Proposed Supply and Installation of Low-Cost Prefabs as Police Accommodation at Chaman Housing Scheme, Quetta

SPECIFICATIONS

The approximated area of construction of the proposed prefabs is 3,439 sft as per the attached floor layout. Prospective bidders/contractors to submit detailed drawings complete with 3Ds and specifications as per the attached photo and floor layout.

Prefabication of Compound:

- **Foundations/Civil works**: Excavation of pits size 1’x1’x 2’ for metal columns. Backfilling of the existing pits with soil up to 2 feet depth (10 number of pits size 16ft x 12ft).
- **Metal columns**: square metal tubes size 2"x2"x3mm welded on floor frame/decking and casted in grounding using concrete ratio 1:2:4 and spaced at 9 feet c/c. The cost includes painting of the metal tubes.
- **Floor/Decking**: Floor frames made of square metal spaced at 2ft x 2ft square x 3mm thickness welded and painted. The frame shall be suspended at 150mm high from ground level and welded on metal columns. 30mm thickness marine boards fixed on the metal frame by screwing and 30mm block boards fixed on marine boards by screwing. Floor finish: Fix PVC/Vinyl carpet on block boards using appropriate adhesive material.
- **Prefab walls**: with 50mm thick EPS panels with inner and outer 0.45mm ± 0.05mm Pre-Painted Formed steel sheet with thermal insulating core of polystyrene 14-16kg/m³. Complete Lightweight galvanized steel columns with bracing, Insulated, lightweight sheet cover and painted.
- **Prefab Roof**: with 50mm thick with top 0.45mm ± 0.05mm G30 Pre-Painted Corrugated steel sheet and bottom 0.45mm ± 0.05mm Pre-Painted Formed steel sheet with thermal insulating core of polystyrene 14-16kg/m³
- **False Ceiling**: Use of 7mm thick gypsum boards false ceiling, with 80mm layer of glass wool insulation material and lightweight steel profiles ceiling structure
- **Prefab Doors**: 50mm thick Prefab Doors (sizes: 3’-3” x 7’) of the same material used in walls.
- **Aluminum Windows**: 1.2mm thick Aluminum Windows with 5mm thick clear glass with mosquito net. Size 4’ x 4’, number as per the floor layout
- **Aluminum Ventilators**: 1.2mm thick Aluminum Vents with 5mm thick clear glass size: 2’x1.5’, number as per the floor layout
- **Electrical Works**: Three phase electrical wiring as per the following:
  i. **Duct Wiring 3/29 for Lights & Fans** (FAST Cable or Equivalent)
ANNEX B

i. Duct Wiring 7/29 for Power Plugs (FAST Cable or Equivalent)
ii. 4” SMD Lights (Osaka or equivalent) 60 Nos. maximum
iii. Light Plugs (China make) 15 Nos.
iv. Power Plugs (China make) 11 Nos.
v. PVC Distribution Board for 7-8 breakers (Pak make) 01 Nos.

• Repair and renovation of the existing 4 toilets: (removing old accessories, installing plumbing works, tiles work, WC/washbasin, lights, fiber tank, electric water motor and 3” concrete roof screeding. (Contractor to visit the site before bidding)

Preferred Low-cost simple Prefab