**Date: 24th October 2024**

**TENDER ADVERTISEMENT**

Habitat for Humanity Kenya invites bids from interested, eligible, reputable, and competent suppliers for the supply of:

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| **TENDER REF NO** | **ITEM DESCRIPTION** | **DELIVERY LOCATION** |
| HFHK/BMZ/336/2024/10HFHK/BMZ/337/2024/10 | 1. **Drilling Of New Borehole (220m Bgl) And Casing Per Meter for Average (220m Scenario)**
2. **Solar Power and Submersible Pump and Installation Works**

As per specification provided on BOQ | Solio Mukandamia village 6 Laikipia East, Laikipia County |

Interested bidders must enclose the following documents

* Valid KRA Pin/VAT/Tax Compliance certificate
* CR12
* Valid Business Permit and all professional certifications from relevant bodies, such as NCA, EPRA, ministry of water among others.
* Attachment of 3 similar works i.e. LPO’s/Contracts
* At least 2-3 years of operation
* Price quoted should be in KE inclusive of tax

Duly completed and sealed tender documents in a plain envelope with the tender number

 1**. HFHK/BMZ/336/2024/10/ HFHK/BMZ/337/2024/10**

Solio Mukandamia village 6 Laikipia East, Laikipia County on the envelope should be deposited **AS A SINGLE TENDER DOCUMENT** IN the tender box placed at the Habitat for Humanity Kenya 3rd floor CVS Plaza Kasuku lane off Lenana road on or before close of business on 7th November 2024 addressed to;

The Chairperson, Procurement Committee,

Habitat for Humanity Kenya

Kasuku Lane-off Lenana Road,

P.O Box 38948 – 00623, Nairobi Kenya.

Habitat for Humanity Kenya reserve the right to accept or reject any tender in part or wholly and does not bind itself to accept the lowest bidder. Only successful bidders will receive communication from HFHK office. Any form of canvassing either directly or indirectly shall lead to disqualification of the tender.

For any clarification send an email to (procurement@hfhkenya.org).



