

4	Civil Works	<p>1. Painting :</p> <ul style="list-style-type: none"> i) Specific paint requirements mentioned against corresponding plant & equipment shall be used. Items for which specific paint requirement are not prescribed shall be as per following details. ii) Concrete/Masonry: <ul style="list-style-type: none"> ○ All painting on masonry or concrete surface shall preferably be applied by roller. If applied by brush, then to be finished off with roller. Minimum two finishing coats of paint shall be applied over a coat of primer. Colour shade to be approved by NTPC. ○ For painting on concrete, masonry, and plastered & surface, IS: 2395 shall be followed. ○ For painting on woodwork IS: 2338 shall be followed. ○ Paint shall be of NTPC approved colour and shade. iii) Steel surfaces not embedded in concrete: <ul style="list-style-type: none"> ○ All steel surfaces shall be provided with two component moisture curing zinc (ethyl) silicate primer coat (having minimum 80% of metallic Zinc content in dry film, solid by volume minimum 60% \pm2%) of minimum 70-micron DFT to be applied over blast cleaned surface. ○ Primer coat shall be followed with Intermediate coat of two component polyamide cured epoxy with MIO Content (containing lamellar MIO minimum 30% on pigment, solid by volume minimum 80% \pm2%) of minimum 100-micron DFT. ○ Intermediate coat shall be followed with the finish coat of two-pack aliphatic Isocyanate cured acrylic finish paint (solid by volume minimum 55% \pm2%) with minimum 70-micron DFT. ○ Painting on steel & ferrous metal, IS: 1477 shall be followed. ○ Paint shall be of NTPC approved colour and shade. <p>2. Plastering:</p> <ul style="list-style-type: none"> ○ External (rough) surface of walls shall be plastered with 18 mm thick cement plaster, consisting first (base) layer of 12 mm thick plaster in cement sand mortar (1:6) and second (finishing) layer of 6 mm thick plaster in cement sand mortar (1:4). ○ All plastering work shall conform to IS: 1661. <p>3. Drainage System:</p> <ul style="list-style-type: none"> i) Surface Drainage: Surface drainage system shall be designed considering the 'Heaviest rainfall in one hour in mm'. The minimum value of the surface runoff coefficient shall be taken as 0.6 in the design of the drainage system. Design shall adhere to IRC specifications and prevailing industry practices.
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