



BULK MATERIAL HANDLING



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Adani-Raigarh CHP and AHP projects

Overview

The Company entered in bulk material handling in the 1980s and provides turnkey solutions from design to commissioning for industries like steel, power, oil & gas, cement, mining, metallurgy and minerals. Its offerings include conveyors, paddle feeders, hoists, and related equipment, delivering end-to-end systems for coal, iron ore, and other minerals, including conveying, crushing, and stacking for power, steel plants, fertilisers and process plant.

Bulk Material Handling systems are widely used in

- **Mining and minerals:** Handling of iron ore, bauxite, limestone, coal, etc.
- **Power plants:** Coal handling systems for thermal power stations.
- **Steel :** Raw material handling systems, slag handling system.
- **Ports and terminals:** Ship loading/unloading of coal, fertiliser, grain, etc.
- **Fertiliser :** Urea baggage handling.

Key elements of Bulk Material Handling system

- **Conveying equipment:** Belt conveyors, screw conveyors, pipe conveyor.
- **Storage solutions:** Silos, hoppers, stockyards.
- **Feeding and discharge equipment:** Feeders, stackers, reclaimers, ship loaders/unloaders.
- **Auxiliary systems:** Dust suppression, weighing, sampling, and automation.

India`s key sectors are driving new opportunities in heavy engineering solutions

From energy to transport, multiple sectors are opening new opportunities for advanced solutions



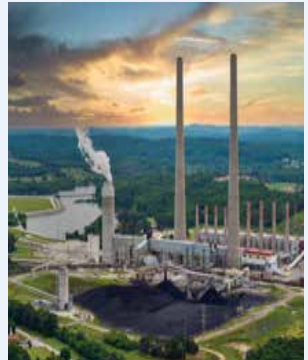
Coal handling plant

for BHEL Bangladesh Maitree



Coal handling plant

for Yadari - 5 x 800 MW



Coal handling plant

for Adani Power Raigarh



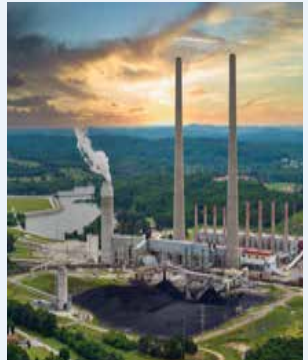
RMHS sinter & coal route

for NMDC, Nagarnar



Urea baggage handling plant

for HURL, Sindri



Coal Handling Plant

for WBPCL at Sagardighi

Project milestones

- Total 45+ projects completed valued around 1500 Crore+
- Total 20+ projects Ongoing valued around 4500 Crore+



Gear box
that enhance machinery
performance



Travelling tripper
for efficient and automated
material distribution.



Telescopic chute
for dust-free and controlled
material loading.



Overground bunker
for Pakri Barwadih mines



Rack & pinion gate
for industrial applications



Paddle feeder
for reliable material handling



Belt conveyor
for transportation across
industries



Conveyor idlers
that reduce friction and
maximize conveyor system life



Pulleys
to handle heavy loads & minimize
maintenance downtime

PRODUCT ACCESSORIES & PARTS

We offer the following Assembly Units/Accessories, including various components such as:

- Trippers
- Flap Gate
- Rod Gate
- R/P Gate
- Slew Drive Shaft
- Telescopic Chutes All Kinds
- Wheel Choker WT
- Guide Wheel Assy SAC
- Drive Shaft Assy PF, BW, WT
- Blades Paddle Wheel
- PF Drive Wheel Assy
- De System
- Drive Pinion Assy SCR
- Drive Shaft Assy SAC
- Wheel Gripper Of WT

Note: PF - Paddle Feeder, BW - Bucket Wheel, WT - Wagon Tippler, SAC - Side Arm Charger, SCR - Stacker cum Reclaimer



APRON PANS



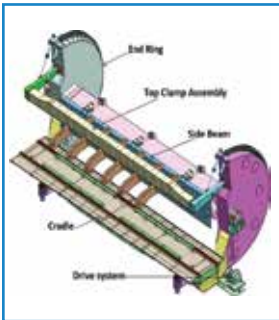
SCREW TAKE UP OF MBF



DIVERTER GATE



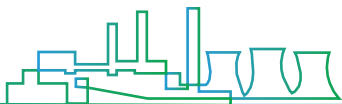
SCREW
CONVEYOR



SIDE BEAM
WAGON TIPLER



MECHANICAL VIBRATING &
RECIPROCATING FEEDER





Coal handling plant for BHEL, Yadadri, Telangana

Projects

- Coal handling plant, BIFPCL Bangladesh Maitree
- Raw material handling plant, SAIL-DSP, West Bengal
- Pet coke handling system, IOCL-Paradip, Odisha
- EPC for urea bag handling and wagon loading system, HURL-Sindri, Jharkhand and Barauni, Bihar
- Coal handling plant and Wagon tippler package NBPPL 1X500 MW Unchahar, Uttar Pradesh
- AHP and CHP, Adani Raigarh, Chhattisgarh
- Coal handling, Lime Stone and Gypsum Handling Plant, Yadadri 5x800MW power plant, TSGENCO, Telangana
- Ash handling plant package from BHEL, Yadadri, Telangana
- Coal handling plant, Ennore SEZ, Tamil Nadu
- Coal handling plant, Sagardighi, WBPDCCL (A/C BHEL), West Bengal
- Urea handling and bagging package from Talcher Fertilisers Ltd., Odisha
- Udangudi main CHP Conveyor Package, Tamil Nadu
- Main conveyor package (CHP, LHP and GHP), Talcher TPP, Stage-III, Odisha
- Coal handling plant of NTPC Lara, Chhattisgarh
- Coal handling plant, NTPC Pakri, Bihar
- Coal handling plant, NTPC Talaipalli, Chhattisgarh
- Coal handling plant, NTPC Sipat, Chhattisgarh

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