



## Oman LNG Plant, Sur



## PROJECT PROFILE

### Project

6.6 Million Tons Per Annum (MTPA)  
Liquefied National Gas (LNG) Plant

### Location

Sur, Sultanate of Oman

### Owner

Oman LNG LLC

### BEC's presence at site for construction

From November 1996 to January 2000

### BEC work force at peak

2400

### HSE record for project

9.35 million man-hours without LTI  
6.25 million kilometers without LTI

### BEC's Scope of Work on EPC Basis

#### Temporary Utilities for 7,000 people

- 12 MW of Diesel Power Distribution
- 1800 M<sup>3</sup>/day of Sea Water Desalination Plant
- 1500 M<sup>3</sup>/day of Sewage Treatment Plant

#### Temporary Facilities at site

CFW camp for 400 persons including Swimming Pool, Tennis Courts, Squash Courts, Recreation Buildings, Office Complex, Distribution of Power, Water and Sewage Lines.

#### Non industrial Buildings

18 buildings on EPC basis, including Civil, Mechanical and Electrical works for Administration Building, Operation centre, Technical Centre, Warehouse etc.

### BEC's Scope of Work on Construction basis

#### Industrial Civil Works

All civil works related to Off-plot & Utilities area, including foundations for Gas Turbines, Compressors, Pumps, Static equipment, Pipe & Cable Trenches, Multi-layered Concrete Pipe Rack, Sub-station & Control Rooms.

#### Mechanical Works

All Mechanical works related to Off-plot & Utilities area, including Pipe Fabrication, Erection of Static and Rotary equipment including 4 frame - 6B Gas Turbines, BOG Compressors, EDG sets, Sea Water Intake Screens and Pumps, Warm and Cold Flares and LNG Loading Arms.

#### Electrical and Instrumentation Works

Electrical, Instrumentation, Telecommunication, Fire & Gas System for the entire plant (2 Trains, Off-plot and Utilities) consisting of 10 Sub-stations, Gas Turbine, 1240 kms of Power, Instrument and Fibre Optic Cabling, Switchgear panels, Transformers, UPS system, DCS/SGC system.

### BEC's Scope of Work on EPC Basis

Maintenance of HVAC equipment installed at OLNG plant for both process and non industrial buildings. This operation requires the equipment availability of 99% due to critical nature of process plant.

Maintenance of Civil and M&E Installations for Qalhat Housing Project for OLNG.

Specialized maintenance services to OLNG covering services like Industrial Cleaning, Heat Exchangers Repairs and support in Catalyst Handling.



Overall view of Oman LNG Plant with the Non-Industrial Buildings in the foreground



Aerial view of Oman LNG Plant



Panoramic night view of the Oman LNG Plant



100 metres & 60 metres Flare Stack



Electrical & Instrumentation works for the Process Plant.



Oman LNG Loading Arms Assembly



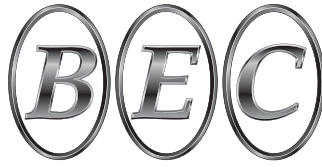
Sea Water outlet weir structure



1200 M<sup>3</sup> / day Desalination Plant



View of the Oman LNG Plant Utility Area



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Oil, Gas & Power Projects

Electro-Mechanical Services

District Cooling

Civil Construction

Electrical Projects

Facilities Management & Maintenance

Elevators & Escalators

Diesel Power Generation

Water & Waste Water Projects

Electrical Products

Mechanical Products

Chemical & Industrial Products

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