



TRANSMISSION BUSINESS GROUP

SUBCONTRACTS MANAGEMENT

Doc. No. TBSM/Std-Spec/Cov-Str/01

Rev. 01

SPECIFICATIONS OF COVERED STORE FOR SWITCHYARD

1. The stores shall have a tubular truss of span 10 M. at an interval of 5 M. The length of the store shall be 20/15/10 Mtrs. Depending on the scope of work. The truss material shall be procured from reputed manufactures conforming to the requirement of IS:1161-1979 and as approved by Engineer-in-charge. The specific technical requirement for the execution of work shall be as per latest CPWD/IS specifications. The rate shall include the cost of labour and materials involved in all the operations including one coat of approved steel primer i.e. redoxide zinc chrome primer conforming to IS 2074: 1979.
2. Roof shall be made with AC (Assbestos Cement) corrugated sheets fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers. The materials shall be procured from reputed manufacturing and as approved by Engineering Incharge. The roof shall be made with proper arrangements to prevent water leakage.
3. Bottom of the truss shall be 4.5 Mtrs. Above floor level. Sidewalls shall be brick work (1:6) for the bottom 1.5 Mtrs. Level and balance with AC Corrugated sheets.
4. The floor of the store shall be made with 75 mm PCC (1:4:8) over hard compacted ground/surface. If the ground/Surface. If the ground available at site is not hard enough, 150 mm thick boulder soling or some other suitable alternative arrangement as directed by Engineering Incharge shall be done before PCC work.
5. The store shall be provided with a 4 M wide lockable rolling shutter with all accessories as required. The material used for rolling shutter shall be procured from reputed manufacturer and as approved by Engineering Incharge.
6. Adequate no. of fire extinguishers (min. 4 Nos. Co₂ and 2 nos. foam type) and sand & water buckets shall be provided in the store area.
7. These specifications shall be read in conjunction with drawing no. TBSM/TRUSS/01 Rev.01 enclosed with the tender.
8. An office size 7500x5000x3000 (height of false ceiling) shall be constructed inside covered store as shown in the drg. Partitions shall be of half brick upto 1500 & then wooden Board/ Wooden panel shall be provided. Details of wooden doors & windows are also shown in the drg. False ceiling shall be of wooden board supported with suitable steel structure.



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- 9, Flooring of office area shall be IPS 50 mm thick (in cement concrete 1:2:4) laid over a base course of 10 mm thick lean concrete 1:5:10 placed over 200 thick of boulder soling over well compacted earth.
10. Water supply, sanitary & sewage – Office toilet must have one wash basin, WC, top mirror, towel rail, supported with water supply through sintex, 1000 O/H tank, pantry with SS sink & a slab. Suitable piping , septic tank for disposal of waste/water shall be provided.
11. A) **Electrical Fittings (Office)** - Contractor shall have to supply & fit good quality electrical fitting including 4-5 lights and 2 fans. The cables/wires, MCB, Switches, fittings, gadgets shall be of ISI mark and to be approved by site Incharge. Provision of sockets for 2 nos. A/C. shall also be made.
B) **Covered Store** – Contractor to provide six lights with fittings including necessary wiring & switches etc.



TRANSMISSION BUSINESS GROUP (Subcontracts Management)

