**REQUEST FOR QUOTATION (RFQ)**

**(Goods/Works)**

|  |  |
| --- | --- |
| NAME & ADDRESS OF FIRM | DATE: May 14, 2019 |
| REFERENCE: RFQ/TZA/2019/004 |

Dear Sir / Madam:

We kindly request you to submit your quotation for Drilling and Construction of Boreholes, as detailed in Annex 1 of this RFQ. When preparing your quotation, please be guided by the form attached hereto as Annex 2.

Quotations may be submitted on or before May 29, 2019 via *e-mail, courier mail or hand delivered facsimile* to the address below:

**United Nations Development Programme**

**UN House premises, Plot: 182, Mzinga Way,   
Oysterbay -Dar Es Salaam,   
P. O. Box 9182, Dar Es Salaam.  
United Republic of Tanzania**

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline. Quotations that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your quotation by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Please take note of the following requirements and conditions pertaining to the supply of the abovementioned good/s: [*check the condition that applies to this RFQ, delete the entire row if condition is not applicable to the goods being procured]*

|  |  |  |
| --- | --- | --- |
| Delivery Terms  [INCOTERMS 2010]  *(Pls. link this to price schedule)* | FCA  CPT  CIP  DAP  Other **DDP** | |
| Customs clearance[[1]](#footnote-1), if needed, shall be done by: | UNDP  **Supplier/Offeror**  Freight Forwarder | |
| Exact Address/es of Delivery Location/s (identify all, if multiple) | **Lot 1: Makotea, Mungaa and Mtavila villages in Ikungi District, Singida  Lot 2: Busami and Mwamigongwa villages in Busega District, Simiyu** | |
| UNDP Preferred Freight Forwarder, if any[[2]](#footnote-2) | **N/A** | |
| Distribution of shipping documents *(if using freight forwarder)* | **N/A** | |
| Latest Expected Delivery Date and Time (*if delivery time exceeds this, quote may be rejected by UNDP*) | **30 working days from the issuance of the contract including geophysical assessment, drilling, and delivery of the work and its report.**  As per Delivery Schedule attached *[if delivery will be staggered]*  Time: *[pls. indicate]*  Time Zone of Reference: *[pls. indicate]* | |
| Delivery Schedule | **Required**  Not Required | |
| Packing Requirements | **N/A** | |
| Mode of Transport | AIR | LAND |
| SEA | OTHER **N/A** |
| Preferred  Currency of Quotation[[3]](#footnote-3) | United States Dollars  Euro  Local Currency: **Tanzanian Shillings (TZS)** | |
| Value Added Tax on Price Quotation[[4]](#footnote-4) | **Must be inclusive of VAT and other applicable indirect taxes**  Must be exclusive of VAT and other applicable indirect taxes | |
| After-sales services required | **Warranty on Parts and Labor for minimum period of 36 Months**  **Technical Support**  Provision of Service Unit when pulled out for maintenance/ repair  Others *[pls. specify]* | |
| Deadline for the Submission of Quotation | **On*****Wednesday, May 29, 2019*** *at* ***12 Noon EAT*** | |
| All documentations, including catalogs, instructions and operating manuals, shall be in this language | **English**  French  Spanish  Others *[pls. specify, including dialects, if needed]* | |
| Documents to be submitted | **Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1;**  A statement whether any import or export licenses are required in respect of the goods to be purchased including any restrictions on the country of origin, use/dual use nature of goods or services, including and disposition to end users;  Confirmation that licenses of this nature have been obtained in the past and an expectation of obtaining all the necessary licenses should the quotation be selected;  **Quality Certificates (ISO, etc.);**  **Latest Business Registration Certificate;**  **Latest Internal Revenue Certificate / Tax Clearance;**  Manufacturer’s Authorization of the Company as a Sales Agent (if Supplier is not the manufacturer);  Certificate of Exclusive Distributorship in the country (if applicable, and if Supplier is not the manufacturer);  **Evidence/Certification of Environmental Sustainability (“Green” Standards) of the Company or the Product being supplied;**  Complete documentation, information and declaration of any goods classified or may be classified as “Dangerous Goods”.  Patent Registration Certificates (if any of technologies submitted in the quotation is patented by the Supplier);  **Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;**  **Active member of Tanzania Contractors Registration Board (Attach valid membership certificate)**  Others *[pls. specify as many as required]* | |
| Period of Validity of Quotes starting the Submission Date | 60 days  90 days  **120 days**  In exceptional circumstances, UNDP may request the Vendor to extend the validity of the Quotation beyond what has been initially indicated in this RFQ. The Proposal shall then confirm the extension in writing, without any modification whatsoever on the Quotation. | |
| Partial Quotes | Not permitted  **Permitted** [*interested bidder may quote either Lot 1, Lot 2 or both Lots]* | |
| Payment Terms[[5]](#footnote-5) | **100% upon complete delivery of goods**  Others *[pls. specify]* | |
| Liquidated Damages | Will not be imposed  Will be imposed under the following conditions:  Percentage of contract price per day of delay: 0.1%  Max. no. of days of delay: 15 days  After which UNDP may terminate the contract. | |
| Evaluation Criteria  *[check as many as applicable]* | **Technical responsiveness/Full compliance to requirements and lowest price**  Comprehensiveness of after-sales services  **Full acceptance of the PO/Contract General Terms and Conditions** *[this is a mandatory criterion and cannot be deleted regardless of the nature of services required]*  **Earliest Delivery / Shortest Lead Time**  Others *[pls. specify]* | |
| UNDP will award to: | One and only one supplier  One or more Supplier, depending on the following factors:  Award may be made to either Lot 1 or Lot 2 or both Lots | |
| Type of Contract to be Signed | Purchase Order  Contract Face Sheet (Goods and-or Services) UNDP  Other Type/s of Contract *[pls. specify]* | |
| Contract General Terms and Conditions | **General Terms and Conditions for contracts (goods and/or services)**  Applicable Terms and Conditions are available at  **<http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html>** | |
| Special conditions of Contract | Cancellation of PO/Contract if the delivery/completion is delayed by 21 Working days after the PO is signed  Others *[pls. specify]* | |
| Conditions for Release of Payment | **Passing Inspection** *[specify method, if possible]*  **Complete Installation**  **Passing all Testing** *[specify standard, if possible]*  **Completion of Training on Operation and Maintenance** *[specify no. of trainees, and location of training, if possible*  Written Acceptance of Goods based on full compliance with RFQ requirements  Others *[pls. specify]* | |
| Annexes to this RFQ[[6]](#footnote-6) | **Specifications of the Goods Required (Annex 1)**  **Form for Submission of Quotation (Annex 2)**  **General Terms and Conditions / Special Conditions:** [**http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html**](http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html)  Others *[pls. specify, if any]*  Non-acceptance of the terms of the General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process. | |
| Contact Person for Inquiries  (Written inquiries only)[[7]](#footnote-7) | **Email: tenders.tz@undp.org**  Any delay in UNDP’s response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers. | |

Goods offered shall be reviewed based on completeness and compliance of the quotation with the minimum specifications described above and any other annexes providing details of UNDP requirements.

