# Tender TECHNICAL EVALUATION Strategy

## Technical Evaluation Threshold

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 shall not be further evaluated against Qualitative Criteria.

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 minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%. The following scoring method will be used:

Table 1: Technical Scoring Methodology

|  |  |  |
| --- | --- | --- |
| **SCORE** | **PERCENTAGE (%)** | **DESCRIPTION** |
| 5 | 100 | **COMPLIANT**   * Meet the technical requirement(s) AND, * No foreseen technical risk(s) in meeting technical requirements |
| 4 | 80 | **COMPLIANT WITH ASSOCIATED QUALIFICATIONS**   * Meet the technical requirement(s) with, * Acceptable technical risks AND/OR; * Acceptable exceptions AND/OR; * Acceptable conditions |
| 2 | 40 | **NON-COMPLIANT**   * Does not meet the technical requirement(s) AND/OR Unacceptable technical risk(s) AND/OR; * Unacceptable exceptions AND/OR; * Unacceptable conditions |
| 0 | 0 | **TOTALLY DEFICIENT/NON-RESPONSIVE** |

## MANDATORY Technical Evaluation Criteria

Table 2: Mandatory Technical Evaluation Criteria

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Mandatory Technical Criteria Description** | **Reference to Technical Specification / Tender Returnable** | **Motivation for use of Criteria** |
|  | Has the Tenderer confirmed that they have a track record of five completed projects as a minimum; for design and supply of High Voltage Breaker Analyzing Tester and **accessories** for HV Switchgear | Tender Returnables | Previous similar work experience and key personnel allocated to this project should be documented (Organogram with key staff indicated). This is to ensure that all roles and responsibilities are covered.  Resumes of key personnel to be provided. |

## Qualitative Technical Evaluation Criteria

The weight for the technical review will be 100 % with a minimum threshold of 70% and will be based on the following:

Table 3: Qualitative Technical Evaluation Criteria

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Qualitative Technical Criteria Description** | | | **Reference to Technical Specification / Tender Returnable** | **Criteria Weighting**  **(%)** | **Criteria Sub Weighting**  **(%)** |
|  | **SUPPLY MULTI-FUNCTION TEST EQUIPMENT FOR HV EQUIPMENT** | | |  | **30** |  |
| 1.1 | Regstered Company with a track record of 5 completed projects as a minimum; for supply of **High Voltage Breaker Analyzing Tester and accessories** test equipment for a HV Enviroment. | | Tender returnable – Company Profile and proot to be submitted with reference to 5 completed projects sales of HV test equipment. |  | 100 |
|  | **SUPPLY MULTI-FUNCTION TEST EQUIPMENT FOR HV EQUIPMENT** | | |  | **20** |  |
| 2.1 | Technical sales personel/ Engineer with a track record of 5 completed projects as a minimum; for testing, advising and interpretention of results. | | Tender returnable – Company Profile and proot to be submitted with reference to 5 completed projects sales of HV test equipment. |  | 100 |
|  |  | |  |  |  |
|  | **Design of Multi Test equipment** | | |  | **10** |  |
| 3.1 | Certificates for:  Vibration:IEC60068-2-6  Shock:IEC60068-2-27  Safety:IEC61010-1 | | Tender returnable – Copies of test certificates from independent laboratories proving compliance with the above standards |  | 100 |
|  | **Application or measurements** | | |  | **20** |  |
| 4.1 | The machine should be able to perform the following tests  **The unit can analyse**  1. Contact timing and travel,  2. Coil and motor current/voltage  3. Point on wave switching and fast trip online analysis. | | Tender returnable – Tenderers will score points it the tester can perofrm listed tests |  | 100 |
|  | **Completed technical schedule of the multi-function HV test equipment as listed under the technical data sheets of annexure 1** | | |  |  |  |
| 5.1 | The Tenderer is to provide a completed technical data of the HV tests and the range’s as listed under the technical data sheets section of of annexure 1. | | Tender returnable - The technical data sheets are to be supplemented by additional descriptions, explanations, ratings,measurements and all other information necessary for a clear understanding of equipment application. |  |  |
|  | **General** | | |  | **20** |  |
| 6.1 | | Technical proposal meeting scope requirement | Technical proposal to include the following as a minimum:   1. Understanding of the scope of work as detailed by the functional specification 2. Proposed approach and methodology which included approach, methodology, deliverables, and resource plan, however not limited to. |  | 70 |
|  | 6.2 | | Proposed work plan  -indicating intent to undertake delivery and support  -Training activities  -calibration intervals | Tender Returnables  (Preliminary Project schedule showing lead times ,delivery dates,training duration and assessment criteria.) |  | 20 |
|  | 6.3 | | Lead time to mobilise team to execute the site investigations and design work after contract award. |  |  | 10 |
|  |  | |  |  | **TOTAL: 100** |  |

