**Technical Specifications**

**Satellite Office for staff**

1. Location:

Blue Nile state – Wd Elmahi locality – Jebel El-nour

1. Type of construction:

Prefabricated cabins using steel frames and aluminum Materials

1. Dimensions:

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Cabin | Dimension (m) | Quantity |
| 1 | Cabin for Females and Males | (6 L x 3 W x 2.8 H) m | 2 |
| 2 | Store | (4 L x 2 W x 2.8 H) m | 1 |
| 3 | Slab Concrete Base (for  Male and Females Cabin) | (6.5L x 3.5 W x 0.15 H) m | 1 |
| 4 | Slab Concrete Base (Store) | (4.5L x 2.5W x 0.15 H) m |  |

Note: *attached drawing plan for the satellite office*

*Attached BoQ of concrete base for prefab rooms*

1. Technical Specifications:
2. Cabin rooms has 2 windows per room
3. Cabin wall panels protected against fire using fireproofing measures
4. Cabin wall insulated against Humidity and high temperatures.
5. Full lightning side and outside for all rooms.
6. False ceiling for the roof.
7. The concrete slab base work includes removal & replacement of top layer (0.3 m) Hight with 0.5 m Hight subbase (selected Material)
8. The concrete slab mix is 1:2:4 Grade 20 MPA reinforced with 12 mm diameter steel
9. Solar System

The solar system sizing to be calculated based on the following item:-

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Item | no | Hours |
| 1 | CFL and LED Bulbs | 15 | 8 |
| 2 | laptop and mobile phones rechargers | 5 | 4 |
| 4 | Router + modem + satellite for internet connection | 1 | 8 |

1. Annex

Concrete Slab base for prefab rooms for Jebel El-nour satellite office

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ITEM** | **DESCRIPTION** | **QTY** | **UNIT** | **Unit Cost (SDG)** | **Total Cost (SDG)** |
|  |  |  |  |  |  |
| 1 | Excavation pit of foundation for 6x3 m2 prefab rooms by Depth 0.3 m and remove of excavated soil away from the side | 13.65 | m3 |  |  |
|  |  |  |  |  |  |
| 2 | Excavation pit of foundation for 4x2 m2 prefab rooms by Depth 0.3 m | 5.9625 | m3 |  |  |
|  |  |  |  |  |  |
| 3 | Supply Subbase material and lay it down in the pits with good compaction every 0.2 m | 42.6 | m2 |  |  |
|  |  |  |  |  |  |
| 4 | Mix and place Normal: class 20 vibrated (1:2:4) in base slab for 2 ( 6.3x6.2) rooms and (4.3x2.3) 1 room ,150mm thickness with Supply and fix bars high yield steel & mild steel; cold worked B:S 4461 including bends, hooks, tying wire, spacer blocks and spacers in position (12mm diameter Y- bars in pit latrine slab (0.62Kg/m)), reinforcement with Ø12 mm @ 150mm c/c. | 8 | m3 |  |  |
|
|  |  |  |  |  |  |
| 5 | supply and install steel pipe 4\*8 cm including fixed and fabricate plate for anchor bolt size 16 mm | 2 | NO. |  |  |
|  |  |  |  |  |  |
|  | **Total COST BILL** |  |  |  |  |