The quotation that complies with all of the specifications, requirements and offers the lowest price, as well as all other evaluation criteria indicated, shall be selected. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by UNDP. The unit price shall prevail, and the total price shall be corrected. If the supplier does not accept the final price based on UNDP’s re-computation and correction of errors, its quotation will be rejected.

After UNDP has identified the lowest price offer, UNDP reserves the right to award the contract based only on the prices of the goods in the event that the transportation cost (freight and insurance) is found to be higher than UNDP’s own estimated cost if sourced from its own freight forwarder and insurance provider.

At any time during the validity of the quotation, no price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by UNDP after it has received the quotation. At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Purchase Order that will be issued as a result of this RFQ shall be subject to the General Terms and Conditions attached hereto. The mere act of submission of a quotation implies that the vendor accepts without question the General Terms and Conditions of UNDP indicated above - [**http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html**](http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html).

UNDP is not bound to accept any quotation, nor award a contract/Purchase Order, nor be responsible for any costs associated with a Supplier’s preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.

Please be advised that UNDP’s vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a purchase order or contract in a competitive procurement process. In the event that you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link:

[**http://www.undp.org/content/undp/en/home/operations/procurement/protestandsanctions/**](http://www.undp.org/content/undp/en/home/operations/procurement/protestandsanctions/)

UNDP encourages every prospective Vendor to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.

UNDP implements a zero tolerance on fraud and other proscribed practices and is committed to identifying and addressing all such acts and practices against UNDP, as well as third parties involved in UNDP activities. UNDP expects its suppliers to adhere to the UN Supplier Code of Conduct found in this link: [**http://www.un.org/depts/ptd/pdf/conduct\_english.pdf**](http://www.un.org/depts/ptd/pdf/conduct_english.pdf)

Thank you and we look forward to receiving your quotation.

Sincerely yours,

***Dancilla Mukarubayiza***

***Deputy Resident Representative - Operations***

**May 14, 2019**

**Annex 1**

**REQUIREMENTS**

**Lot 1: Terms of Reference for Contractor to Drill and Construct Boreholes in Three Villages (Makotea, Mungaa & Mtavila) in Ikungi District.**

**Background**

Bringing Clean Energy and Water to Off-grid Tanzania rural communities is a project implemented and financed by UNDP Tanzania which started from 2018 to 2019 as a pilot project.

This project is piloting advanced technology using an Off- Grid box with renewable energy sources in order to modernize and make reliable energy and clean water supply to the off- grid rural communities in Ikungi, Bunda and Busega districts.

The feasibility study conducted by UNDP in 2018 prior to this project shows that the demand for energy is high and pertinent in both districts whereas demand for water is relatively high in Ikungi than Bunda district. The islands in Bunda district has access to lake water. However, the problem is pollution in the lake, requiring treatment of the water prior to using for drinking.

On the other hand, Ikungi districts specifically the following villages; Makotea, Mungaa and Mtavila are virtually without access to water and even the little available is unclean/polluted.

Despite of some challenges, existing livelihood activities in both Bunda and Ikungi districts are capable of generating incomes required to repay for the required investments and subsequent regular payment of the user fees. Furthermore, there are strong synergies between most of the livelihood activities and both energy and water supply; implying that the proposed Off -Grid Box technology is likely to boost the economic development and sustain the livelihoods in the targeted areas.

The main purpose of the project is to impact **3,935** households with population size of **20,826** peoples with clean energy and safe water and sometimes support economic activities such as irrigation, fishing storage & processing, hatchery machines and cold drinks.

The impact of the project will be life long as it will incorporate sustainability approaches in its solutions of enabling communities to, for the first-time, access reliable clean energy, safe and clean water as well as sanitation.

**Objective**

The main objective of this TOR is to procure contractor to drill and construct three boreholes in Makotea, Mungaa, Mtavila (one in each village) in Ikungi District, Singida.

The Offer or shall provide all labour, transport, plant, tools, equipment and materials and appurtenances, and shall perform all works necessary to satisfactorily locate sites for drilling, construct and complete successfully drilled boreholes including lowering of borehole assembly with PVC Plain and Screen casing and end cap, gravel pack at appropriate intervals and back fill, close near surface water table aquifer, cleaning of the well and development, pump test, chlorinate borehole, install hand pump, construct apron with drainage and soak away pit and water quality testing both chemical and biological in accordance with acceptable quality water for drinking.

**Scope of Work/Methodology**

Conducting of Hydro geological and Geophysical survey in three villages to locate at least three (3) in each village and select two (2) potential sites in each Village for borehole drilling. The boreholes will be drilled in three villages above mentioned using appropriate equipment and technics approved by relevant authorities and standards.

**Deliverables/Expected Outputs**

The service provider of this contract must deliver:

* Nine drilling sites marked with beacon, three in each village.
* Hydrogeological and Geophysical survey report in three village prepared by Hydro geologist
* Three positive boreholes (one in each village/) approved by appropriate authorities;
* Borehole completion report about specifications and performance of the three boreholes

**Duration and Timing**

This contract is expected to last a maximum of 30 working days including geophysical assessment, drilling, the delivery of the work and its report. The service provider must provide a detailed working plan including activities and respective milestones.

**Assignment Work Station**

The drilling will be done in Mtavila, Makotea and Mungaa villages, in Ikungi District, Singida.

**Eligibility/Qualification of Consultants**

All service providers are eligible for this work as long as he proves to have qualifications and experience in;

* Doing geophysical assessment;
* Drilling borehole: and
* Have appropriate technology and equipment
* Field knowledge of Ikungi, and the target villages will be added advantage.

