



Performance promotes Satisfaction



- Plant- 12 MTPA Iron ore mines
- Application Area- Conveyor No. DPC-1 & DC-3 of 1200mm belt width

Conveyor Portfolio

DPC-1 is the receiving conveyor after the primary crusher & DC-3 is the receiving conveyor after the secondary crusher.

Concern of the customer

Both the conveyors faced severe spillage issues; 24 Tons of material was spilling from each conveyor every month. This prompted unscheduled shutdowns with engagement of manpower for cleaning, requirement of technicians for scraper adjustment & need for identification and replacement of the damaged rollers.

Solution Implemented

The technical person from Tega audited conveyor no DPC-1 and recommended use of technically advanced under the belt metallic blade C2 scrapers replacing the lower efficient scraper of another make.

Results & benefits-

The following improvements were observed after the installation of C2 scraper:

- Spillage reduced from 24 Tons/month to 3.6 Tons/month.
- The scraper efficiency improved by nearly 17%.
- Spillage cleaning frequency reduced from twice a week to once in every 3 weeks.
- Scraper adjustment frequency changed to once in every 45 days from once in every 15 days.
- The above improvements resulted into an annual savings of 2.6 lakh rupees.

Features of product-

The advanced technical features of C2 scraper resulted in a superior performance in comparison to the existing scraper. Some of the features are:

- Contact with the belt surface at positive angle in lieu of 90°
- Overlapped blade modules
- Unique axial rotation to take care of the unevenness in the belt.
- Unique spring loaded blade modules for higher contact with the belt.

Reordering of product

After the performance of C scraper in DPC-1, customer was prompted to reorder C series scraper for DC-3 conveyor, which faced similar spillage issues. After successful installation of C2 scraper in DC-3 conveyor, customer got similar results and is extremely satisfied.