**TECHNICAL EVALUATION**

## **Name of Evaluator:** …………………….

**1. MINIMUM ELIGIBILITY AND QUALIFICATION CRITERIA**

Eligibility and Qualification will be evaluated on Pass/Fail basis.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | **Bidder: …….** | **Bidder: …….** | **Bidder: …….** |
| **1.1** | **ELIGIBILTY** | **Criteria** | **Pass or Fail** | **Pass or Fail** | **Pass or Fail** |
| 1.11 | Legal Status | Vendor is a legally registered entity  *Form B: Bidder Information Form* |  |  |  |
| 1.12 | Eligibility | Vendor is not suspended, nor debarred, nor otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization in accordance with ITB clause 3.  Vendor must have presence in South Africa  *Form A: Technical Proposal Submission Form*  *Official Letter of Appointment as local representative* |  |  |  |
| 1.13 | Conflict of Interest | No conflicts of interest in accordance with ITB clause 4. *Form A: Technical Proposal Submission Form* |  |  |  |
| 1.14 | Bankruptcy | Not declared bankruptcy, not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against the vendor that could impair its operations in the foreseeable future.  *Form A: Technical Proposal Submission Form* |  |  |  |
| 1.15 | Certificates and Licenses | Valid and current licenses to provide civil works in South Africa |  |  |  |
| Proof that the Bidder has been in the business of providing civil works for at least five years prior to submission of its bid (attach evidence of the licenses within the 5-year period). |  |  |  |
| **1.2** | **QUALIFICATION** |  |  |  |  |
| 1.21 | History of Non-Performing Contracts | Non-performance of a contract did not occur as a result of contractor default for the last 3 years.  *Form D: Qualification Form* |  |  |  |
| 1.22 | Litigation History | No consistent history of court/arbitral award decisions against the Bidder for the last 3 years.  *Form D: Qualification Form* |  |  |  |
| 1.23 | Previous Experience | Minimum 5 years of relevant experience.  *Form D: Qualification Form* |  |  |  |
| Minimum 3 contracts of similar value or above, nature and complexity implemented over the last 5years  *Form D: Qualification Form* |  |  |  |
| 1.24 | Financial Standing | Minimum average annual turnover of USD 170,000 for the last 3 years.  (For JV/Consortium/Association, all Parties cumulatively should meet requirement).  *Form D: Qualification Form* |  |  |  |
| Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability.  Financial accounts will be checked to compute the current k ratio (CR). Current ratio tests the company's financial strength and liquidity by calculating a company’s current Assets in proportion to its current liabilities. (min CR=>1)  *Form D: Qualification Form* |  |  |  |

**Is the bidder eligible and qualified to supply and install wind turbines as per our specifications?**

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**COMMENTS:**

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**2.0 TECHNICAL EVALUATION**

**This bid wishes to maximize on local content, and “locally manufactured equipment” for the main items is considered as a requirement.**