**BILL OF QUANTITIES FOR DRILLING AND CONSTRUCTION OF THREE BOREHOLES IN THREE VILLAGE IN IKUNGI DISTRICT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Description of Work** | **Unit** | **No of Villages** | **Qty** | **Your Responses** | | |
| ***Yes, we will comply*** | ***No, we cannot comply*** | ***If you cannot comply, pls. indicate counter proposal*** |
| **PHASE I** |  |  |  |  |  |  |
| **1.0 GEOPHYSICAL SURVEY IN THREE VILLAGES** |  |  |  |  |  |  |
| Mobilization and demobilization Equipment (Transport cost) | 2 trips | 3 | 2 |  |  |  |
| Hydrogeological and Geophysical Survey in three villages | 3 sites | 3 | 9 |  |  |  |
| Reporting | 1 | 3 | 3 |  |  |  |
| **2.0: DRILLING PERMIT** |  |  |  |  |  |  |
| Drilling permit cost per three boreholes | 1 | 3 | 3 |  |  |  |
| 3.0 **DRILLING OF THREE BOREHOLES** |  |  |  |  |  |  |
| Mobilization and demobilization Equipment | 2 | 1 | 1 |  |  |  |
| **3.1 Drilling of borehole (Est. depth 150m)in each village** |  |  |  |  |  |  |
| Drilling a hole 300mm diameter in alluvium or overburden for protective/working casing 0 – 25m | 25m | 3 | 75 |  |  |  |
| **3.2 Drilling a borehole 8" diameter** |  |  |  |  |  |  |
| Drilling 25 – 125m | 100m | 3 | 300 |  |  |  |
| Drilling 125m – 150m | 25m | 3 | 75 |  |  |  |
| Taking samples for analysis for each 2m drilled in each borehole. | NO 75 | 3 | 225 |  |  |  |
| **4.0 Supply and Install casing 150mm diameter (3m length)** |  |  |  |  |  |  |
| Supply and Installation 6” inches diameter Plain casings | 90M | 3 | 270 |  |  |  |
| Supply and Installation 6” inches diameter Screen casings | 60M | 3 | 180 |  |  |  |
|  |  |  |  |  |  |  |
| **5.0 well development, installation and capping** |  |  |  |  |  |  |
| Supply and installation of filter gravel pack ranging between 3mm to 5mm | 5m³ | 3 | 15 |  |  |  |
| Supply and installation of inert back fill | 1m³ | 3 | 3 |  |  |  |
| Supply of material and casting a sanitary seal | 3m³ | 3 | 3 |  |  |  |
| Borehole development and cleaning | 6Hrs. | 3 | 18 |  |  |  |
| **6.0 Supply and install 10000litres Poly Tank** |  |  |  |  |  |  |
| Poly tank of 10000litres | No | 3 |  |  |  |  |
| Tank connectors DN50 | No | 3 |  |  |  |  |
| Bend DN 50 | No | 6 |  |  |  |  |
| Galvanized steel pipe DN 50 | m | 24 |  |  |  |  |
| Gate valve DN50 | No | 2 |  |  |  |  |
| Union DN 50 | No | 2 |  |  |  |  |
| Male connector DN 50 | No | 4 | 3 |  |  |  |
| Bibcock 3/4" | No | 6 | 72 |  |  |  |
| Recovery | 6 Hrs. | 3 | 18 |  |  |  |
| Water sampling and quality analysis for both physical, chemical and biological | No. 1 | 3 | 3 |  |  |  |
| Borehole completion and Pumping test report | No. 1 | 3 | 3 |  |  |  |
| **7.0 Topographical Survey and Design** |  |  |  |  |  |  |
| Topographical Survey to know the terrain of the area and locate the location of the tank | No. 1 | 3 | 3 |  |  |  |
| To conduct detain design for Raising Main, Tank and distribution network | No. 1 | 3 | 3 |  |  |  |
| **PHASE II** |  |  |  |  |  |  |
| **Construction of Raiser and domestic points** |  |  |  |  |  |  |
| Construction of Raising main from the borehole to the tank. | **No. 1** | 3 | 3 |  |  |  |
| Construction of Reservoir Tank Stand/Raisers with reinforced concrete roof for simtank riser L=3m x 3m x 6m height for the 10000litres Poly tank | No | 1 | 3 |  |  |  |
| Construction of complete distribution network with domestic point with 6 outlets 20 m from the borehole. With concrete platform, drainage channel connecting to soak way pit 700mm internal dia. 1000mm deep, piping and taps as per Typical Piped System Domestic Point drawings | No 6 | 3 | 18 |  |  |  |
| Preparation and submission of Construction Report No. 1 | No 1 | 3 | 3 |  |  |  |
|  | |  |  |  |  |  |

**NOTE:**

These boreholes will be supported by Off – Grid box system (Solar) with water pump for the same which will be supplied by UNDP.

**Lot 2: Terms of Reference for Contractor to Drill and Construct Boreholes in Two Villages (Busami & Mwamigongwa) in Busega District**

**Background**

Bringing Clean Energy and Water to Off-grid Tanzania rural communities is a project implemented and financed by UNDP Tanzania which started from 2018 to 2019 as a pilot project.

This project is piloting advanced technology using an Off- Grid box with renewable energy sources in order to modernize and make reliable energy and clean water supply to the off- grid rural communities in Ikungi, Bunda and Busega districts.

The feasibility study conducted by UNDP in 2018 prior to this project shows that the demand for energy is high and pertinent in both districts whereas demand for water is relatively high in Ikungi, Busega than Bunda district. The islands in Bunda district has access to lake water. However, the problem is pollution in the lake, requiring treatment of the water prior to using for drinking.

On the other hand, Busega districts specifically the following villages; Busami and Mwamigingwa are virtually without access to water and even the little available is unclean/polluted.

Despite of some challenges, existing livelihood activities in both Bunda and Ikungi districts are capable of generating incomes required to repay for the required investments and subsequent regular payment of the user fees. Furthermore, there are strong synergies between most of the livelihood activities and both energy and water supply; implying that the proposed Off -Grid Box technology is likely to boost the economic development and sustain the livelihoods in the targeted areas.

The main purpose of the project is to impact **3,935** households with population size of **20,826** peoples with clean energy and safe water and sometimes support economic activities such as irrigation, fishing storage & processing, hatchery machines and cold drinks.

The impact of the project will be life long as it will incorporate sustainability approaches in its solutions of enabling communities to, for the first-time, access reliable clean energy, safe and clean water as well as sanitation.

**Objective**

The main objective of this TOR is to procure contractor to drill and construct two boreholes in Busami and Mwamigongwa village (one in each) in Busega District, Simiyu.

The Offeror shall provide all labour, transport, plant, tools, equipment and materials and appurtenances, and shall perform all Works necessary to satisfactorily locate sites for drilling, construct and complete successfully drilled boreholes including lowering of borehole assembly with PVC casing and Screen and

end cap, gravel pack at appropriate intervals and back fill, close near surface water table aquifer, cleaning and development, pump test, chlorinate borehole, install hand pump, construct apron with drainage and soak away pit and water quality testing both chemical and biological in accordance with this specification furnished below and to any further details as may be ordered by UNDP.

**Scope of Work/Methodology**

The boreholes will be drilled in two villages above mentioned using appropriate equipment and technics approved by relevant authorities and standards.

**Deliverables/Expected Outputs**

The service provider of this contract must deliver:

* Two positive boreholes approved by appropriate authorities;
* A report about specifications and performance of the two boreholes

**Duration and Timing**

This contract is expected to last a maximum 30 working days including geophysical assessment, drilling, the delivery of the work and its report. The service provider must provide a detailed working plan including activities and respective milestones.

**Assignment Work Station**

The drilling will be done in Busami and Mwamigongwa in Busega District, Simiyu

**Eligibility/Qualification of Contractor**

All service providers are eligible for this work as long as he proves to have qualifications and experience in;

* Doing geophysical assessment;
* Drilling borehole: and
* Have appropriate technology and equipment
* Field knowledge of Busega and the target villages will be advantage.

Expected outputs and planed deadlines for Drill and Construct Boreholes in Busami and Mwamigongwa Villages in Busega.

