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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
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| **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
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| **Track** Data | Rail Gauge | 1676mm |
| MinimumCurve 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 totop of roof:  | 8,5003,2004,260 |
| **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
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| **Bogies** | Two stage helical suspension with box section fabricated frame |
| **Supplied** | Above 100Nos. |