

# Jindal Stainless Steel

## Pilot Project for Oxygen Enrichment in Reheating Furnaces | Hisar, Haryana | **PRACTICE**

### Description:

LSHS (low sulphur heavy stock) or LDO (light diesel oil) is used as fuel in heat treatment furnaces. An initiative to switch over from liquid fuel to gaseous fuel was undertaken to improve furnace efficiency and reduce CO<sub>2</sub> emission. Further, a trial was carried out to use oxygen enrichment in heat treatment furnace to reduce combustion air requirement, leading to minimising flue gas losses. The estimated reduction in gaseous fuel consumption is about 3%.

### Impact:

Jindal Stainless Steel invested a sum of INR1.5 crore for the pilot project and accrued the following benefits:

- 320 tonnes / annum reduction in fuel consumption
- 889 tonnes of CO<sub>2</sub> emission reductions
- INR2.29 crore of annual monetary savings