1. **BILL OF QUANTITIES FOR DRILLING AND BOREHOLE CONSTRUCTION AT BUSAMI VILLAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Description of Work** | **Unit** | **Qty** | **Your Responses** | | |
| ***Yes, we will comply*** | ***No, we cannot comply*** | ***If you cannot comply, pls. indicate counter proposal*** |
| **1** | **PRELIMINARY AND GENERAL ITEMS** |  |  |  |  |  |
| 1.1 | Mobilization and Demobilization of drilling Rig to site | SUM | LS |  |  |  |
| 1.2 | Transportation of drilling rig from one site to another site | SUM | LS |  |  |  |
| 1.3 | Drilling Permit from Lake Victoria Basin office—Mwanza | Nr | 1 |  |  |  |
| 1.4 | Provide testing and Commissioning of works including piping mains, storage tank, mechanical and equipment systems as directed by the Engineer | Sum | LS |  |  |  |
|  | **Sub-Total 1: Preliminary and General Items** |  |  |  |  |  |
| **2** | **Hydro geophysical Surveys** |  |  |  |  |  |
| 2.1 | Conducting detailed hydro geophysical survey, data analysis, interpretation and reporting and recommendation for potential/prospective site | nos | 1 |  |  |  |
|  | **Sub Total 2: Hydro geophysical Surveys** |  |  |  |  |  |
| **3** | **DRILLING OF PRODUCTIVE BOREHOLE** |  |  |  |  |  |
| **3.1** | **Drilling of Productive Boreholes with Water yield capacity Equal or greater than 4.5m³/hr** |  |  |  |  |  |
| 3.1.1 | Pilot Drilling of boreholes, 6'' diameter to 150m depth |  |  |  |  |  |
|  | 0-25m | m | 25 |  |  |  |
|  | 25-50m | m | 25 |  |  |  |
|  | 50-75m | m | 25 |  |  |  |
|  | 75-100m | m | 25 |  |  |  |
|  | 100-125m | m | 25 |  |  |  |
|  | 125-150m | m | 25 |  |  |  |
| 3.3 | Sampling and storing of drilling cuttings at 1m intervals | m | 150 |  |  |  |
| 3.4 | Drilling of boreholes, 10 5/8'' diameter, average depth 25m | m | 25 |  |  |  |
| 3.5 | Reaming of a productive borehole, 8'' diameter at 150m depth | m | 150 |  |  |  |
| **3.6** | **Well Construction** |  |  |  |  |  |
| 3.6.1 | Supply and installation of PVC plain casing 6'' diameter | m | 100 |  |  |  |
| 3.6.2 | Supply and installation of PVC screen casing 6'' diameter | m | 50 |  |  |  |
| 3.6.3 | 10'' Steel standpipe for stabilization purposes for the 25m collapsible formation | m | 25 |  |  |  |
| 3.6.4 | Supply and installation of PVC bottom plug | nos | 1 |  |  |  |
| 3.6.5 | Supply and installation of gravel pack (@ bag 20 kg) | Bags | 120 |  |  |  |
| 3.6.6 | Cement sealing backfill and grouting | m3 | 1 |  |  |  |
| 3.6.7 | Well Development | hr | 6 |  |  |  |
| 3.6.8 | Supply and Install well centralizer as per specification | LS |  |  |  |  |
| **3.7** | **Well Completion** |  |  |  |  |  |
| 3.7.1 | Supply of material and casting a sanitary seal /concrete slab | nos | 1 |  |  |  |
| **3.8** | **Test Pumping** |  |  |  |  |  |
| 3.8.1 | Step testing for 6 hours each step at 2 hours interval | nos | 3 |  |  |  |
| 3.8.2 | Continuous/constant test, 24hrs constant pump test | hr | 24 |  |  |  |
| 3.8.3 | Recovery test | hr | 6 |  |  |  |
| 3.8.4 | Water quality sampling and testing for physical, chemical and biological analysis as per specifications | nos | 1 |  |  |  |
| 3.8.5 | Boreholes capping to prevent entrance of foreign matters using iron cap | nos | 1 |  |  |  |
|  | **Sub-total 3: Drilling Of Productive Borehole** |  |  |  |  |  |
| **4** | **PIPE AND CIVIL WORKS** |  |  |  |  |  |
| **4.1** | **Supply and install pipeline complete with fittings including laying in trenches and backfill** |  |  |  |  |  |
| **4.1.1** | **For rising Main (Pipeline from the borehole to the storage tank)** |  |  |  |  |  |
| 4.1.1.1 | HDPE DN 63 PN 12 | m | 150 |  |  |  |
| **4.1.2** | **For distribution main (Pipeline from the water storage tank to the domestic point)** |  |  |  |  |  |
| 4.1.2.1 | HDPE DN 50 PN 10 | m | 300 |  |  |  |
| **4.2** | **Supply and Install Compression Fittings and Specials 50 with all accessories** |  |  |  |  |  |
| 4.2.1 | Non-Return Valves DN 63 | No | 1 |  |  |  |
| 4.2.2 | Air Valves DN DN32 PN10 | No | 1 |  |  |  |
| **4.3** | **Trench excavation** |  |  |  |  |  |
| 4.3.1 | Excavate trenches for distribution network, 600mm average width and 1000mm average depth including site clearance | m | 450 |  |  |  |
| 4.3.2 | Constructions of chain link fence of 10m x 15m with at the water source for the protection solar panels and pump control units | sum | LS |  |  |  |
| 4.3.3 | Excavate for and Construct of Borehole chamber 1000mm x 12000 x 1000mm covered with fabricated steel cover | No | 1 |  |  |  |
| 4.3.4 | Excavate for and construct water flow meter Manholes 800mm x 800mm x 1000mm deep with concrete floor, blockwork walls, Fabricated steel cover. | No | 2 |  |  |  |
| **4.4** | **Construction of Domestic Points** |  |  |  |  |  |
| 4.4.1 | Excavate for and construct Six -taps Domestic point with concrete platform, drainage channel connecting to soak way pit 700mm internal dia. 1000mm deep, piping and taps as per Typical Piped System Domestic Point drawings | No | 1 |  |  |  |
| **4.5** | **Supply and install 10000litres Poly Tank** |  |  |  |  |  |
| 4.5.1 | Poly tank of 10000litres | No | 1 |  |  |  |
| 4.5.2 | Tank connectors DN50 | No | 3 |  |  |  |
| 4.5.3 | Bend DN 50 | No | 6 |  |  |  |
| 4.5.4 | Galvanized steel pipe DN 50 | m | 24 |  |  |  |
| 4.5.5 | Gate valve DN50 | No | 2 |  |  |  |
| 4.5.6 | Union DN 50 | No | 2 |  |  |  |
| 4.5.7 | Male connector DN 50 | No | 4 |  |  |  |
| 4.5.8 | Bibcock 3/4" | No | 6 |  |  |  |
| 4.5.9 | Construction raised reinforced concrete structure of 4m for the 10000litres Poly tank as per drawings | sum | LS |  |  |  |
|  | **Sub TOTAL 4: Pipe and Civil Works** |  |  |  |  |  |
|  | TOTAL |  |  |  |  |  |

