

INSTALLATION OF NEW KEROSENE PIPELINE FROM CONDENSATE UNIT TO HYDROSKIMMER UNIT 14 AT RUWAIS REFINERY

Oil & Gas



AL NASR SCOPE OF WORKS:

Al Nasr Contracting Company L.L.C shall carry out this EPC project on a turnkey basis, which involves design and engineering, procurement and supply, construction, necessary modification to the existing facilities, installation, testing, pre-commissioning, commissioning and start-up works to meet the intended project objectives.

- Construction and installation of new 10" /6" pipeline from Condensate unit 211 and 411 to Hydro skimmer unit 14..EPC contractor's scope for Tie-ins ,valve installations shall be as per the P&ID 5601-14-PP-D-00111A and P&ID 240-PP-D-00111
- The identified tie-in lines are 6" -14 -P2-11A- V and 12" -240-P204/P276-1105-IX -V. In between these tie-in points around 1400 m 6" piping needs to be supplied and installed by the EPC contractor
- Supply of all the valves, pipes , fittings and structural supports
- Supply and installation of two extra tees-off connections of 10" dia with valves for future expansion
- All associated civil works i.e. excavation and foundations

Construction

The Construction was divided in to different stages:

1. Pre-fabrication and Painting (Mussafah) consisting of:

- Pre-fabrication of pipe spools and supports as per engineering drawings
- NDT of pre-fabricated spools and supports as per the ITP and Method Statement
- Painting of spools
- Fabrication of civil foundations

Client: Takreer

Contractor: Al Nasr Contracting Co. L.L.C

Contract Period: 17/12/2014- 14/08/2015

PROJECT STATISTICS

Peak manpower	95
Man- hours accident free	72,930
Total lost time through incidents	Zero
Equipment hours accident free	18,000
Total pipeline Laid	1400 m





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2. Installation, Tie-in, Pre-Commissioning, Commissioning (RUWAIS REFINERY) consisting of:
- Scaffolding erection at plant
 - Installation of pre-fabricated spools
 - Field NDT
 - Installation of structural supports
 - Excavation and installation of pre-cast foundations
 - Hydro testing, drying and nitrogen purging
 - Weld joints and touch up painting, line marking and colour coding
 - Commissioning and dismantling of scaffolding