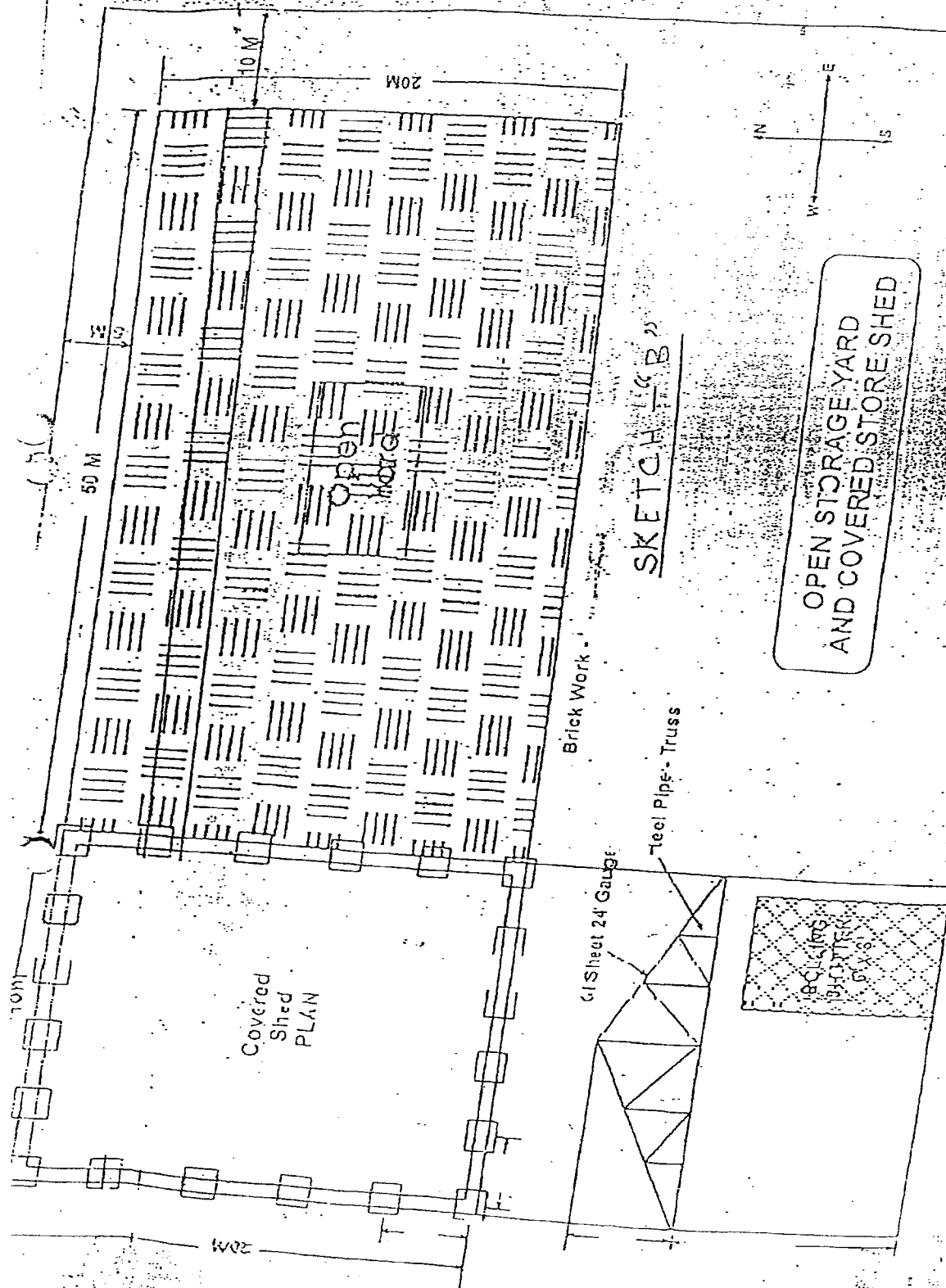
Doc. No. TBSM/Std-Spec/Open-Str/02

Rev. 00

SPECIFICATIONS OF OPEN STORE FOR SWITCHYARD

1. Area around the open stores to be surrounded with barbed wire fencing- 1.8 M high above ground level with 8 strands of horizontal and two diagonal barbed wires. The posts shall be of medium M.S. tubes of 50mm dia/ angle 50x50x6 conforming to IS: 1161/IS 806. A M.S. base plate of size 160x160x6mm thick shall be welded with the tubular posts. All posts shall be 3.0m apart and shall be set in 1:2:4 PCC block of 0.40x0.40x0.6m depth. 75mm thick plain cement concrete 1:4:8 shall be provided below concrete block. The material shall be procured from reputed manufacture and as approved by Engineering Incharge.
2. One wide gate (5m.) for trucks / trailers and one wicket gate for personnel to be installed. The gate shall be of pipe framework with suitable stiffness, with weld mesh and with locking arrangement. The materials shall be procured from reputed manufacturer and as approved by Engineering Incharge.
3. One security cabin shall be provided inside the fence adjacent to the gate. The cabin shall be of size 2.0m x 2.0m.
4. The area of the open stores shall be raised 150mm above the surrounding ground level with brick soling / boulder soling or some other suitable inexpensive alternative arrangement & is to be compacted properly to prevent water logging and flow of water from surrounding area in to this area.
5. The area shall be adequately illuminated for clear visibility at night.

→ Sh. Sahgal Sir
HEAD, TENS-I



SKETCH "B"

OPEN STORAGE YARD
AND COVERED STORE SHED

TEMPORARY SHED

220/132/33KV S/S