**B. BILL OF QUANTITIES FOR DRILLING AND BOREHOLE CONSTRUCTION AT MWAMIGONGWA VILLAGE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Description of Work** | **Unit** | **Qty** | **Your Responses** | | |
| ***Yes, we will comply*** | ***No, we cannot comply*** | ***If you cannot comply, pls. indicate counter proposal*** |
| **1** | **PRELIMINARY AND GENERAL ITEMS** |  |  |  |  |  |
| 1.1 | Mobilization and Demobilization of drilling Rig to site | SUM | LS |  |  |  |
| 1.2 | Transportation of drilling rig from one site to another site | SUM | LS |  |  |  |
| 1.3 | Drilling Permit from Lake Victoria Basin office - Mwanza | Nr | 1 |  |  |  |
| 1.4 | Provide testing and Commissioning of works including piping mains, storage tank, mechanical and equipment systems as directed by the Engineer | Sum | LS |  |  |  |
|  | **Sub-Total: Preliminary and General Items** |  |  |  |  |  |
| **2** | **Hydro geophysical Surveys** |  |  |  |  |  |
| 2.1 | Conducting detailed hydro geophysical survey, data analysis, interpretation and reporting and recommendation for potential/prospective site | nos | 1 |  |  |  |
|  | **Sub-total: Hydro geophysical Surveys** |  |  |  |  |  |
| **3** | **DRILLING OF PRODUCTIVE BOREHOLE** |  |  |  |  |  |
| **3.1** | **Drilling of Productive Boreholes with Water yield capacity Equal or greater than 4.5m³/hr** |  |  |  |  |  |
| 3.1.1 | Pilot Drilling of boreholes, 6'' diameter to 150m depth |  |  |  |  |  |
|  | 0-25m | m | 25 |  |  |  |
|  | 25-50m | m | 25 |  |  |  |
|  | 50-75m | m | 25 |  |  |  |
|  | 75-100m | m | 25 |  |  |  |
|  | 100-125m | m | 25 |  |  |  |
|  | 125-150m | m | 25 |  |  |  |
| 3.3 | Sampling and storing of drilling cuttings at 1m intervals | m | 150 |  |  |  |
| 3.4 | Drilling of boreholes, 10 5/8'' diameter, average depth 25m | m | 25 |  |  |  |
| 3.5 | Reaming of a productive borehole, 8'' diameter at 150m depth | m | 150 |  |  |  |
| **3.6** | **Well Construction** |  |  |  |  |  |
| 3.6.1 | Supply and installation of PVC plain casing 6'' diameter | m | 100 |  |  |  |
| 3.6.2 | Supply and installation of PVC screen casing 6'' diameter | m | 50 |  |  |  |
| 3.6.3 | 10'' Steel standpipe for stabilization purposes for the 25m collapsible formation | m | 25 |  |  |  |
| 3.6.4 | Supply and installation of PVC bottom plug | nos | 1 |  |  |  |
| 3.6.5 | Supply and installation of gravel pack (@ bag 20 kg) | Bags | 120 |  |  |  |
| 3.6.6 | Cement sealing backfill and grouting | m3 | 1 |  |  |  |
| 3.6.7 | Well Development | hr | 6 |  |  |  |
| 3.6.8 | Supply and Install well centralizer as per specification | LS |  |  |  |  |
| **3.7** | **Well Completion** |  |  |  |  |  |
| 3.7.1 | Supply of material and casting a sanitary seal /concrete slab | nos | 1 |  |  |  |
| **3.8** | **Test Pumping** |  |  |  |  |  |
| 3.8.1 | Step testing for 6 hours each step at 2 hours interval | nos | 3 |  |  |  |
| 3.8.2 | Continuous/constant test, 24hrs constant pump test | hr | 24 |  |  |  |
| 3.8.3 | Recovery test | hr | 6 |  |  |  |
| 3.8.4 | Water quality sampling and testing for physical, chemical and biological analysis as per specifications | nos | 1 |  |  |  |
| 3.8.5 | Boreholes capping to prevent entrance of foreign matters using iron cap | nos | 1 |  |  |  |
|  | **Sub-total: Drilling of Productive Borehole** |  |  |  |  |  |
| **4** | **PIPE AND CIVIL WORKS** |  |  |  |  |  |
| **4.1** | **Supply and install pipeline complete with fittings including laying in trenches and backfill** |  |  |  |  |  |
| **4.1.1** | **For rising Main (Pipeline from the borehole to the storage tank)** |  |  |  |  |  |
| 4.1.1.1 | HDPE DN 63 PN 12 | m | 150 |  |  |  |
| **4.1.2** | **For distribution main (Pipeline from the water storage tank to the domestic point)** |  |  |  |  |  |
| 4.1.2.1 | HDPE DN 50 PN 10 | m | 300 |  |  |  |
| **4.2** | **Supply and Install Compression Fittings and Specials 50 with all accessories** |  |  |  |  |  |
| 4.2.1 | Non-Return Valves DN 63 | No | 1 |  |  |  |
| 4.2.2 | Air Valves DN DN32 PN10 | No | 1 |  |  |  |
| **4.3** | **Trench excavation** |  |  |  |  |  |
| 4.3.1 | Excavate trenches for distribution network, 600mm average width and 1000mm average depth including site clearance | m | 450 |  |  |  |
| 4.3.2 | Constructions of chain link fence of 10m x 15m with at the water source for the protection solar panels and pump control units | sum | LS |  |  |  |
| 4.3.3 | Excavate for and Construct of Borehole chamber 1000mm x 12000 x 1000mm covered with fabricated steel cover | No | 1 |  |  |  |
| 4.3.4 | Excavate for and construct water flow meter Manholes 800mm x 800mm x 1000mm deep with concrete floor, blockwork walls, Fabricated steel cover. | No | 2 |  |  |  |
| **4.4** | **Construction of Domestic Points** |  |  |  |  |  |
| 4.4.1 | Excavate for and construct Six -taps Domestic point with concrete platform, drainage channel connecting to soak way pit 700mm internal dia. 1000mm deep, piping and taps as per Typical Piped System Domestic Point drawings | No | 1 |  |  |  |
| **4.5** | **Supply and install 10000litres Poly Tank** |  |  |  |  |  |
| 4.5.1 | Poly tank of 10000litres | No | 2 |  |  |  |
| 4.5.2 | Tank connectors DN50 | No | 3 |  |  |  |
| 4.5.3 | Bend DN 50 | No | 6 |  |  |  |
| 4.5.4 | Galvanized steel pipe DN 50 | m | 24 |  |  |  |
| 4.5.5 | Gate valve DN50 | No | 2 |  |  |  |
| 4.5.6 | Union DN 50 | No | 2 |  |  |  |
| 4.5.7 | Male connector DN 50 | No | 4 |  |  |  |
| 4.5.8 | Bibcock 3/4" | No | 6 |  |  |  |
| 4.5.9 | Construction raised reinforced concrete structure of 4m for the 10000litres Poly tank as per drawings | sum | LS |  |  |  |
|  | Sub-total: **Pipe and Civil Works** |  |  |  |  |  |

**NOTE:**

The borehole will be supported by Off – Grid box system (Solar) with water pump for the same which will be supplied by UNDP.

