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| **ADRA Sudan with cooperation with Drinking water corporation** |
| **WES** |
| **Bill Of Quantities** |
| **Location: Madani (Abusinoon Borehole)** |
| **Installing Solar Power system of 2 Boreholes in Madani** |
| **Item** | **Description** | **Unit** | **Qty** | **Unit Price (SDG)** | **Total price SDG** |
|  | **Solar System (15 HP submersible pump) Work should include provision of materials including wires sockets and accessories, installation, and commissioning of testing as directed by the supervising engineer.** |
| **1** | *Supply and install of high performance monocrystalline solar panel, with 345 W output power. Maximum power should be equivalent to 14 KW).Price should include electrical connection and the panels' warrantee should not be less that 25 years.* | ***No*** | ***41*** |   |   |
| 2 | *Supply and connect high quality HYBRID invertor (14 Kw) with one-year warrantee* | ***No*** | ***1*** |   |   |
| 3 | *Supply and install Galvanized Steel Solar Mounting System. Panel direction can be portraited or landscape as directed by the supervising engineer with maximum wind speed resistance 60 m\h.Work should be up to the engineer satisfaction.* | ***JOB*** | ***1*** |   |   |
|   | **Total**  |  |  |   |  -  |
|   | **17% vat** |  |  |   |   |
|   | **Total without VAT**  |  |  |   |  |
|   | **Timeline for completion**  |   |   |   |  |
|   |   |   |   |   |   |
|   |  |   |   |   |   |
|   |  |   |   |   |   |
|  | **Contractor name:**  | **Date:** |  |  |  |
|  | **Tel:** | **Signature:** |  |  |  |
|  |  |  |  |  |  |
|  | **Stamp**: |  |  |  |  |
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| **ADRA Sudan with cooperation with Drinking water corporation** |
| **WES** |
| **Bill Of Quantities** |
| **Location: Madani ( Alsad Borehole)** |
| **Installing Solar Power system of 2 Boreholes in Madani** |
| **Item** | **Description** | **Unit** | **Qty** | **Unit Price (SDG)** | **Total price SDG** |
|  | **Solar System (10 HP/7.5 Kw submirsible pump)****Work should include provision of materials including wires sockets and accessories, installation, and commissioning of testing as directed by the supervising engineer.** |
| **1** | *Supply and install of high performance monocrystalline solar panner, with 345 W output power. Maximum power should be equivalent to 10 KW).Price should include electrical connection and the panels' warrantee should not be less that 25 years.* | ***No*** | ***28*** |   |   |
| 2 | *Supply and connect high quality HYBRID invertor 10 Kw with one year warrantee* | ***No*** | ***1*** |   |   |
| 3 | *Supply and install Galvanized Steel Solar Mounting System. Panel direction can be portraited or landscape as directed by the supervising engineer with maximum wind speed resistance 60 m\h.Work should be up to the engineer satisfaction.* | ***JOB*** | ***1*** |   |   |
|  | **SUB TOTAL** |  |
|  | **FENCE WORK** |
| 4 | ***Excavation:****Excavation a bit foundation for the fence angular steel studs (40×40×50 cm depth).*  | ***m*³** | ***1.3*** |  |  |
| 5 | ***Foundation:****Provided materials and construct plain concrete for the fence foundation (mixture 1:3:6) as per the job description and instruction of the Engineer.* | ***m*³** | ***1.5*** |  |  |
| 6 | ***Fence Studs:****Supply and installation 3" heavy duty angle steel @ 2 m c/c considering proper alignment and top level (16). Angels height should be 2.2 m above GL and 50 cm under GL including fixing of 30 cm support bracing at the base inside concert.Corner Studs should be installed and fixed with 1.5 m side supporters from the same angle* | ***No*** | ***22*** |  |  |
| 7 | ***Steel mesh:****Supply and install 3 mm anti corrosion wire mesh with maximum opening 5 cm.Height should be up to 2 m supported with 5 lines of 8 mm textured steel bars fixed at the steel angles pipes @ interval of 50 cm, to support the wire mesh as per job specification and instructions of the Engineer.* | ***m*²** | ***86*** |  |  |
| 8 | ***Main gate:****Supply and install fabricated Main gate for the solar system 3×2 m. Gate leaves should be fabricated of 40×80×1.1 mm steel pipes.Work should include construction of 60×60 cm pillars with red pricks and c/s mortar up to the specified height and as per specifications and the Engineer instructions.* | ***No*** | ***1*** |  |  |
|  | **SUB TOTAL** |  |
|   | **Grand Total** |  -  |
|   | **17% vat** |   |
|   | **Total with VAT**  |  |
|   | **Timeline for completion**  |    |
|   |  |   |   |   |   |
|  | **Contractor name:**  | **Date:** |  |  |  |
|  | **Tel:** | **Signature:** |  |  |  |
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