

## Schedule 1

**Technical Specification-PR no-300039641**  
**M2138830502N-TANKER 5000L TROLLEY MOUNT**

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Transformer Oil storage Tank - 5 KL

Capacity of Tank: 5 KL , Horizontal Mounting Type

Medium of storage :Transformer oil IES:296 class

Applicable Standards: BS 2594, IS 2062, IS 803, IS 2825, IS 1239 for Nozzles & Piping and any other acceptable national/international standards.

Tank Type: Horizontal mounted on trailer, made of mild steel plate as per relevant standards , cylindrical shape

Tank Duty: Transformer oil at temperature of 100 deg C and pressure upto 0.4Kg/cm<sup>2</sup> and vacuum of 10mbar.

Painting:

The internal and external surfaces to be painted will be shot or sand blasted to remove all rust and scale or foreign adhering matter or grease. All steel surfaces in contact with insulating oil will be painted with two coats of heat and oil resistant anti-corrosive paint(total DFT at least 30 microns). All steel surfaces exposed to weather will be given a primary coat of zinc chromate/phosphate, (Micaceous Iron Oxide)MIO as intermediate paint, next coat of oil and weather resistant(anticorrosive) paint of a color distinct from primary and final two coats of glossy oil and weather resistant yellow paint. The minimum thickness of outside painting of tank will be 20 microns per coat and the total thickness will be at least 100 microns.

Weight of Tank: To be indicated by the vendor without Trailer and with Trailer separately

Dimensions: The dimensions of tank shall be designed in such a way that while moving under the EHV lines it maintains safe working clearance.

Trailer : With Pneumatic Tyres, Mechanical parking brakes with Turn Table arrangement & 4 No's each screw Jacks.

#### Fittings

1. Oil lever gauge calibrated (in litres) with isolation valves.
2. Ladder: Outside and inside access ladder for tank.
3. Transparent cobalt free silica gel breather assembly.
4. Top Inspection cover: Hinged at one end fitted with rubber ring gaskets.
5. Diagonally located 40 NB SS ball Teflon seat inlet and outlet valves with blanking plates
6. 15 NB oil sampling valve with suitable adapter
7. 15 NB oil drain valve
8. One connection for filling nitrogen along with N2 Pressure gauge(least count .01) and associated valves.
9. Float valve to prevent overflow from tank.
10. Air vent with dust filter.
11. Suitable lifting lugs to lift the filled tank by Crane
12. Two lifting lugs (one on each end) to lift the filled tank by Crane
13. Four number of screw jacking pad
14. Tank overflow pipe
15. Pulling hooks at both ends

Tool Kit: Required

Inscription on Tank: "5KL Transformer Oil Storage Tank NTPC Ltd, NKSTPP"

Name Plate with details of the Oil capacity, tank weight, trailer weight, dimensions e.t.c shall be provided.

Guarantee period: 18 months from the date of supply or 12 months from the date of commissioning, whichever is earlier against manufacturing defects / poor workmanship etc.

Vendor shall submit Test certificates and the certificate of conformance from the manufacturer along with the supply.