



الشركة العمانية للغاز الطبيعي المسال ش.م.م.
Oman LNG LLC

Pre-Qualification Questionnaire (Part 1)

QEN-19-998: Turnaround/Shutdown Maintenance Services

GUIDELINES

Response to this questionnaire shall be completed in English by a senior member of your company.

The requirements of each question shall be addressed comprehensively, with all supporting documentation duly provided, to enable Oman LNG evaluate thoroughly against the requirements for this Service.

Tenderers shall be pre-qualified based on information submitted that demonstrate capability in the performance and management of Turnaround/Shutdown Maintenance Services in accordance with Process/Oil & Gas Industry Standards & Procedures, and standard HSE requirements.

In the event that you intend to utilise a sub-contractor for any aspect of the works, please state so clearly in your submission, and provide also such sub-contractor' submissions for any of the activities above which is to be sub-contracted. All documentation required shall be attached as specified.

All information submitted with this questionnaire shall be treated in strictest confidence by Oman LNG. Oman LNG reserves the right to verify any and all information contained in responses to this questionnaire. Oman LNG shall be advised immediately should there be any significant change in the information provided in this document. It should be noted that this document is solely for the pre-qualification evaluation of the company, for the purposes of inclusion on Oman LNG Tenderers Lists for the stipulated requirements. Submission does not guarantee that the contractor will be invited to Tender.

Contractor's submissions for Part 1 and Part 2 of the pre-qualification questionnaires shall be sent on or before **12:00 hours, on Thursday 28th February 2019** to:

OLNGSuppliersPre-Qualification@Omanlng.co.om

1. INTRODUCTION

Oman LNG LLC (hereinafter referred to as 'the Company') intends shortly to issue a tender for Turnaround/Shutdown Maintenance Services at the Company's Qalhat Plant site, located along the coastline approximately 25 km from Sur, Sultanate of Oman.

The Company produces Liquefied Natural Gas (LNG) by purifying and cooling down Natural Gas at the Qalhat Plant Complex. In addition, Company produces Natural Gas Liquids (NGL's) in small quantities as a by-product.

The main equipment consists of:

- Three 3.3 mtpa liquefaction trains each with two gas turbines. One frame 6 driving the propane and a frame 7 driving the MCR compressors with a total capacity of about 100 megawatts (MW) per train.
- A seawater cooling water system with eight pumps, each with a capacity 13,000 cubic metres per hour.
- A power plant consisting of six frame 6 gas turbine driven generators with a total of capacity about 120 MW. A new power plant with gas engine technology and capacity of 120 MW is under construction.
- Utility systems, including two instrument air and nitrogen plants with capacities of 9,500 and 400 kg per hour respectively, desalination plant for process and drinking water and sewage treatment plant.
- Two LNG storage tanks, 120,000 cubic metres each, and two NGLs tanks, 10,000 cubic metres each.

The Company requires Turnaround/Shutdown Maintenance Services for the above facilities within the Qalhat Site Complex and is looking for a Contractor with proper equipment, professional and experienced management, planning, supervisory and technical personnel to carry out the services on a continuous and/or call-off basis. The Contractor shall assist the Company in carrying out the work in a safe, professional and efficient way.

The Company wishes to pre-qualify potential Contractors capable of managing and executing this service, and hereby invites you to submit pre-qualification documentation as required. Further details are given below.

2. BRIEF DESCRIPTION OF SCOPE

The scope of work for the contract will include the provision of the following services for plant turnaround/shutdown activities:

2.1 Pre-Turnaround/Shutdowns Activities:

This includes amongst others the use of skilled and competent manpower/equipment to carry out pre-turnaround/shutdown activities i.e.:

- Prepare and plan for turnaround/shutdown services scope and work packs.
- Preliminary planning activity, resources planning and line up.
- Identifying and raising the required permits for the assigned scope
- Identifying and erecting the required scaffolding for the assigned scope and all other shutdown scope for all areas.
- Identifying and arranging all the logistical requirements like lifting requirements, temporary portacabins, temporary eating facility (shutdown tent).
- Mobilise technical workforce in large numbers on temporary base during plant turnaround/shutdowns and major overhauls.

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- Provide logistics support and heavy equipment for various turnaround/shutdown activities.

2.2 Turnaround/Shutdown Activities:

This includes amongst others the use of skilled and competent manpower/equipment to carry out Turnaround/Shutdown activities i.e.:

- Coordinate and provide support to other parties involved in the plant turnaround/shutdowns.
- Supervising and holding permits for the assigned scope

2.3 Post-Turnaround/Shutdowns Activities:

This includes amongst others the use of skilled and competent manpower/equipment to carry out post-turnaround/shutdown activities i.e.:

- Provide services of disposal of industrial waste materials/ used parts from site to proper dumping ground within O LNG site.
- Provision of scaffolding dismantling services using skilled and competent manpower/equipment.

2.4 Mechanical Activities:

This includes amongst others the use of skilled and competent manpower/equipment to carry out mechanical works i.e.:

- Different equipment e.g. flanges, piping, static and rotating equipment etc.
- Pipe work e.g. cutting and welding, hydrotesting, lifting, flange work spading, valves replacement, gasket replacement etc.
- Vessels, columns, reactors, motors, rotating equipment etc.
- Others e.g. lifting, rigging, removal and reinstallation of rotating equipment, valves, greasing etc.

2.5 Workshop Activities:

This includes amongst others the use of skilled and competent manpower/equipment to carry out workshop mechanical activities such as rotating/static equipment and valves (relief, NRV, pressure control valves) repairs, bearing replacement, welding activities, lapping, balancing, tool room keeper, machine work drilling, operating lead and milling machines, fabrication works, replacement of mechanical seals etc.

