

## REFURBISHMENT, COMMISSIONING AND OPERATION OF AN INTEGRATED STEEL PLANT

We are capable of undertaking maintenance related activities encapsulating all jobs as REFURBISHMENT, COMMISSIONING, START UP AND OPERATION OF AN INTEGRATED STEEL PLANT. At present we are executing such contract wherein the salient features of the same are as follows:

- a) Mini Blast Furnaces (MBF-I and MBF – II): Each of capacities 250 cum with all integrated facilities as Pig Casting Machine, Kalugin Stoves, Dust catcher, Gas Cleaning Plant, Mud Gun-Drilling Tapping Machine, Stock House Area, Gas Holder etc



- b) Energy Optimizing Furnace of capacity 35 tons/hr equipped with all units as Bottom Car with Tapping Launder, Submerged Tuyeres, Shell, Roof, Scrap Preheater, Addition system, De-dusting system, Natural cooler, Main Fans, stack etc



- c) Ladle refining Furnace Average heat weight (liquidsteel) of approx.50t equipped with Electrode Arms, Electrodes, Water Cooled ladle Furnace roof, Compressed air and cooling water distribution system, Hydraulics, Argon system, Electrode nipping stand etc

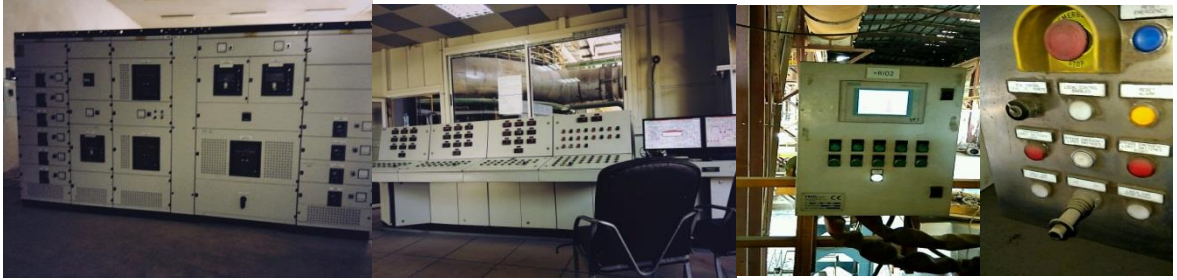


- d) Continuous Casting Machine/Area with a productivity of 42t/h, Ladle capacity of 55 ton and Tundish Working Capacity of tons

In these Areas we are doing all works of turnkey nature which includes checking of equipment, taking trial runs, replacement of defective parts/sub parts/equipment as a whole, finally making the system ready for commissioning in Mechanical, Refractory, Civil, Electrical, Instrumentation and Automation. At the same time, we are providing consultation on Turnkey Basis from Design, Engineering, Supply, Supervision of Erection and commissioning to Clients in up-gradation of new technologies as Slag granulation Plant, Steam Injection System etc in order to cut down coke rate and enhance productivity. We also suggest spare parts list for equipment in these areas to meet emergency requirements.

**In Mechanical Equipment**, we can take care of all major and minor equipment as Cranes, Hoists, Gear Boxes, Belt Conveyors, Pneumatic Conveying, Hydraulics, Compressors, Lubrication System, Utilities (Pipelines and Valves), Pipe line and Insulation Materials etc

**In Electrical and Automation areas**, we can provide all support from major System Houses as Siemens, Schneider, ABB, L&T and get the complete system refurbished from laying of cables till commissioning



We have a highly skilled group of engineers and technicians as well as experienced experts and consultants to supervise these jobs at Client's plant. In a recent contract, we have deputed 60 nos of engineers and experienced experts to take care of these activities in different areas.