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| **Bill of Quantities/Schedules of Prices**  |  |  |
| **Tender No.**  |  |  |
| **DRILLING AND EQUIPPING OF MUKANDAMIA BOREHOLE IN LAIKIPIA COUNTY (VILLAGE 6)** |  |  |
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| **ITEM**  | **DESCRIPTION**  | **AMOUNT**  |  |  |  |
|  |  **SUMMARY**  | **KSHS**  |  |  |  |
|  | **DRILLING AND EQUIPPING OF MUKANDAMIA BOREHOLE IN LAIKIPIA COUNTY**  |  |  |  |  |
| **A.**  | **BILL NO. 01: PRELIMINARIES AND GENERALS**  |  **-**  |  |  |  |
| **B**  | **BILL NO. 02: BOREHOLE DRILLING** |  **-**  |  |  |  |
| **C** | **BILL NO. 03: SUPPLY AND INSTALLATION OF SOLAR PUMP**  |  **-**  |  |  |  |
| **D** | **BILL NO. 04: PLUMBING WORKS** |  |  |  |  |
|  | **TOTAL CARRIED TO GRAND SUMMARY**  |  |  |  |  |
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| **ITEM NO.**  | **ITEM DESCRIPTION**  | **UNIT**  | **QTY**  |  **RATE**  |  **AMOUNT**  |
|  |  |  |  |  **(KSHS)**  |  **KSHS**  |
|  | **BILL NO.01**  |  |  |  |  |
|  | **PRELIMINARIES AND GENERALS**  |  |  |  |  |
| **A.**  | **Allow provision for insurance**  | **ITEM**  | **1** |  |  **-**  |
| **B** | **Erect a sign board for the work as required by law and as shall be directed by PM**  | **ITEM**  | **1** |  |  **-**  |
|  | **TOTAL BILL NO.01 CARRIED TO SUMMARY**  |  |  |  |  **-**  |
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|  | **BILL NO. 2: DRILLING** |  |  |  |  |
| **ITEM**  | **DESCRIPTION**  | **UNIT**  | **QTY**  |  **RATE**  |  **AMOUNT**  |
|  |  |  |  |  **(KSHS)**  |  **KSHS**  |
| **1** | **DTH drilling 8.5" diameter borehole from 0-100m depth** | **m** | **100** |  |  **-**  |
| **2** | **DTH drilling 8.5" diameter borehole from 100-200m depth (actual depth to be determined)** | **m** | **100** |  |  **-**  |
| **3** | **DTH drilling 8.5" diameter borehole above 200m depth if necessary. (actual depth to be determined)** | **m** | **20** |  |  **-**  |
| **4** | **Water for drilling and camp use, maintenance of storage tanks, water injection systems and usage of drilling foam** | **Sum** | **1** |  |  **-**  |
| **5** | **Supply and installation of 152mm diameter plain steel casing. (4mm thick plate)** | **m** | **154** |  |  **-**  |
| **6** | **Supply and installation of 152mm diameter slotted steel casing. (4mm thick plate)** | **m** | **66** |  |  **-**  |
| **7** | **Supply and Install gravel pack in the borehole** | **Ton** | **8** |  |  **-**  |
| **8** | **Allow for borehole development work surging by air of completed well until the water is clean (Turbidity less than 20NTU)** | **Hr** | **4** |  |  **-**  |
| **9** | **Allow to the cost of Reaming and boring.** | **LS** | **1** |  |  **-**  |
| **10** | **Insert, remove temporary casing etc.** | **Hr** | **1** |  |  **-**  |
| **11** | **Insert 9" of temporary casing permanently.** | **M** | **1** |  |  **-**  |
| **12** | **Allow to the cost of Bentonite seal.** | **Ls** | **1** |  |  **-**  |
| **13** | **Provide all materials and construct concrete plinth and provide a well cap** | **Sum** | **1** |  |  **-**  |
| **14** | **Pump testing completed well. Time taken to install and remove pump inclusive** | **Hr** | **24** |  |  **-**  |
| **15** | **Borehole Completion Data Report** | **LS** | **1** |  |  **-**  |
| **16** | **Geological logging of boreholes including taking samples as specified.** | **LS** | **1** |  |  **-**  |
| **17** | **Water Chemical and bacteriological Analysis Reports** | **Sum** | **2** |  |  **-**  |
|  |  |  |  |  |  |
|  | **BILL NO. 2: BOREHOLE DRILLING CARRIED TO SUMMARY** |  |  |  |  **-**  |
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| **BILL NO. 3: EQUIPPING AND SOLARIZATION OF NEW BOREHOLE (PROVISIONAL)** |
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| **ITEM**  | **DESCRIPTION**  | **UNIT**  | **QTY**  |  **RATE**  |  **AMOUNT**  |
|  |  |  |  |  **(KSHS)**  |  **KSHS**  |
|  | **3.1 EQUIPPING** |  |  |  |  |
| **A** | **Supply and install (at 162 m) submersible pumpset SP 14-27 complete with 7.5kw sub motor, electrodes, electrode cable, cables, float switch and various installation accessories (provisional)** | **Set** | **1** |  |  **-**  |
| **B** | **Provide and install Borehole cover 2\*6 W/O B/Valve**  | **no** | **1** |  |  **-**  |
| **C** | **6mm² 4-core hardened PVC flat submersible cable** | **LM** | **180** |  |  **-**  |
| **D** | **6mm² 4-core hardened armoured cable** | **LM** | **20** |  |  **-**  |
| **E** | **Supply and install heavy duty upvc delivery pipes 2 inch of 3M length made of strong non corroding and deep square thread spigot ends with rubber joint for easy coupling**  | **No** | **50** |  |  **-**  |
| **F** | **50mm Non-return valve** | **no** | **1** |  |  **-**  |
| **G** | **50mm flanged Multijet water meter (Kent)** | **no** | **1** |  |  **-**  |
| **H** | **Prepare site and construct 1.2mx 0.8m x 0.6m valve chamber complete with cover** | **No.** | **1** |  |  **-**  |
|  |  |  |  |  |  |
|  | **3.2 SOLAR SYSTEM INSTALLATION WORKS (PROVISIONAL)** |  |  |  |  |
|  | ***Assumed Head =160m (DISCHARGE of 14 M3/hr Powered by 7.5KW motor and fourty (40) Solar PANELS with 250W capacity)*** |  |  |  |  |
| **A** | **Erect an appropriate stand for the panels made of 75mm stand pipes, 50 mm SHS members, stub Column bases, to support the panels, guard rails, permanent and movable ladders as shall be approved by the PM** | **Item** | **1** |  |  **-**  |
| **B** | **Supply, deliver to site and install Mono Crystalline Photo Voltaic Solar Modules connected in panels of 250W** | **No.**  | **40** |  |  **-**  |
| **C** | **Supply, deliver to site and install 7.5KW 3PH inverter** | **No.** | **1** |  |  **-**  |
| **D** | **Supply, deliver to site and install matching DC PV Disconnect Switch** | **No.**  | **1** |  |  **-**  |
| **E** | **UG Cable 4mm2/ 4 - Core** | **m** | **20** |  |  **-**  |
| **F** | **UG Cable 1.5mm2- 2 Core** | **m** | **20** |  |  **-**  |
| **G** | **Supply, deliver to site and install Earth rod complete with Clamp**  | **No.**  | **1** |  |  **-**  |
| **H** | **Install Earth electrode wire, 6.0mm2 Copper Earth Cable.**  | **m** | **10** |  |  **-**  |
| **I** | **Install Twin Flat 10mm Cable with Earth- Solar Array**  | **m** | **40** |  |  **-**  |
| **J** | **Supply, deliver to site and use Installation Sundries**  | **Item** | **1** |  |  **-**  |
| **K** | **Supply and Install GS inverter lockable Enclosure 1000x500x350mm** | **Item** | **1** |  |  **-**  |
| **L** | **Allow for testing and commissioning to full system operationalization.**  | **Item** | **1** |  |  **-**  |
| **M** | **Supply and Install ligtening arrestor**  | **LS** | **1** |  |  **-**  |
|  | **BILL NO. 3: BH EQUIPPING & SOLARIZATION CARRIED TO SUMMARY PAGE** |  |  |  **-**  |
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| **ITEM**  | **DESCRIPTION**  | **UNIT**  | **QTY**  |  **RATE**  |  **AMOUNT**  |
|  |  |  |  |  **(KSHS)**  |  **KSHS**  |
|  | **ELEMENT NO-04: PLUMBING WORKS** |
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|  | **PLUMBING WORKS**  |  |  |  |  |
|  |  |  |  |  |  |
| **A** | **Allow a Provisional sum of Kenya Shillings Three Hundred thousand (Kshs. 300,000/=) for Reticulation works** | **LS** | **1** |  |  |
|  | **TOTAL BILL NO. 05 CARRIED TO MAIN SUMMARY**  |  |  |  |  |