**2.1 Bidder Compliance to technical requirements as detailed in Section 5a: Schedule of Requirements and Technical Specifications/Bill of Quantities (5a)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Criteria** | | **Minimum Required** | **Supporting Documents to be provided** | **Bidder**  **……………** | **Bidder**  **……………** | **Bidder**  **……………** |
| **No.** | **1. WIND TURBINE GENERATOR (EACH)** |  |  | Compliant/ Non Compliant | Compliant/ Non Compliant | Compliant/ Non Compliant |
| **a** | Rated Power: 2,500 – 10,400 Watt (at 11 m/s, standard sea-level conditions) | 2,500 Watt | Wind Turbine Generator specifications, certification |  |  |  |
| **b** | Rated annual energy 3,900 – 16,700 kWh (Estimated annual energy production assuming an  annual average wind speed of 5 m/s, a Rayleigh wind speed distribution, sea-level air density and 100% availability.) | 3,900 kWh |  |  |  |
| **c** | Rated Sound Level: 50 dB – 60 dB | 60 dB |  |  |  |
| **d** | Start-Up Wind Speed: ~ 3.25 m/s | 3.25 m/s |  |  |  |
| **e** | Cut-out wind speed: 45 m/s (IEC wind turbine Class II extreme wind speed of 42.5 m/s and a minimum of a 20 year service life) | 45 m/s |  |  |  |
| **f** | Output Guarantee of 80% peak power, 95% availability | 80 % Output  95% Availability |  |  |  |
| **g** | Output Voltage: 48 Vdc or 110 Vdc | Either |  |  |  |
| **h** | Overspeed protection: Proposed Pitch Control | Reasonable overspeed protection solution |  |  |  |
| **i** | Blade material: fibre glass | Suitable blade material |  |  |  |
| **j** | Minimum 5 years Warranty - extendable | 5 year warranty |  |  |  |
| **k** | Drive type: direct (no gearbox) | Direct |  |  |  |
| **l** | Generator type: permanent magnet (PM) | PM |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Criteria** | | **Minimum Required** | **Supporting Documents to be provided** | **Bidder**  **……………** | **Bidder**  **……………** | **Bidder**  **……………** |
| **No.** | **2. WIND GENERATOR MAST** |  |  | Compliant/ Non Compliant | Compliant/ Non Compliant | Compliant/ Non Compliant |
| **a** | Approximately 18 m in length, hot-dip galvanized, tapered, monopole. | 18 m, HDG, monopole | Mast specifications |  |  |  |
| **b** | Minimum 5 years Warranty - extendable | 5 year warranty |  |  |  |
|  |  |  |  |  |  |  |
| **No.** | **3. ELECTRICAL** |  |  |  |  |  |
| **a** | Distribution Panel: AC/DC insurance, wind generator inverter | Same | Equipment, Goods specifications |  |  |  |
| **b** | Connecting Cables: AC and DC connections | Same |  |  |  |
| **c** | Voltage limiter 135 Vdc | Same |  |  |  |
| **d** | Interface Module 175 Vdc | Same |  |  |  |
| **e** | Midnite Classic MPPT Charge Controller | Wind turbine manufacturer recommended |  |  |  |
| **f** | Minimum 5 years Warranty - extendable | 5 year warranty |  |  |  |
|  |  |  |  |  |  |  |
| **No.** | **4. FENCING** |  |  |  |  |  |
| **a** | Security fencing, according to accompanying specification | Yes, we comply | Fencing specifications |  |  |  |
|  |  |  |  |  |  |  |
| **No.** | **5. SPARES** |  |  |  |  |  |
| **a** | Spares (A final list of spares will be negotiated with the successful tenderer) | Yes, we comply |  |  |  |  |
|  |  |  |  |  |  |  |
| **No.** | **6. Wind Turbine** |  |  |  |  |  |
| **a** | Valid Certification | Valid certification to SABS or international accepted standard e.g. USA (SWCC), UK (MCS) etc | Valid certificate |  |  |  |

**2.2 Bidder Compliance to requested Services as detailed in TOR (FORM E)**

**2.11 Bidder:** ...............

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Goods and services to be Supplied and**  **Technical Specifications** | **Your response** | | | | |
| **Compliance with technical specifications** | | **Delivery Date**  *(confirm that you comply or indicate your delivery date)* | **Quality Certificate/Export Licenses, etc.** *(indicate all that apply and attach)* | **Comments** |
| **Yes, we comply** | **No, we cannot comply**  *(indicate discrepancies)* |
| Scope of Works as attached in Annex 1 |  |  |  |  |  |
| Mobilization to take at least 30 days from contract award |  |  |  |  |  |

**2.12: Bidder:** ………

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Goods and services to be Supplied and**  **Technical Specifications** | **Your response** | | | | |
| **Compliance with technical specifications** | | **Delivery Date**  *(confirm that you comply or indicate your delivery date)* | **Quality Certificate/Export Licenses, etc.** *(indicate all that apply and attach)* | **Comments** |
| **Yes, we comply** | **No, we cannot comply**  *(indicate discrepancies)* |
| Scope of Works as attached in Annex 1 |  |  |  |  |  |
| Mobilization to take at least 30 days from contract award |  |  |  |  |  |

**2.13. Bidder:** …………

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Goods and services to be Supplied and**  **Technical Specifications** | **Your response** | | | | |
| **Compliance with technical specifications** | | **Delivery Date**  *(confirm that you comply or indicate your delivery date)* | **Quality Certificate/Export Licenses, etc.** *(indicate all that apply and attach)* | **Comments** |
| **Yes, we comply** | **No, we cannot comply**  *(indicate discrepancies)* |
| Scope of Works as attached in Annex 1 |  |  |  |  |  |
| Mobilization to take at least 30 days from contract award |  |  |  |  |  |

**Comments:**