pack is split over multiple files, the files must each be correctly labelled and have their own individual contents pages.	100%	Documents not in correct order = 0	Documents in correct order and labelled.				0	
		TOTAL SCORES FOR GATE KEEPERS										0
SECTION 1: TECHNICAL REQUIREMENTS												
		Company Profile Documents Previous Experience	Company: (40%)		100%	GUIDELINE NOTES					0%	
		Industry experience	80% of at least 10 activities must be industry related business.	Company to provide company profile showing all the fields the company specialises in and at least 10 activities	5%	No relevant industrial experience	20% of 10 activities are industry related	40% of 10 activities are industry related	60% of 10 activities are industry related	80% of 10 activities are industry related	0.00	
		Traceable Evidence of Projects Completed	At least 4 projects completed which are related to the refractory or ceramic lining installation and repairs with a contactable reference for each project	Company to provide company profile showing successfully completed previous jobs and proof of completion certificates with a contactable reference for each project	5%	No / Incomplete company profile / proof of completion certificates and / or no contactable references	1 Project with a contactable reference	2 Projects with 2 contactable references	3 Projects with 3 contactable references	4 Projects with 4 contactable references	0.00	

100%	Technical requirements	Methodology	Provide a written methodology statement which categorically indicates how the execution of the inspections, removal of worn or damaged lining (which at times may consist of chrome cast instead of tiles) and subsequent repairs thereof will be carried out with specific references to the adjoining determinants outlined. The methodology should clearly address the scope that has been provided by the Employer and must include the following processes i.e the methodology should clearly reveal how the erosion or mechanical damage under the refractory will be identified to prevent PF leaks during plant operation	Refer to the coal Chutes, Cones, burner components, PA tubes, Core air tubes and Burner boxes. 2. How the profile and sizing of ceramic lining will be determined in relation to the component to be internally or externally lined in so far as conical chutes with circular and rectangular cross-sections, bends, square to round transition pieces and straight pipes. 3. How the partial loss of ceramic lining will be dealt with when the exposed metal parts are already eroded and irregular or uneven. 4. How the preparation of surfaces will be dealt with prior to the installation of ceramic lining, the methodology should cater for scenarios for eroded and hardened old grout.	80%	No Methodology provided	Methodology Incomplete (It covers less than 60% of processes and nature of defects scenarios on components)	Methodology Incomplete (It covers less than 80% of processes and nature of defects scenarios on components)	Methodology Incomplete (It covers 100% of one section either processes and defects type on components or less than 100% of the other section)	Methodology clearly addresses all component defect types and processes towards the determinations of such defects and relevant corrective and preventative maintenance.	0.00
		Risk management related to Mill and PF burner fire prevention as well as explosion prevention.	The Service Provider must have a comprehensive operational risk management process.	Company to provide a 5 step risk management document /procedure which clearly addresses the scope that has been provided by the Employer	10%	No document provided	Incomplete Risk management procedure gas and dust	Inadequate Risk management procedure (Procedure covers more than 60% but less than 80% of the content)	Satisfactory risk management procedure (Procedure covers more than 80% but less than 90% of the content)	Comprehensive 5 step risk management procedure covering above 90% of the content	0.00
		Company Profile Document and other evidence	Technical Staff: (60%)		100%						0%
		Company organogram	Company organogram must reflect the current status of company	Provide signed Site Specific Company Organogram which includes positions and names.	5%	No organogram or incomplete	Only company organogram signed, not site related	Company organogram signed but site related organogram not signed	Company organogram and site related organogram signed with only positions related	Company organogram and site related organogram signed with specific names related to positions	0.00
		1 X Supervisor	Minimum Qualifications: Mechanical Diploma or mechanical trade test and equivalent Supervisory experience of at least five (5) years as a site supervisor. CV with contactable reference that demonstrate ability to manage refractory installation activities or similar maintenance activities.	Provide certified copies of Not older than 3 months from the date of closure of the tender and CV with references. Certified copies older than 3 months will not be considered.	25%	No CV attached or incomplete CV	Only CV attached and uncertified copies of qualification attached.	Attached CV and certified copies of qualifications with experience of less than three (3) years	Attached CV and certified Qualifications with experience of less than five (5) years	Attached CV and certified Qualifications with experience of more than five (5+) years	0.00
		2X Refractory Technician	Qualified Technicians (Trade certificate Refractory for Technician or Brick layer qualification) and at least two (2) years experience.	Provide certified copies of Not older than 3 months from the date of closure of the tender and CV with references. Certified copies older than 3 months will not be considered.	30%	No CV attached or incomplete CV	Only CV attached and uncertified copies of qualification attached.	Attached CV and certified copies of qualifications with experience of less than one (1) year	Attached CV and certified Qualifications with experience of less than two (2) years	Attached CV and certified Qualifications with experience of more than two (2+) years	0.00
		4 X Technical Assistants	Minimum Qualification: (N3 or National Senior Certificate).	Provide certified copies of Not older than 3 months from the date of closure of the tender and CV with references. Certified copies older than 3 months will not be considered.	20%	No CV and qualifications attached	Only CV attached and uncertified copies of qualification attached.	Two CVs and certified copies of qualifications attached.	Three CVs and certified copies of qualifications attached.	Four CVs and certified copies of qualifications attached.	0.00

		Quality Documents	Quality control document applicable to the SOW and showing control process or procedure and a typical QCP to be used during execution of the SOW for various components of the plant appearing in the SOW.	Attached quality control documentation and QIP (Quality Inspection Plan) for various equipment or components. The supplied QCPs must cover coal Chutes, Cones, burner components, PA tubes, Core air tubes and Burner boxes (minimum of 4 components).	20%	Not attached	Quality control document and 1 QCP template submitted	Quality control document and 2 QCP template submitted	Quality control document and 3 QCP template submitted	Quality control document and 4 QCP template submitted	0.00
TOTAL SCORES FOR TECHNICAL											0%
TAKE NOTE: ONLY TECHNICAL SUITABLE IF TOTAL TECHNICAL SCORE (L20) IS ≥75% AND GATE KEEPER SCORE (L7) IS 1											No

Compiled by:	E. Ebrahim
Designation:	System Engineer
Date:	10-05-2022
Signature:	