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| **8W-DHTC : 8Wheeled Diesel Hydraulic Tower Car**  **Purpose:** Inspection and Maintenance of Railways’ OHE system. | | | | |
| \\Rd100\share\8 WHEELER OHE CAR copy.jpg | | | | |
| * Dual Power Pack * Meant for periodic inspection, patrolling and maintenance of overhead equipment on electrified broad gauge rail routes * Used to attend sites of breakdown of overhead equipment * Capable of erecting and restoration of damaged small lengths of catenary and contact wires | | | | |
| **Functionalities:**   * Drivers Cab at both ends * Staff cabins * Kitchenette * Workshop * Lifting & Swiveling Platform (Hydraulic) * Observation Dome * DG Sets * Cable Drum Mounting Brackets * OHE Mast Guides * Roof mounted pantograph for checking OHE parameters * Intercom facility between Driver cab and lifting platform | | | | |
| **Track** Data | Rail Gauge | | | 1676mm |
| Minimum Curve Radius | | | 175 mtrs |
| Maximum Gradient | | | 1 in 100 |
| **Basic Specifications** | | | | |
|  | **Gross Weight** | 62.00 tonnes | | |
| **Hauling Capacity** | Self weight of 62tonnes with 60tonnes trailing load. | | |
| Maximum Operation Speed 110 kmph | | | |
| **Car Body**  **Dimensions in mm** | Length over body  Width over body  Height from rail to top of roof: | | 8,500  3,200  4,260 | |
| **Engine** | NT 855 R 6 of Cummins; 213 kW (285HP) @ 2,100 rpm | | | |
| **Transmission** | Fully Automatic hydrodynamic transmission Type: SANCRT UP102 (with AVTEC CRT 5633) | | | |
| **Final Drive** | Axle Mounted Helical Gear Box (double reduction) | | | |
| **Axles** | Solid forged, 16 Tonne Capacity one powered Axle (powered by one power pack) and one trailing Axle in each bogie. | | | |
| **Brakes** | * Compressed air brakes with Tread brake units * Gradual application and gradual release type applied on all wheels * Pneumatically operated | | | |
| **Bogies** | Two stage helical suspension with box section fabricated frame | | | |
| **Supplied** | Above 100Nos. | | | |