

TECHNICAL EVALUATION CRITERIA

CIVIL STRUCTURE UPGRADE FOR THE REPLACEMENT OF BATTERY CHARGERS AT LETHABO POWER STATION FOR A PERIOD OF THREE (03) YEARS

ENQUIRY No. MWP1143GX-R

A two stage Technical Evaluation Strategy is set out.

Stage 1: Mandatory Technical Evaluation Criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted, or point scored **BUT** shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and the tenderer shall not be further evaluated against Qualitative Criteria.

Stage 2: Qualitative Technical Evaluation Criteria are weighted evaluation criteria 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 evaluation of the tender submission will be based on the tenderer's ability to meet the technical requirements for the project. A weighted scorecard approach is used to evaluate the technical compliance of the tenders against the specifications.

The scoring method will be as follows:

SCORE	PERCENTAGE	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none">• Meet technical requirement(s) AND;• No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none">• Meet technical requirement(s) with;• Acceptable technical risk(s) AND/OR;• Acceptable exceptions AND/OR;• Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none">• 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

The evaluation scores will be weighted as follows:

Engineering (100%)	
General	40%
Civil & Structural Engineering	60%
Total Functionality/Technical Threshold	100%
Required minimum threshold to pass functionality/technical	70%

MANDATORY TECHNICAL EVALUATION CRITERIA

Item	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.1	Lead Civil Engineer/Technologist to be professionally registered with the Engineering Council of South Africa. Copy of valid ECSA registration certificate to be provided. NB. Professional registration status can also be confirmed via the ECSA website: https://www.ecsa.co.za/SitePages/Who%20is%20Registered.aspx	Tender Returnable – Key Resource required for the team	This criteria provides assurance that the design and construction of the works was done by a competent person.
1.2	Tenderer is to provide a valid CIDB Grade 4CE certificate or higher	Tender Returnable – CIDB Grade 4CE certificate or higher	Criteria assists to mitigate the risk of inexperienced Tenderer
1.3	Tenderer supplies all information in English.		Medium of formal communication

QUALITATIVE TECHNICAL EVALUATION CRITERIA

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Evaluation Scoring Breakdown			
					0	2	4	5
2.	General		40					
2.1	Contractor's relevant experience in conducting design and construction civil works: List of verifiable references (minimum of 3 projects) must be provided. The Contractor must submit evidence of reference projects with the following information: <ul style="list-style-type: none"> ▪ Project Name ▪ Description of work performed ▪ Project start and end date ▪ Name, designation and contact number of the reference person 			50	No work done on previous projects of similar scope or no submission made	Work conducted on 1 -2 projects of similar scope	Work conducted on 3 projects of similar scope	Work conducted on more than 3 projects of similar scope
2.2	The tenderer to submits a Project Schedule (Level 3) indicating the following as a minimum: <ul style="list-style-type: none"> ▪ Full scope of work for design phase and construction phase in 			25	No submission made	Project Schedule (Level 3) submitted illustrating less than	Project Schedule (Level 3) submitted illustrating two or more of the	Project Schedule (Level 3) submitted illustrating all

	<p>accordance with Works Information.</p> <ul style="list-style-type: none"> ▪ Breakdown and linking of all activities. ▪ Timelines for execution of activities. ▪ Critical path 					two of the minimum requirements	minimum requirements	the minimum requirements
2.3	<p>Tenderer to submit a project organogram reflecting the key staff required for the project.</p> <p>Organogram provided should consider the entire project lifecycle (i.e. design and construction phases).</p>			25	No submission made	-	-	Organogram provided for the entire project lifecycle.
3.	Civil & Structural Criteria		60					
3.1	<p>Technical proposal detailing the design methodology, which is in compliance to the full scope and describes how the scope will be executed:</p> <p>High level technical proposal for the design and construction, demonstrating understanding of the scope and includes the following as a minimum:</p> <ul style="list-style-type: none"> • Proposed plant, equipment and tools • Methodology for the proposed testing, 			70	No submission made	<p>Technical proposal does not contain methodology of approach but contains high level descriptions of how the works will be conducted</p> <p>OR</p>	<p>Technical proposal describes how scope will be met and includes minor details on methodology of approach</p>	<p>Technical proposal details fully how scope will be met and provides comprehensive methodology of approach</p>

	inspection and weighing of the existing equipment <ul style="list-style-type: none"> • Procedure to be used in undertaking the structural verification/assessment. • Methodology for the reinforcement scans and equipment to be used. • Foreseen risks and concerns • Required temporary works (if any) 					Technical proposal reiterates the Employer's scope of works		
3.2	<p>Tenderer to submit the CV of the Lead Structural Design Engineer or Technologist as per the project organogram.</p> <p>Lead Structural Design Engineer or Technologist is to have a minimum of 5 years relevant design experience and is to be registered as Professional Engineer or Technologist with ECSA.</p> <p>If the Lead Structural Design Engineer or Technologist is not employed by the main Contractor, then a letter of intent signed by both parties where the subcontractor will be used for resources. The letter should be</p>			30	No submissions made and lead structural design engineer or technologist not professionally registered with ECSA	Less than 4 years relevant experience for lead structural design engineer or technologist And Registered as Professional Engineer or Technologist with ECSA.	4 years relevant experience for lead structural design engineer or technologist And Registered as Professional Engineer or Technologist with ECSA.	5 years or more relevant experience for lead structural design engineer or technologist And Registered as Professional Engineer or Technologist with ECSA

	specific on the roles and responsibility for the resource.							
			TOTAL: 100					

NB: Tenderers are required to meet a 70% functionality qualifying score in order to be evaluated further and proposals that fail to achieve the minimum qualifying score of 70% for functionality will be disqualified.