

SECTION - 3

ENCLOSURES TO THE SPECIFICATION Customer's Specification

CLAUSE NO.	TECHNICAL REQUIREMENTS				
7.05.00	All steel work used in construction of gantry structure should be galvanized and minimum section thickness should not be less than 4 mm. Weight of zinc coating shall be at least 0.610 kg/m2 and foundation bolts shall have heavier zinc coating at least 0.80 kg/m2.				
7.06.00	The cable trenches specifications shall be as specified elsewhere in the specification.				
7.07.00	SWITCHYARD SURFACING: Entire area of the switchyard shall be provided with 150 mm thick gravel filling which shall consist of 75 mm thick stone metal filling of 40 mm stone aggregate on the top and 75 mm thick filling of 20 mm stone aggregate below. Each layer shall be compacted by using 1/2 tonne roller with 4-5 passes and suitable water sprinkling. Before laying the gravel fill, the top layer of the soil shall be treated for anti-weed considering the types of weeds found in the vicinity. The anti-weed/soil sterilization chemical shall be procured from reputed manufacturer. The Bidder shall submit necessary details pertaining to the types of weeds found in the vicinity, anti-weed/soil sterilization such as manufacturer's name, their specification, test certificate, etc., for Employer's approval. Any modification, if required in the proposed anti-weed treatment chemicals, shall have to be done by the Bidder at no extra cost to the Employer. The Bidder shall be required to furnish a performance guarantee of three years for the anti-weed treatment. This guarantee shall commence from the date of completion of work or date of handing over, whichever is later.				
7.08.00	SWITCHYARD FENCING AND GATE Chain link fence and fixing detail including materials, all quality control tests and checks etc. for the work shall be as per IS:2721. The fence shall comprise of PVC coated G.I. chain link fencing of minimum 4 mm dia wire including PVC coating and with 2.5 mm dia GI bare wire with mesh size of 75X75 mm and of a height 2.5 m above the toe wall with a 600 mm high galvanised concertina at the top, such that total fence height of 3.1m above toe wall level is achieved. Toe wall shall be minimum 200 mm above the formation level/natural ground level (NGL). The PVC coated chain link wire mesh will be stretched and attached by clips at 0.5 m intervals to 3 strands of High Tensile Spring Steel (HTSS) wire of 4 mm dia interwoven in chain link wire mesh and kept under tension which in turn are attached to the fence post with security nuts and bolts. On every fourth post a clamping strip will be threaded through the links of chain link and bolted to the fence post with the help of security nuts and bolts. All nuts, fasteners, bolts, clamping strips, clamps, clips, etc. shall be galvanised. Above the chain link fence a 600 mm High Tensile Serrated Wire (HTSW) galvanised Concertina shall be provided at a maximum spiral pitch of 300mm and attached to 3 strands of HTSS wire by means of 'C' clips at 1 m intervals. The 3 HTSS wire strands will be attached to angle iron posts with 1/2" security fasteners. All bolts provided in the fence work shall be minimum 12 mm diameter. Length of all bolts shall be such that after fixing in position it shall have at least 12 mm projected				
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