**FINANCIAL REQUIREMENTS**

A breakdown of the main cost items in the local currency for drilling a bore hole. (One borehole)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QTY** | **RATE**  **KSH** | **AMOUNT (KSH)** |
| **A** | **Mobilization** |  |  |  |  |
| **A1** | Allow for confirmation survey | Item | 1 | 45,000 | 45,000 |
| **A2** | Mobilization and demobilization of all plant, materials, equipments and personnel | Item | 1 | 308,000 | 308,000 |
| **A3** | Setting up and dismantling | No. | 1 | 48,000 | 48,000 |
| **B** | **Drilling** |  |  |  |  |
| **B1** | Drilling at 254mm diameter | M | 5 | 6,500 | 32,500 |
| **B2** | Drilling at 203mm diameter | M | 75 | 3,900 | 292,500 |
| **B3** | Reaming (all diameters, when instructed) | M | - | 114,000 | 114,000 |
| **B4** | Sampling and storing of drill cutting at 2m interval | M | 40 | 300 | 12,000 |
| **C** | **Supply of materials** |  |  |  |  |
| **C1** | Supply of surface casing, mild steel 5mm thickness, 209mm ID, 5m lengths | M | 5 | 4,000 | 20,000 |
| **C2** | Supply of plain casing ,UPVC, 160mm OD | LM | 60 | 5,000 | 300,000 |
| **C3** | Supply of perforated screens, UPVC 160MM, OD | LM | 20 | 3,850 | 77,000 |
| **C4** | Supply of centralizers , 203/160mm | N o | 5 | 6,000 | 30,000 |
| **C5** | Supply of bottom caps | No | 1 | 6,000 | 6,000 |
| **C6** | Supply of Gravel pack | M3 | 8 | 8,000 | 64,000 |
| **C7** | Supply of inert backfill | M3 | - | 18,000 | 18,000 |
| **C8** | Supply of Cray seals | M3 | - | 120,000 | 120,000 |
| **D** | **Installation** |  |  |  |  |
| **D1** | Installation of surface casing and screens, mild steel 209m 1d | M | 5 | 820 | 4,100 |
| **D2** | Installation of casing and screens, UPVC 160MM OD, including centralizers and bottom cups | M | 80 | 1,000 | 80,000 |
| **D3** | Installation of Gravel backfill | M3 | 10 | 800 | 80,000 |
| **D4** | Installation of Gravel pack | Sum | - | 43,000 | 43,000 |
| **E** | Development and Testing Pumping |  |  |  |  |
| **E1** | Well development and airlifting (6hrs) | Hr | 6 | 7,600 | 45,600 |
| **E4** | Constant discharge test 24hrs | Hr | 24 | 3,800 | 91,000 |
| **E5** | Recovery 12hrs | Hr | 12 | 1,000 | 12,000 |
| **F** | **Well Completion** |  |  |  |  |
| **F1** | Well disinfections, Quality analysis report and Borehole completion report | Item | Sum | 15,000 | 15,000 |
| **F2** | Borehole cover | No. | 1 | 10,000 | 10,000 |
| **F3** | Slab 1m× 1m × 2ft | No. | 1 | 15,800 | 15,800 |
|  | **TOTAL** |  |  |  | **1,883,500** |
|  |  |  |  |  |  |
|  | 1 Solar pump, pipes and fitting |  |  |  | **688,000** |
|  | GRAND TOTAL |  |  |  | **2,571,500** |