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| **8W-CMV : 8Wheeled Caternary Maintenance Vehicle**  **Purpose:** Inspection and Maintenance of Railways’ OHE system (developed for Metro systems of India). | | | | | |
| D:\r&M web\Revised Website\4.maintenance vehicle\OHE\CMV\OHE-BG 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 * 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 to top of roof: | | 21,366  3,150(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.) Limited  e) Ansaldo STS, India  f) Chennai Metro Rail Corporation (CMRL) | | | |
| **Supplied** | | Over 10 Nos. | | | |