Section III: Schedule of Requirements

**RFQ Reference: AWF\_CITES\_RFQ\_202****4**

**Summary of Requirements**

**Request for Quotations (RFQ) for labour to supply and equip a solar piped water system to pump water from Zambezi River for a distance of 150m in the Mana Pools area- Zimbabwe.**

**1. Technical Specifications for Goods**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No.** | **Description** | **Quantity** | **Details of goods offered.** Bidder to complete |
|  | **Solar Pump and accessories** |  |  |
|  | a) Minimum DAB 4 kw AC Pump motor and wet end | 1pc |  |
|  | b) Minimum 5.5kw RSI Drive | 1pc |  |
|  | c) Minimum 540kw solar panels | 16pcs |  |
|  | d)Minimum Midnite surge protector | 1pc |  |
|  | e) Lightning arrestor | 1pc |  |
|  | f) Fuse and fuse holder | 1pc |  |
|  | g) DC breaker | 1pc |  |
|  | h) Solar cable red and black | 60m |  |
|  | e) Minimum 4mm 4 core Armoured cable | 170m |  |
| **2.** | **Pump Security** |  |  |
|  | a) Security cage and accessories to secure the pump | 1pc |  |
|  | b) Sand filter | 1pc |  |
| **3.** | **Storage** |  |  |
|  | a) Supply and Delivery of plastic overhead storage water tank of at  least 10,000L | 4pcs |  |
|  | b) Construction of at least 9-meter-tall steel structure tank stand with double deck. | 2pcs |  |
|  | c) Panel frame above tanks | 1pc |  |
| **4.** | **Plumbing materials and accessories** |  |  |
|  | a) Minimum 50mm GI Pipes | 54pcs |  |
|  | b) Socket union | 12pcs |  |
|  | c) Non-return valve | 4pcs |  |
|  | c) Barrel nipple | 18pcs |  |
|  | d) GI Elbow | 6pcs |  |
|  | e) GI Tee | 5pcs |  |
|  | f) Ball cork | 1pc |  |
|  | g) Joining kit | 1pc |  |
|  | h) Safety rope | 10m |  |
|  | i) Insulation tape | 2pcs |  |
|  | j) Coupling | 1pc |  |
|  | k) DH Box | 1pc |  |
|  | l) Cement | 45bags |  |
|  | m) Borehole sundries | sum |  |

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|  | **Other Requirements** |  | **Documents to be submitted by the bidders** |
|  | 1. Delivery to be within 30 days of contract signing. A report stating the yield of water and materials utilized should be submitted within 5 days after completion of works. | Item | * A letter confirming that work will be delivered within 30 days of contract signing |
|  | 1. Quotation Validity of at least 90days from the submission deadline date | Item | * A report confirming the validity of the quotation |
|  | 1. Training on operations and maintenance of the solar water system.  * A user-guide manual should be provided immediately after installation detailing trouble-shooting, maintenance and usage of the solar power system. * Two hours in-person training to at least two station managers * Training must cover the operation of the system installed, how to detect faults and engage the service provider. | Item | * Agenda of the training * Letter confirming that the supplier will meet all the training requirement listed |
|  | 1. Minimum of one (1) year warranty | Item | * A letter confirming the warranty for at least one year |