

Bill of Quantity for Borehole Drilling

Location:-Host Community

No wells: Eight (8)

Anticipated depth of the well:- 90 M each

| Item No. | Description | Unit | Qty | Unit Price (USD) | Total Price (USD) |
|----------|---|----------|-----|------------------|-------------------|
| 1 | Hydrogeological Survey | | | | |
| 1.1 | Conduct a detail hydro-geological study using standard methods (tools and qualified professionals) to confirm the exact borehole sites within 100 meters of radius from the given GPS location/ from the location given by the client's representative. The price shall include the electronic and hard copy report submission. | Ls. | 1 | | - |
| | Subtotal 1 | | | | - |
| 2 | General Item | | | | |
| 2.1 | Mobilization of crew, drilling rig, drilling tools and all the required materials for this contract | Ls. | 1 | | - |
| 2.2 | Inter site mobilization | Ls. | 0 | | - |
| 2.3 | Site preparation, setting up of the machine and | Site | 1 | | - |
| 2.4 | Demobilization of Machine and tools | Ls. | 1 | | - |
| | Subtotal 1 | | | | - |
| 3 | Drilling in All Formation | | | | |
| 3.1 | Drilling site clearing before and after | Lump Sum | 1 | | |
| 3.2 | Drilling of all types of formation up to 120 m total well depth with Ø 10 1/2" bit | M | 120 | | - |
| 3.3 | Lithologic well logging | Ls. | 1 | | - |
| | Subtotal 2 | | | | - |
| 4 | Supply and installation of casing | | | | |

| | | | | | |
|-------------------|---|----------|----|--|---|
| 4.1 | Supply and installation of surface casing Ø 12” (steel) | m | 3 | | - |
| 4.2 | Supply and install 6" internal diameter standard plain UPVC casing to 70% of total depth plus 20% buffer for breakage (8.6-9.6mm thickness blind) | pcs | 91 | | - |
| 4.3 | Supply and install 6" internal diameter standard screen UPVC casing to 30% of total depth plus | pcs | 39 | | - |
| Subtotal 3 | | | | | - |
| 5 | Well Development | | | | |
| 5.1 | HDPE Pipe 10bar pressure | M | 22 | | - |
| 5.2 | Supply and pack selected 4-6mm river | MT | 5 | | - |
| 5.3 | Well Development | Well | 1 | | - |
| 5.4 | Well head construction and cement grouting to | Well | 1 | | - |
| Subtotal 4 | | | | | - |
| 6 | Water quality analysis | | | | |
| 6.1 | Water sample physical, Bacteriological and | Lump Sum | 1 | | - |
| Subtotal 5 | | | | | - |
| 7 | Borehole Disinfection | | | | |
| 7.1 | Sterilization with 50mg/l chlorine solution | No | 1 | | - |
| Subtotal 6 | | | | | - |
| 8 | Construction of plat form and hand pump installation | | | | |
| 8.1 | Supply and install solar Grundfos hybrid SP 14A- | No | 1 | | - |
| 8.2 | Conduct step and continous test pumping | Hr | 10 | | - |
| Subtotal 7 | | | | | - |
| 9 | Report Compilation | | | | |
| 9.1 | Data analysis, drilling and pump test report compilation in a hard copies and in electronic | No. | 1 | | - |
| Subtotal 8 | | | | | - |
| TOTAL COST | | | | | - |

