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| **S/No** | **Item description** | **Minimum Acceptable Specifications** | **Quantity** | **UoM** | **Sample Picture**  (Only for demonstration purposes) |
| 1 | Delivery and Installation of Fabricated Non-Standard Tower | Tower design specs:  Fabricated self-supporting non-standard galvanized Lattice Mast made from Galvanized hollow steel pipes.   * Structure: 3-legged with bolted joints * All material is high tensile (tube, rods) * Easy Installation. * Mast height (H) =15m self-supporting Lattice * Tower underground depth: = 1m * Galvanized steel pipe size = 2-inch * Lattice Spacing = 2ft * Cross-bracing (Y12 steel rod) = 2ft * Horizontal bracing (Y12 steel rod) = 2ft   **Other Requirements:**   * A mandatory site visit is planned for 11.08.2022 starting, Vendors are to call cell phone number - 09010660654 to confirm their participation * Proposed completion: time 10 days for both locations i.e. Ukende and Adagom 3 settlement. * Thunder arrestor(s) to be installed on each mast. | 2 | Item |  |
| 2. | Thunder Arrestor plus accessories | **Thunder Arrestor plus accessories:**   * Thunder Arrestor * High Quality Arrestor Earth Ground Rod (4ft/14mm) * Copper Clamp * 20mm Copper earth tape   + - * Proposed delivery & installation time: 10 days       * Delivery Location: Ukende and Adagom 3 settlement.       * Other requirements: Earthing works.   **Note:** All other necessary installation and construction materials such as sand gravel, cement, should be estimated during the survey and incorporated in the quotation submitted to UNHCR. | 5  5  5  100 | Pcs  Pcs  Pcs  Meters | Copper Thunder Arrestor.  Lightening Arrester Earth Rod - 4ft-copper.  Copper Earth Clamp.  Inserting image... |
| 3. | Fabricated 2-Layer Battery Rack | **2-Layer Steel Battery Racks**   * Type of Rails: “G”- Galvanised; Dimensions: * Assembled unit: L X B X H = 60cm X 53cm X 78.6cm; * No. of steps or tiers: 2; * Cell Dimension: For battery depth not less than 8.5”; * Angle size: Not less than 20x20x3mm * Base material for each stance: MDF Hard Board. * **Installation of a solar system at 4 sites. (*Each of the solar systems will consist of 4 Solar panels, inverter and two (2) batteries, which will be provided by UNHCR.)*** * Proposed completion time for delivery and installation time: 7 days. * Delivery location for rack(s) and solar system Installation locations (5 sites):  1. Ukende Settlement, Cross River State 2. Ikyogen settlement, Benue State. 3. Adagom 1 Settlement, Cross River state. 4. Adagom 3Settlement, Cross River State 5. Health Centre Adagom (Connectivity Centre), Cross River state. | 5  Item | Pcs  Item | Battery Rack for 4 of 200amps Battery | Konga Online Shopping |
| 4. | VSAT Dish Stand | **Galvanized pipe**  **Height = 2m above surface, 1m underground.**  **Diameter = 2.5 inches, casted 0.5m underground**   * **Proposed delivery time: 3 days** * **Delivery and installation location (1 site): Ikyogen Settlement, Benue state.** | 1 | Item |  |

**Summary Guide to installation requirements per site:**

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| **Site Location** | **Required Services per services per site** |
| 1. Ukende Settlement, Cross River State | * Non-standard mast including all accessories and earthing * Solar System installation. * Earthing works |
| 1. Adagom 3 Settlement, Cross River State | * Non-standard mast including all accessories and earthing * Solar System installation. * Earthing works |
| 1. Ikyogen, Benue State | * Solar System Installation * VSAT Stand * Earthing works |
| 1. Adagom 1 | * Solar System installation * Earthing works |
| 1. Health Centre (Connectivity Centre), Adagom, Cross River State | * Solar System * Earthing works |