***Dancilla Mukarubayiza***

***Deputy Resident Representative - Operations***

**May 14, 2019**

**Annex 2**

**FORM FOR SUBMITTING SUPPLIER’S QUOTATION[[8]](#footnote-8)**

***(This Form must be submitted only using the Supplier’s Official Letterhead/Stationery[[9]](#footnote-9))***

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ Reference No. RFQ/TZA/2019/004:

**TABLE 1: Drilling and Construction of Boreholes**

**LOT 1**

**PRICE SUMMARY FOR DRILLING AND CONSTRUCTION FOR THREE BOREHOLES IN THREE VILLAGE IN IKUNGI DISTRICT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Description** | **Unit** | **Qty** | **Rate**  **(TZS)** | **Amount**  **(TZS)** |
| 1 | Geophysical Survey in Three Villages |  |  |  |  |
| 2 | Drilling Permit |  |  |  |  |
| 3 | Drilling of Three Boreholes |  |  |  |  |
| 4 | Supply and Install casing 150mm diameter (3m length) |  |  |  |  |
| 5 | well development, installation and capping |  |  |  |  |
| 6 | Supply and install 10000litres Poly Tank |  |  |  |  |
| 7 | Topographical Survey and Design |  |  |  |  |
| 8 | Construction of Raiser and domestic points |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | **Sub-Total** |  |  |  |  |
|  | Add 18% VAT |  |  |  |  |
|  | **TOTAL** |  |  |  |  |

**PRICE BREAKDOWN FOR DRILLING AND CONSTUCTION OF PRODUCTIVE THREE BOREHOLES IN THREE VILLAGE IN IKUNGI DISTRICT**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Description** | **Unit** | **Qty** | **No of Villages** | **Latest Delivery Date** | **Unit Price** | **Total Price per Item** | |
| **PHASE I** |  |  |  |  |  |  | |
| **1.0 Geophysical Survey in Three Villages** |  |  |  |  |  | |  |
| Mobilization and demobilization Equipment (Transport cost) | 2 trips | 2 | 3 |  |  |  | |
| Hydrogeological and Geophysical Survey in three villages | 3 sites | 9 | 3 |  |  |  | |
| Reporting | 1 | 3 | 3 |  |  |  | |
| **2.0: Drilling Permit** |  |  |  |  |  |  | |
| Drilling permit cost per three boreholes | 1 | 3 | 3 |  |  |  | |
| **3.0 Drilling of Three Boreholes** |  |  |  |  |  |  | |
| Mobilization and demobilization Equipment | 2 | 1 | 1 |  |  |  | |
| **3.1 Drilling of borehole (Est. depth 150m) in each village** |  |  |  |  |  |  | |
| Drilling a hole 300mm diameter in alluvium or overburden for protective/working casing 0 – 25m | 25m | 75 | 3 |  |  |  | |
| **3.2 Drilling a borehole 8" diameter** |  |  |  |  |  |  | |
| Drilling 25 – 125m | 100m | 300 | 3 |  |  |  | |
| Drilling 125m – 150m | 25m | 75 | 3 |  |  |  | |
| Taking samples for analysis for each 2m drilled in each borehole. | No 75 | 225 | 3 |  |  |  | |
| **4.0 Supply and Install casing 150mm diameter (3m length)** |  |  |  |  |  |  | |
| Supply and Installation 6” inches diameter Plain casings | 90M | 270 | 3 |  |  |  | |
| Supply and Installation 6” inches diameter Screen casings | 60M | 180 | 3 |  |  |  | |
| **5.0 well development, installation and capping** |  |  |  |  |  |  | |
| Supply and installation of filter gravel pack ranging between 3mm to 5mm | 5m³ | 15 | 3 |  |  |  | |
| Supply and installation of inert back fill | 1m³ | 3 | 3 |  |  |  | |
| Supply of material and casting a sanitary seal | 3m³ | 3 | 3 |  |  |  | |
| Borehole development and cleaning | 6Hrs | 18 | 3 |  |  |  | |
| **6.0 Supply and install 10000litres Poly Tank** |  |  |  |  |  |  | |
| Poly tank of 10000litres | No |  | 3 |  |  |  | |
| Tank connectors DN50 | No |  | 3 |  |  |  | |
| Bend DN 50 | No |  | 6 |  |  |  | |
| Galvanized steel pipe DN 50 | m |  | 24 |  |  |  | |
| Gate valve DN50 | No |  | 2 |  |  |  | |
| Union DN 50 | No |  | 2 |  |  |  | |
| Male connector DN 50 | No | 3 | 4 |  |  |  | |
| Bibcock 3/4" | No | 72 | 6 |  |  |  | |
| Recovery | 6 Hrs. | 18 | 3 |  |  |  | |
| Water sampling and quality analysis for both physical, chemical and biological | No. 1 | 3 | 3 |  |  |  | |
| Borehole completion and Pumping test report | No. 1 | 3 | 3 |  |  |  | |
| **7.0 Topographical Survey and Design** |  |  |  |  |  |  | |
| Topographical Survey to know the terrain of the area and locate the location of the tank | No. 1 | 3 | 3 |  |  |  | |
| To conduct detain design for Raising Main, Tank and distribution network | No. 1 | 3 | 3 |  |  |  | |
| **PHASE II** |  |  |  |  |  |  | |
| **Construction of Raiser and domestic points** |  |  |  |  |  |  | |
| Construction of Raising main from the borehole to the tank. | No. 1 | 3 | 3 |  |  |  | |
| Construction of Reservoir Tank Stand/Raisers with reinforced concrete roof for simtank riser L=3m x 3m x 6m height for the 10000litres Poly tank | No | 3 | 1 |  |  |  | |
| Construction of complete distribution network with domestic point with 6 outlets 20m from the borehole. With concrete platform, drainage channel connecting to soak way pit 700mm internal dia. 1000mm deep, piping and taps as per Typical Piped System Domestic Point drawings | No 6 | 18 | 3 |  |  |  | |
| Preparation and submission of Construction Report No. 1 | No 1 | 3 | 3 |  |  |  | |

**LOT 2**

**LOT 2 (A) PRICE SUMMARY FOR DRILLING AND CONSTRUCTION OF BOREHOLE AT BUSAMI VILLAGE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Description** | **Unit** | **Qty** | **Rate (TZS)** | **Amount (TZS)** |
| 1 | Preliminary and General Items |  |  |  |  |
| 2 | Hydro geophysical Surveys |  |  |  |  |
| 3 | Drilling of Productive Borehole |  |  |  |  |
| 4 | Pipe and Civil works |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | **Sub-Total** |  |  |  |  |
|  | Add 18% VAT |  |  |  |  |
|  | **TOTAL** |  |  |  |  |

