

Mahindra CIE

Mahindra CIE , Rudrapur plant

CED oven running at temp. 180 degree Celsius

Application information

Innovation surface coating technology – THERMO CERAMIC COATING (TCC) was applied to internal Surface of CED oven area. The total area of CED oven & firing chamber is 4000 Sq.ft .The customer goal was to increase overall production with minimum heat loss.

TCC Benefits:

An overall improvement in Heating Efficiency with quality improvements along with Increase in Production without deteriorating Surface finish of jobs was the ultimate aim and objective of the Project. These were achieved by application of 250 micron thickness of Thermo Ceramic Coating 400 deg.c. Our Esteemed customer realized an improvement of 15% in Energy Conservation.

CED OVEN INFORMATION

Oven Type: CED oven

Fuel type: Propane

Substrate: M.S. Sheets

Operating Temp: 180 deg.c

MAJOR HIGHLIGHT OF PROJECT

Saving achieved: 15% in current fuel consumption (*Before coating: 12000 kg /per month, After TCC coating : 10200 kg/per month*)

Monetary saving: Rs.82, 000 to Rs.1, 00,000 saving per month.

Monetary saving in 5 years: Rs.49.2 lacs to Rs.60 lacs .

Co2 reduction: 324 tons of Co2 for span of 5 years

Startup time: Startup time improved by 33% (*Before coating: Start up time = 90 minutes, After TCC coating : Startup time = 60 mins*)

Production Cycle: Mahindra CIE can increase the production by 30 minutes / per day.

Before coating photographs of CED oven



After coating photographs of CED oven



Curing of sheet metal – Mahindra CIE (Red colour) at CED oven :



HAPPY CLIENTS ARE BEST CLIENTS!

Special Thanks to Mr.Arun sir and Mr.Dangi sir from Mahindra CIE, Rudrapur for support during project execution.

