

MAINTENANCE OF BOILERS AND FURNACES

Client/End User : Hellenic Petroleum s.a. _ Elefsis Refinery (Greece)

Year : 2011

Work Description :

Maintenance and maintenance works of Furnaces

- 4-H-241 Crude Oil Heater
- 100-H-01 Diesel Oil Heater
- 200-H-01 Reformer Heater
- 3-H-1A/B Air Preheater
- 3-H-101 Hot Oil Heater (Light Gas Oil)

Isolation of each furnace per chamber including all the paddle blinds and blind flanges of supply and return lines of fuel and utilities and restore upon completion of the works.

Paddle blinds (acc.API) and temporary gaskets within contractor's scope of supply.

Erection of scaffolding inside each chamber and removal upon completion of the work.

Replacement of side supports in different locations (including replacement of bolts), replacement of fire proofing material or ceramic blanket.

Mechanical cleaning of the chamber tubes and their supports and general cleaning of the chamber.

Cleaning and washing of the floor and the tubes of the convection section through water/steam/compressed air or mechanical means.

Tightening of flanges bolts.

Dismantling of the side covers and re-installation upon completion.

Opening of furnace doors and closing upon completion.

Dismantling of ignition system from wind boxes, oil burners, gas burners and installation upon completion.

Additional works in the furnace 4-H-241 :

Removal of all the side panels and front/rear panels.

Exactly measurements of the existing panels in order to fabricate new ones.

Material supply, fabrication, sand blasting, painting and erection of new panels in replacement of the existing ones.

Supply and installation of fire proofing material to the inside part of the new panels.

Replacement of elbows 3" and 4" (material alloy Pr) incl. all quality tests (X-rays-heat treatment).