

Motive Power Directorate is engaged in designs and standards works related with diesel-electric and diesel-hydraulic locomotives. Important accomplishment ranges from Indigenisation of a large number of diesel locomotive components, establishment of special maintenance code in areas with reliability problems, evolving and adopting standards. The main activities of the directorate are as under:

- a. Design and development of diesel-electric and diesel-hydraulic locomotives, 700 HP diesel hydraulic multiple units, 700 HP & 1400 HP diesel electric multiple units, 1600 HP DEMU, BG, MG & NG rail buses, 140 ton diesel hydraulic breakdown cranes, re-railing equipments and rescue devices.
- b. Design and development of mechanical assemblies, bogies, under-gear, brake-gear, under frame and superstructure for diesel electric locomotives.
- c. Development and standardisation of locomotive systems, spares / components and sub-assemblies.
- d. Technical investigation into operational and maintenance problems of Railways.
- e. Providing technical consultancy to Railway Management and other Public Sector Undertakings in matters connected with Diesel Traction.
- f. Acquisition and assimilation of state-of-the-art technology in the field of diesel locomotives and accident management equipments, e.g. 5500/6000 HP locomotive, 140 T Break down Crane.
- g. Development and Indigenisation of locomotive equipments / spares / components.
- h. Nodal directorate for issue of speed certificates for all types of rolling stock.