**PRICE BREAKDOWN FOR DRILLING AND CONSTUCTION OF PRODUCTIVE BOREHOLES AT BUSAMI VILLAGE IN BUSEGA DISTRICT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Description of Work** | **Unit** | **Qty** | **Rate (TZS)** | **Amount (TZS)** |
| **1** | **PRELIMINARY AND GENERAL ITEMS** |  |  |  |  |
| 1.1 | Mobilization and Demobilization of drilling Rig to site | SUM | LS |  |  |
| 1.2 | Transportation of drilling rig from one site to another site | SUM | LS |  |  |
| 1.3 | Drilling Permit from Lake Victoria Basin office - Mwanza | Nr | 1 |  |  |
| 1.4 | Provide testing and Commissioning of works including piping mains, storage tank, mechanical and equipment systems as directed by the Engineer | Sum | LS |  |  |
|  | **Sub-Total 1: Preliminary and General Items** |  |  |  |  |
| **2** | **HYDRO GEOPHYSICAL SURVEYS** |  |  |  |  |
| 2.1 | Conducting detailed hydro geophysical survey, data analysis, interpretation and reporting and recommendation for potential/prospective site | nos | 1 |  |  |
|  | **Sub Total 2: Hydro geophysical Surveys** |  |  |  |  |
| **3** | **DRILLING OF PRODUCTIVE BOREHOLE** |  |  |  |  |
| **3.1** | **Drilling of Productive Boreholes with Water yield capacity Equal or greater than 4.5m³/hr** |  |  |  |  |
| 3.1.1 | Pilot Drilling of boreholes, 6'' diameter to 150m depth |  |  |  |  |
|  | 0-25m | m | 25 |  |  |
|  | 25-50m | m | 25 |  |  |
|  | 50-75m | m | 25 |  |  |
|  | 75-100m | m | 25 |  |  |
|  | 100-125m | m | 25 |  |  |
|  | 125-150m | m | 25 |  |  |
| 3.3 | Sampling and storing of drilling cuttings at 1m intervals | m | 150 |  |  |
| 3.4 | Drilling of boreholes, 10 5/8'' diameter, average depth 25m | m | 25 |  |  |
| 3.5 | Reaming of a productive borehole, 8'' diameter at 150m depth | m | 150 |  |  |
| **3.6** | **Well Construction** |  |  |  |  |
| 3.6.1 | Supply and installation of PVC plain casing 6'' diameter | m | 100 |  |  |
| 3.6.2 | Supply and installation of PVC screen casing 6'' diameter | m | 50 |  |  |
| 3.6.3 | 10'' Steel standpipe for stabilization purposes for the 25m collapsible formation | m | 25 |  |  |
| 3.6.4 | Supply and installation of PVC bottom plug | nos | 1 |  |  |
| 3.6.5 | Supply and installation of gravel pack (@ bag 20 kg) | Bags | 120 |  |  |
| 3.6.6 | Cement sealing backfill and grouting | m3 | 1 |  |  |
| 3.6.7 | Well Development | hr | 6 |  |  |
| 3.6.8 | Supply and Install well centralizer as per specification | LS |  |  |  |
| **3.7** | **Well Completion** |  |  |  |  |
| 3.7.1 | Supply of material and casting a sanitary seal /concrete slab | nos | 1 |  |  |
| **3.8** | **Test Pumping** |  |  |  |  |
| 3.8.1 | Step testing for 6 hours each step at 2 hours interval | nos | 3 |  |  |
| 3.8.2 | Continuous/constant test, 24hrs constant pump test | hr | 24 |  |  |
| 3.8.3 | Recovery test | hr | 6 |  |  |
| 3.8.4 | Water quality sampling and testing for physical, chemical and biological analysis as per specifications | nos | 1 |  |  |
| 3.8.5 | Boreholes capping to prevent entrance of foreign matters using iron cap | nos | 1 |  |  |
|  | **Sub-total 3: Drilling of Productive Borehole** |  |  |  |  |
| **4** | **PIPE AND CIVIL WORKS** |  |  |  |  |
| **4.1** | **Supply and install pipeline complete with fittings including laying in trenches and backfill** |  |  |  |  |
| **4.1.1** | **For rising Main (Pipeline from the borehole to the storage tank)** |  |  |  |  |
| 4.1.1.1 | HDPE DN 63 PN 12 | m | 150 |  |  |
| **4.1.2** | **For distribution main (Pipeline from the water storage tank to the domestic point)** |  |  |  |  |
| 4.1.2.1 | HDPE DN 50 PN 10 | m | 300 |  |  |
| **4.2** | **Supply and Install Compression Fittings and Specials 50 with all accessories** |  |  |  |  |
| 4.2.1 | Non-Return Valves DN 63 | No | 1 |  |  |
| 4.2.2 | Air Valves DN DN32 PN10 | No | 1 |  |  |
| **4.3** | **Trench excavation** |  |  |  |  |
| 4.3.1 | Excavate trenches for distribution network, 600mm average width and 1000mm average depth including site clearance | m | 450 |  |  |
| 4.3.2 | Constructions of chain link fence of 10m x 15m with at the water source for the protection solar panels and pump control units | sum | LS |  |  |
| 4.3.3 | Excavate for and Construct of Borehole chamber 1000mm x 12000 x 1000mm covered with fabricated steel cover | No | 1 |  |  |
| 4.3.4 | Excavate for and construct water flow meter Manholes 800mm x 800mm x 1000mm deep with concrete floor, blockwork walls, Fabricated steel cover. | No | 2 |  |  |
| **4.4** | **Construction of Domestic Points** |  |  |  |  |
| 4.4.1 | Excavate for and construct Six -taps Domestic point with concrete platform, drainage channel connecting to soak way pit 700mm internal dia. 1000mm deep, piping and taps as per Typical Piped System Domestic Point drawings | No | 1 |  |  |
| **4.5** | **Supply and install 10000litres Poly Tank** |  |  |  |  |
| 4.5.1 | Poly tank of 10000litres | No | 1 |  |  |
| 4.5.2 | Tank connectors DN50 | No | 3 |  |  |
| 4.5.3 | Bend DN 50 | No | 6 |  |  |
| 4.5.4 | Galvanized steel pipe DN 50 | m | 24 |  |  |
| 4.5.5 | Gate valve DN50 | No | 2 |  |  |
| 4.5.6 | Union DN 50 | No | 2 |  |  |
| 4.5.7 | Male connector DN 50 | No | 4 |  |  |
| 4.5.8 | Bibcock 3/4" | No | 6 |  |  |
| 4.5.9 | Construction raised reinforced concrete structure of 4m for the 10000litres Poly tank as per drawings | sum | LS |  |  |
|  | **Sub-total 4: Pipe and Civil Works** |  |  |  |  |
|  | **TOTAL** |  |  |  |  |

**LOT 2 (B) PRCIE SUMMARY FOR DRILLING AND BOREHOLE CONSTRUCTION AT MWAMIGONGWA VILLAGE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SUMMARY** | | | | | |
| **Item** | **Description** | **Unit** | **Qty** | **Rate**  **(TZS)** | **Amount (TZS)** |
| 1 | Preliminary and General Items |  |  |  |  |
| 2 | Hydro geophysical Surveys |  |  |  |  |
| 3 | Drilling of Productive Borehole |  |  |  |  |
| 4 | Pipe and Civil works |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | **Sub-Total** |  |  |  |  |
|  | Add 18% VAT |  |  |  |  |
|  | **TOTAL** |  |  |  |  |

