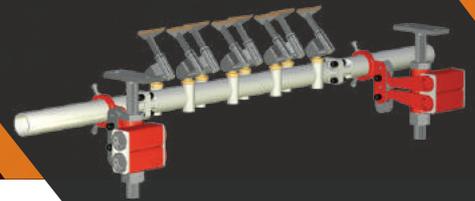


# CT

## The Metallic Head Pulley Scraper



- INDUSTRY** Tata Steel Kalinganagar (3MTPA)
- APPLICATION** 1200mm B/W conveyor belt at Blast Furnace Stock house
- PROBLEM**
  - No space to install a modern scraper under the belt.
  - The travelling tripper has belt runback which adversely affects scraper performance.
  - Overall cleaning efficiency was limited to 75% resulting in a large amount of carryback spillage.
- OBJECTIVE**
  - Reduce carryback spillage.
  - Reduction in premature wearing of idlers.
  - Minimize safety hazard during manual cleaning.

# C

THE CHANGES

### Solution Implemented

HOSCH CT2, a tungsten carbide tipped belt scraper was installed on the head pulley

### Results & Benefits

- ✓ Cleaning efficiency improved to 92% from 75%.
- ✓ Safety of working environment improved due to reduction in carryback spillage.
- ✓ Average life of return idlers improved. Replacement of worn out idlers reduced to 1-2 nos. per month from 5-6 nos. per month earlier.