The scoring criteria are as follows:

| **Qualitative Technical Evaluation Criteria** | | **Score**  **[0,2,4,5]** | **Scoring Criteria** |
| --- | --- | --- | --- |
|  | Professionally Registered Technologist/Engineer with a track record of 5 completed projects and test field experience in the testing department as a minimum. |  | The sale in terms of this Contract is to be executed by a qualified professional Technologist/Engineer who is a member of Engineering Council of South Africa (ECSA) or equivalent international acknowledgement.  5 = Formal BSc/Btech qualification or equivalent international acknowledgement, and has 6 or more years working experience on HV equipment testing  4 = Formal BSc/Btech qualification or equivalent international acknowledgement, but has 4 to 5 years working experience on HV equipment testing  2 = Formal BSc/Btech qualification or equivalent international acknowledgement, but less than 3 years working experience on HV equipment testing  0 = Has less than 3 years’ experience and no formal BSc/Btech qualification or equivalent international acknowledgement on HV equipment testing |
|  | General Sales personell /Technician qualification and experience on similar in the field of testing |  | 5 = Formal Electrical Trade Test or equivalent international acknowledgement, but has 5 or more years working experience in construction, commissioning and testing of HV equipment.  4 = Formal Electrical Trade Test or equivalent international acknowledgement, but has 3 or more years working experience in construction, commissioning and testing of HV equipment  2 = No formal Electrical Trade Test or equivalent international acknowledgement, but has 3 or more years working experience in construction, commissioning and testing of HV equipment.  0 = No formal Electrical Trade Test on on HV equipment testing or equivalent international acknowledgement. |
|  | Completed technical specification of multi-function test equipment |  | 5 = Technical schedules completed in full and completely supplemented by additional descriptions, advantages and benefits  4 = Technical schedules completed in full, however only partial supplemented by additional descriptions, advantages and benefits  2 = Technical schedules completed in full, but not supplemented by additional descriptions, advantages and benefits  0 = No completed Technical specification |
|  | Technical proposal meeting scope requirement |  | 5 = Excellent response which demonstrates the ability to deliver the service far in excess of minimum requirements.  4 = Good response detailing clearly how the service will be delivered above and beyond the minimum requirements.  2 = Barely adequate levels of required scope proposal.  0 = Less than minimum level of required scope proposal or irrelevant. |
|  | Calibration  -Calibration shall be a standard contract item,and shall cover carlibration service and transportation back to the user  Support.  -Local repair and support within 14 days.  -Technically shall be available locally on email or telephone via acompetent personle  Guarantee  -the unit and accessories shall be guaranteed for a period of 5 years of activity |  | 5 = All three conditions of proposed work plan have been met.  4 = Only two conditions of proposed work plan have been met.  2 = Only one condition of proposed work plan have been met.  0 = None of conditions of proposed work plan have been met. |
|  | Lead time to deliver and respond to technical challenges from the customer. |  | 5 = 1 week or less.  4 = Between 1 and 2 weeks.  2 = Between 3 and 4 weeks.  0 = More than 4 weeks. |