**PRICE BREAKDOWN FOR DRILLING AND CONSTUCTION OF PRODUCTIVE BOREHOLES AT MWAMIGONGWA VILLAGE IN BUSEGA DISTRICT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Description of Work** | **Unit** | **Qty** | **Rate (TZS)** | **Amount (TZS)** |
| **1** | **PRELIMINARY AND GENERAL ITEMS** |  |  |  |  |
| 1.1 | Mobilization and Demobilization of drilling Rig to site | SUM | LS |  |  |
| 1.2 | Transportation of drilling rig from one site to another site | SUM | LS |  |  |
| 1.3 | Drilling Permit from Lake Victoria Basin office—Mwanza | Nr | 1 |  |  |
| 1.4 | Provide testing and Commissioning of works including piping mains, storage tank, mechanical and equipment systems as directed by the Engineer | Sum | LS |  |  |
|  | **Sub-Total: Preliminary and General Items** |  |  |  |  |
| **2** | **Hydro geophysical Surveys** |  |  |  |  |
| 2.1 | Conducting detailed hydro geophysical survey, data analysis, interpretation and reporting and recommendation for potential/prospective site | nos | 1 |  |  |
|  | **Sub-total: Hydro geophysical Surveys** |  |  |  |  |
| **3** | **DRILLING OF PRODUCTIVE BOREHOLE** |  |  |  |  |
| **3.1** | **Drilling of Productive Boreholes with Water yield capacity Equal or greater than 4.5m³/hr.** |  |  |  |  |
| 3.1.1 | Pilot Drilling of boreholes, 6'' diameter to 150m depth |  |  |  |  |
|  | 0-25m | m | 25 |  |  |
|  | 25-50m | m | 25 |  |  |
|  | 50-75m | m | 25 |  |  |
|  | 75-100m | m | 25 |  |  |
|  | 100-125m | m | 25 |  |  |
|  | 125-150m | m | 25 |  |  |
| 3.3 | Sampling and storing of drilling cuttings at 1m intervals | m | 150 |  |  |
| 3.4 | Drilling of boreholes, 10 5/8'' diameter, average depth 25m | m | 25 |  |  |
| 3.5 | Reaming of a productive borehole, 8'' diameter at 150m depth | m | 150 |  |  |
| **3.6** | **Well Construction** |  |  |  |  |
| 3.6.1 | Supply and installation of PVC plain casing 6'' diameter | m | 100 |  |  |
| 3.6.2 | Supply and installation of PVC screen casing 6'' diameter | m | 50 |  |  |
| 3.6.3 | 10'' Steel standpipe for stabilization purposes for the 25m collapsible formation | m | 25 |  |  |
| 3.6.4 | Supply and installation of PVC bottom plug | nos | 1 |  |  |
| 3.6.5 | Supply and installation of gravel pack (@ bag 20 kg) | Bags | 120 |  |  |
| 3.6.6 | Cement sealing backfill and grouting | m3 | 1 |  |  |
| 3.6.7 | Well Development | hr | 6 |  |  |
| 3.6.8 | Supply and Install well centralizer as per specification | LS |  |  |  |
| **3.7** | **Well Completion** |  |  |  |  |
| 3.7.1 | Supply of material and casting a sanitary seal /concrete slab | nos | 1 |  |  |
| **3.8** | **Test Pumping** |  |  |  |  |
| 3.8.1 | Step testing for 6 hours each step at 2 hours interval | nos | 3 |  |  |
| 3.8.2 | Continuous/constant test, 24hrs constant pump test | hr | 24 |  |  |
| 3.8.3 | Recovery test | hr | 6 |  |  |
| 3.8.4 | Water quality sampling and testing for physical, chemical and biological analysis as per specifications | nos | 1 |  |  |
| 3.8.5 | Boreholes capping to prevent entrance of foreign matters using iron cap | nos | 1 |  |  |
|  | **Sub-total: Drilling of Productive Borehole** |  |  |  |  |
| **4** | **PIPE AND CIVIL WORKS** |  |  |  |  |
| **4.1** | **Supply and install pipeline complete with fittings including laying in trenches and backfill** |  |  |  |  |
| **4.1.1** | **For rising Main (Pipeline from the borehole to the storage tank)** |  |  |  |  |
| 4.1.1.1 | HDPE DN 63 PN 12 | m | 150 |  |  |
| **4.1.2** | **For distribution main (Pipeline from the water storage tank to the domestic point)** |  |  |  |  |
| 4.1.2.1 | HDPE DN 50 PN 10 | m | 300 |  |  |
| **4.2** | **Supply and Install Compression Fittings and Specials 50 with all accessories** |  |  |  |  |
| 4.2.1 | Non-Return Valves DN 63 | No | 1 |  |  |
| 4.2.2 | Air Valves DN DN32 PN10 | No | 1 |  |  |
| **4.3** | **Trench excavation** |  |  |  |  |
| 4.3.1 | Excavate trenches for distribution network, 600mm average width and 1000mm average depth including site clearance | m | 450 |  |  |
| 4.3.2 | Constructions of chain link fence of 10m x 15m with at the water source for the protection solar panels and pump control units | sum | LS |  |  |
| 4.3.3 | Excavate for and Construct of Borehole chamber 1000mm x 12000 x 1000mm covered with fabricated steel cover | No | 1 |  |  |
| 4.3.4 | Excavate for and construct water flow meter Manholes 800mm x 800mm x 1000mm deep with concrete floor, blockwork walls, Fabricated steel cover. | No | 2 |  |  |
| **4.4** | **Construction of Domestic Points** |  |  |  |  |
| 4.4.1 | Excavate for and construct Six -taps Domestic point with concrete platform, drainage channel connecting to soak way pit 700mm internal dia. 1000mm deep, piping and taps as per Typical Piped System Domestic Point drawings | No | 1 |  |  |
| **4.5** | **Supply and install 10000litres Poly Tank** |  |  |  |  |
| 4.5.1 | Poly tank of 10000litres | No | 2 |  |  |
| 4.5.2 | Tank connectors DN50 | No | 3 |  |  |
| 4.5.3 | Bend DN 50 | No | 6 |  |  |
| 4.5.4 | Galvanized steel pipe DN 50 | m | 24 |  |  |
| 4.5.5 | Gate valve DN50 | No | 2 |  |  |
| 4.5.6 | Union DN 50 | No | 2 |  |  |
| 4.5.7 | Male connector DN 50 | No | 4 |  |  |
| 4.5.8 | Bibcock 3/4" | No | 6 |  |  |
| 4.5.9 | Construction raised reinforced concrete structure of 4m for the 10000litres Poly tank as per drawings | sum | LS |  |  |
|  | Sub-total: **Pipe and Civil Works** |  |  |  |  |

**TABLE 2: Offer to Comply with Other Conditions and Related Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Other Information pertaining to our Quotation are as follows:** | **Your Responses** | | |
| ***Yes, we will comply*** | ***No, we cannot comply*** | ***If you cannot comply, pls. indicate counter proposal*** |
| Delivery Lead Time |  |  |  |
| Estimated weight/volume/dimension of the as detailed in BOQ/TOR |  |  |  |
|  |  |  |  |
| Warranty and After-Sales Requirements |  |  |  |
| 1. Training on Operations and Maintenance |  |  |  |
| 1. Minimum one (1) year warranty on both parts and labor |  |  |  |
| 1. Service Unit to be Provided when the Purchased Unit is Under Repair |  |  |  |
| 1. Brand new replacement if Purchased Unit is beyond repair |  |  |  |
|  |  |  |  |
| Validity of Quotation |  |  |  |
| All Provisions of the UNDP General Terms and Conditions |  |  |  |
|  |  |  |  |

All other information that we have not provided automatically implies our full compliance with the requirements, terms and conditions of the RFQ.

*[Name and Signature of the Supplier’s Authorized Person]*

*[Designation]*

*[Date]*

1. [↑](#footnote-ref-1)
2. [↑](#footnote-ref-2)
3. [↑](#footnote-ref-3)
4. [↑](#footnote-ref-4)
5. [↑](#footnote-ref-5)
6. [↑](#footnote-ref-6)
7. [↑](#footnote-ref-7)
8. [↑](#footnote-ref-8)
9. [↑](#footnote-ref-9)