



Gas Fired Power Plant Suleymaniyah (750 MW) Erbil – Kurdistan Region, Iraq

Order Description: Supervision / Commissioning

Client: ABB

Volume: 820,000 Euro

Period: 2010 – 2011

Scope of Work:

Supervision Gas Turbine:

- › Erection of Gas Turbine & Generator Type GE Frame 9E incl. components
- › Alignment of Gas Turbine & Generator incl. components
- › Stainless steel sleeve & insulation (cladding)
- › Steel structures
- › Piping
- › Equipment (cranking motor, cooling fans, CO₂ container etc.)

Supervision Piping

- › On Base Lube Oil Piping
- › On Base C&SA piping
- › On Base Fuel piping
- › On Base Atomising Air
- › On Base Fire Fighting Piping
- › On Base Air Instrumentation
- › On Base Fuel Distribution
- › Off Base Cooling Water Piping
- › Off Base Oil Waste Piping
- › Off Base Fire Protection
- › Off Base Wash Water piping (pre fab)
- › Off Base Compressed Air (pre fab)
- › Off Base Fuel Oil System (pre fab)

Overall Commissioning

- › prepare commissioning schedule and test plan

- › prepare and maintain all site operation documentation and check lists
- › supervise preparation, installation and maintenance of commissioning equipment
- › supervise integrated test during cold and hot commissioning
- › manage change requests
- › release requested modifications
- › perform claim management
- › supervise quality documentation
- › release and organize reliability run and performance test
- › perform training on the job for customer personal

Commissioning Electrical System:

- › protection relay testing by primary and/or secondary current/voltage injection for feeders, couplers, outgoing feeders, motorfeeders, transformers, soft-starters, frequency converters etc. in MV and LV switchgears
- › Interlock testing at HV, MV and LV-switchgears (electrical and mechanical) for feeders, couplers outgoing feeders, etc.
- › HV-testing for switchgears, breakers, busbars and cables
- › VT and CT testing by primary and/or secondary injection for protection relays, measurement equipment, synchronizing equipment.