The Hasbah Offshore Gas Facilities Increment II Project is the first contract release purchase order issued to the consortium under a long term agreement with Larsen and Toubro Hydrocarbon Engineering (LTHE).

This sour field development includes six new gas production wellhead platforms that feed into two tie-in platforms as well as associated pipelines, cables and umbilicals. Gas from the field is exported via two 36-inch trunklines to the Fadhli Gas Plant located approximately 40km inland.

Hasbah Offshore Gas Facilities Increment-II

Project at a glance

The Hasbah Offshore Gas Facilities Increment II Project is the second phase of the Hasbah Offshore Gas field situated in the Arabian Gulf, and is part of Saudi Aramco’s target to supply an additional 2,500 mmscfd of clean natural gas through the Fadhili Gas Plant to meet Saudi Arabia’s growing domestic energy demand and reduce crude oil burning.

Source: Upstreamonline.com

Field Information

This development is the second phase of the Hasbah Offshore Gas field situated in the Arabian Gulf, and is part of Saudi Aramco’s target to supply an additional 2,500 mmscfd of clean natural gas through the Fadhili Gas Plant to meet Saudi Arabia’s growing domestic energy demand and reduce crude oil burning.

Source: Upstreamonline.com
<table>
<thead>
<tr>
<th>Project</th>
<th>Hasbah Offshore Gas Facilities Increment-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>The Hasbah Field is located in the Arabian Gulf, approximately 150km north east of Jubail in the Kingdom of Saudi Arabia</td>
</tr>
<tr>
<td>Water depth</td>
<td>Up to 65m</td>
</tr>
<tr>
<td>Project Type</td>
<td>EPCI</td>
</tr>
<tr>
<td>Date Awarded</td>
<td>May 2016</td>
</tr>
<tr>
<td>Completion Date</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Vessels</td>
<td>Seven Champion, various third party vessels</td>
</tr>
</tbody>
</table>

**Assets and Worksites**

- Offshore Pipelines (EPCI):
  - 36-inch x 120km carbon steel with internal fusion bonded epoxy coating and 1.9km corrosion resistant alloy
  - 36-inch x 126km carbon steel with internal fusion bonded epoxy coating and 2.8km corrosion resistant alloy
  - 8-inch x 122.2km carbon steel
  - 6-inch x 4.2km carbon steel
  - 6x 16-inch x 15.8km corrosion resistant alloy
  - Coating of offshore and onshore pipelines (All carbon steel and 16-inch corrosion resistant alloy bare line pipes are free issued by the client).

- SURF (EPIC):
  - 3x subsea cables (approx. 110km in total)
  - 6x integrated service umbilicals (approx. 20km in total).

- Structures (Transport and Installation):
  - 6x topsides (~1900t each)
  - 2x jackets (~1900t each)
  - 2x tie-in platform float over (~6700t each).

- Offshore Hook-up and Commissioning:
  - 6x wellhead platforms and two tie-in platforms (jointly executed with LTHE).

**Scope of Work**

Scope of work includes EPCI of offshore pipelines, cables, umbilicals and the transportation and installation of platforms. LTHE are responsible for EPC of the platforms and full EPC of the onshore pipelines system.

The platforms are engineered in Bangalore and fabricated at a LTHE owned fabrication yard in Sohar, Oman. The offshore hook-up and commissioning scope is completed by a team from both Subsea 7 and LTHE.

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**Collaboration**

The overall EPCI scope is executed by a Consortium between LTHE and Subsea 7.

**Community Initiatives**

As part of the contract, Subsea 7 and LTHE are committed to sustain the ARAMCO IKTVA (In Kindom Total Value Added) initiatives aimed at increasing the Saudi content of the project and development of local vendors.