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| **8W-CMV : 8Wheeled Caternary Maintenance Vehicle** **Purpose:** Inspection and Maintenance of Railways’ OHE system (developed for Metro systems of India). |
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| * 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
* 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 | 1676/1435 mm |
| **Basic Specifications** |
|  | **Hauling Capacity**  | 60.4 tonnes(SG)/62.2T(BG), 60 Tonnes-hauling a trailor wagon. |
| Maximum Operation Speed 65 kmph |
| **Car Body****Dimensions in mm**  | Length over body Width over body Height from rail totop of roof:  | 21,3663,150(BG)/2900(SG)4,028 |
| **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 |
| **Customers** | a) Delhi Metro Rail Corporation (DMRC)b) Mumbai Metro One Pvt Limited (MMOPL)c) Delhi Airport Metro Express Pvt Limited (DAMEPL)d) L&T Metro Rail (Hyd.) Limitede) Ansaldo STS, Indiaf) Chennai Metro Rail Corporation (CMRL) |
| **Supplied** | Over 10 Nos.  |