

Project 1-001 | Automated Merry Go Round System - Weighing system & loading, unloading controls

### **MGR WEIGHING SYSTEM [Merry Go Round Weighing System & Controls]**

NTPC (coal fired 8 x 250 MW Singrauli Super Thermal Power Plant by National Thermal Power Corporation India): Merry-Go-Around In-Motion weighing system, installation and commissioning, PC based automatic billing system (between Coal India and NTPC) development and installation, hopper and chute control interface with weighing computer for wagon top loading system.

This News Article covers the aspects of the wagon loading and unloading system currently in vogue in the Indian Industry and engagement of our capabilities to assist the Mines and the process plants for a seamless commercial transaction. Generally, the wagon loading systems are required in the mines and ports for loading the material into the wagons for further transportation to the process plants. Two major types of wagon loading systems are (a) Rake will be stationary and loader will be moving (b) Rake will be moving and loader will be stationary. The wagon unloading systems are required in the process plants for unloading material received from the mines / ports by the railway wagons. Two types of wagons are generally used in the Indian Industry viz. BOXN wagons and BOBRN wagons. This project discusses the different types of wagon loading systems suitable for the above and unloading systems suitable for the two types of wagons.



We had designed Track switches & Load cells that detect type of wagons, measures Tare weight and Gross Weight to calculate the material weight being transported wagon wise and regenerates commercial Invoices for the Mines to be forwarded to the process plants like the coal plant in this project.

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