

INTEGRATED GAS DEVELOPMENT PROJECT AT HABSHAN 5 PROCESS PLANT

Civil: Industrial / Oil and Gas



AL NASR SCOPES OF WORKS:

The complete civil works comprising the supply and construction of gas plant units foundations, the process unit foundations, the process piping support foundations, trenches for the process piping, electrical trenches, manholes and pits for the electrical and process system, external road works (asphalt) with the complete utility system associated, along with the firefighting system are completed by ALNASR contracting.

Supply, lay, installation, fabrication and construction of:

- Gas plant unit's foundations, the process unit foundations, the process piping support foundations and all associated civil and finishing works
- Electrical / substation buildings
- Transformer buildings
- OMS buildings
- Reinforced blast proof walls
- Specialized fireproofing system for steel structure for various buildings, AGR and SRU buildings and the relevant pipe racks.
- Service network – surface water drainage system along with all relevant civil works
- Electrical services ducts, channels, culverts and relevant manholes
- Retention pond for all waste water systems
- Wet utilities holding tank, including all MEP works and finishing works
- Fully-fledged firefighting system
- Street lighting foundations
- Complete internal roads with signage, RSA reports and relevant road markings
- Concrete pavements and footpath for the all relevant buildings located in IGD plant

Client: GASCO

Contractor: Kharafi National

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

Contract Period: 01/08/2010 - 31/01/2013

Value: AED 270,000,000.00

PROJECT STATISTICS

Peak manpower	2,500
Man- hours accident free	4,000,000
Total lost time through incidents	Zero
Equipment hours accident free	1,220,000
Total concrete poured	100,000 m ³
Total roads network	10,000 m



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An approximate quantity of major works with quantities executed:

- 189,000 m³ earthworks
- 106,000 m³ transportation of excavated material
- 5,600 m² geotextile
- 3,800 m³ blinding concrete
- 82,900 m³ concrete
- 4,000 m³ precast concrete
- 15,000 m² cable protection tile
- 102,500 m² formwork
- 6,300 t reinforcing steel
- 75 t anchor bolt
- 128 t embedded steel
- 54 m³ cementitious grout
- 12 m³ epoxy grout
- 12,900 m PVC water stop
- 9,300 m² polystyrene sheet
- 46,000 m joint sealant
- 35,500 m² cold applied bituminous waterproofing
- 217,800 m² polythene sheet
- 81,400 m² self-adhesive water proofing membrane
- 2,900 m² hollow blockwork
- 1,800 m² plastering
- 836 m² internal flooring works
- 2,600 m² external flooring
- 276 m² ceramic tile for wall
- 665 m² false ceiling
- 656 m² wall partition
- 11,400 m² painting for walls and ceiling
- 1,050 m crash barrier for roads
- 18,700 m³ gravel/ crushed stone for unpaved areas
- 1,160 m³ gatch
- 1,600 m curb
- 565 road signs
- 35,000 m road marking
- 4,651 m² fence
- 92 t structural steel