

## Technical Specification of Motorized Trolley



Motorized Material Transfer Wagon/Trolley is meant for transferring material from one bay (shop) to another. Wagon/Trolley moves on Indian standard rail section grouted in ground. The motorized trolley should have following features

- Transfer Wagon/Trolley to have two drive wheels and two idler wheels. Power through both drive wheels to be separate gear boxes and electric motors. Both motors are to be synchronized through AC Variable Frequency Drive. Depending upon the load bearing capacity of transfer wagon/trolley, number of drive wheels and idler wheels to be provided.
- Radio Remote Control to be provided to move wagon/trolley to and fro.
- Spring buffers / Disc springs, Two way limit switches to be given as safety measures.
- Under voltage / over voltage protection to be provided into control panel.
- Transfer Wagon / Trolley to be equipped with Siren and Bacon Lights.
- Motorised Cable Reeling Drum to be provided for cable feeding.
- The trolley to slow down at the end of travel cycle. If trolley stops suddenly, it will produce jerk damaging itself or material, hence system to be provided so that speed can be increased at the beginning and slowed down at the end.
- One person should be able to operate either by push button, pendant or remote control