



**Project Title** : **General Mechanical work in Refinery During Post Turnaround Waste Heat Boiler (WHB) Project. SAMREF Yanbu**

**Client Name & Address** : **Saudi Aramco Mobil Refinery Co. Ltd., (SAMREF)**

**Brief Description** : **Engineering / Design**

- Detail Engineering (Process validation, Mechanical, Civil/Structure, Electrical & Instrumentation) and Fire Fighting System. **(By SAMREF)**.

**Manufacturing Works:**

- No Manufacturing works.

**Mechanical Works**

- Fabrication of Piping (5300 dia inch), and blasting & painting
- Erection Piping (3500 dia inch) and Insulation & Cladding
- Erection of Duct for WHB & ID Fan (310 Ton)
- Erection of Equipment and pumps with Lube Oil skid.
- System Tie-ins (08 no's)
- 12 System Piping

**Civil & Structural Works:**

- Design & Preparation of Civil Foundation **(By SAMREF)**
- Erection of Steel structure (150 Ton)

**Instrument / Electrical Works:**

- Sub – Station # 05A Installation and, Electrical & Instruments, Control Valves, Cables, Cables trays, Conduits & JB's.
- Supply & Installation of Grounding Material
- Installation of FGS System
- Installation of HVAC unit & Ducts installation, Insulation / Cladding
- DCS/EHM Configuration, Testing, Pre-commissioning & Commissioning support

Man-hours (Direct / In Direct) : 250,000 MHRS

Contract Award Date : March 2018

Project Commencement Date : Immediate

Completion Date : February 2019