2.6 Electrical Activities:

This includes amongst others the use of skilled and competent manpower/equipment to carry out all Turnaround/Shutdown electrical scope in the plant etc.

2.7 Instrumentation Activities:

This includes amongst others the use of skilled and competent manpower/equipment to carry out:

- Scheduled turnaround/shutdown instrumentation activities in the plant.
- Calibration of the instruments.
- Cable installation in existing and new trenches
- Above ground installation on existing or new ladder rack and open tray
- Above ground installation drawn into new or existing cable trunking
- Above ground installation drawn into new or existing conduit
- Installation of ladder rack and open tray to all surface
- Installing of steel trunking to all surfaces
- Cable glands

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- Jointing of low and high voltage cables in underground trenches jointing of above ground LV Cables on ladder rack
 - Low and high voltage cable termination
 - Mounting junction box, steel plate lables

2.8 Insulation Activities:

This includes amongst others the provision of insulation materials, use of skilled and competent manpower/equipment to carry out:

- Mineral, wool and aluminised steel cladding.
- Mineral wool mattress and aluminised steel cladding.
- Preformed cellular glass and vapour barrier and stainless steel cladding.
- Mouldable cellular glass and vapour barrier and stainless steel cladding.
- Preformed Polyisocyanurate and vapour barrier and cellular barrier and vapour retardant
- mastic and stainless cladding.
- Preform Polyurethane Foam and vapour barrier and stainless steel cladding.
- Glass cloth and polyurethane foam and GRE vapour barrier and aliphatic paint.
- Fiberglass blanket and in situ puff injection and Stainless steel cladding.
- Acoustic insulation for box, equipment, valves and ducts.

2.9 Scaffolding Activities:

This includes amongst others the provision of scaffolding materials, use of skilled and competent manpower/equipment to carry out scaffolding requirements.

2.10 Painting Activities:

This includes amongst others the provision of materials, use of skilled and competent manpower/equipment to carry out surface preparation, industrial painting etc.

2.11 Lifting and Rigging Activities:

This includes amongst others the provision of equipment e.g. cranes, use of skilled and competent manpower to carry out lifting/rigging activities.

2.12 Provision of Manpower/ Equipment

This includes amongst others the ability to provide competent and skilled personnel, equipment, materials or other third party services e.g. technicians, supervisors, crane/forklift/scissor lift drivers, compressor, generator, testing services etc.

3. INFORMATION TO BE SUBMITTED

3.1 Total Manhours

3.1.1 Total Manhours of Contractor:

- State total Contractor's manhour in the last 3 years spent carrying out turnaround/shutdown services.

3.2 Technical Information

3.2.1 Capability of Contractor:

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- State which of the activities listed above you have the requisite experience and have carried out in the past.

3.2.2 Current Structure of Contractors organization listing:

- State the numbers of personnel directly employed by your organization.
- State the number of personnel and personnel working in the field that are involved in Turnaround/Shutdown work (give job description of each person).

3.2.3 Equipment and facilities

- Provide the list of specialist equipment and facilities available for the purpose of providing the activities detailed above on site e.g. Tools, pickups, trucks, tool containers with tools inside it, scaffolding materials, vacuum tankers, forklift, mobile air compressors, mobile electric generator, welding machines, cranes, hydraulic bolt tensioning and torquing machines.
- For each equipment, provide the age, manufacturer and model, also indicate whether directly owned, leased or to be provided by third party.

3.2.4 Key Personnel:

- Submit CV's of the key personnel such as proposed turnaround/shutdown manager, planner(s), QA& HSE manager as well as sample CV's of key technical personnel (please ensure that all the key disciplines necessary to deliver the above-described scope are represented). CV's shall state relevant training obtained to date by the key personnel, e.g. HSE induction, defensive driving and any other relative training with copies of the course certificates where available.
- Submit a list of your available technical personnel with names, discipline, qualification and training certificates and years of experience for each.

3.2.5 Procedures:

- Submit copies of your organisation's procedures, which shall include as a minimum the following:
 - Examples of planned methodology for turnaround/shutdown services activities covering the entire scope detailed in 2.0 above.
 - Job risk assessment or job hazard analysis for turnaround/shutdown services critical activities
 - Detailed job competency profile for technical operatives that are proposed to carry out the work, stating formal qualifications, certification, requisite training program.

3.2.6 Existence:

State below the number of years you have been established as a Turnaround/Shutdown Maintenance Service provider:

- In Oman _____ Years
- In the Middle East _____ Years
- Elsewhere _____ Years

3.2.7 Experience:

- Experience in the provision of similar services:

- Provide details of your recent experience and last 5 years' similar projects/clients which you performed. Your submission shall be tabulated as per the format in table below.

Client name & country	Description of Client's core business	Type of contract: management, lump sum, unit rates, direct hire manpower, etc.	Your involvement as main or subcontractor	Contract value (USD)	Duration of contract [start and completion date]

3.3 Registration Information

- Submit copies of commercial registration.
- Give the name of the Owner(s) and their percentage of ownership.
- Give the name(s) and position (s) of your authorized representatives.
- Address and contact persons' number
- Company profile
- Please note that if applying as a joint venture or consortium, the name of the proposed
- entity should be clearly stated and a copy of the binding document defining the stated relationship should be included in this section.

3.4 Financial Information

- Please provide the last two years audited and approved financial statement of your company and complete the information required in the table below

Year of Account	2017	2018
Current Asset		
Total Asset		
Current Liabilities		
Total Liabilities		
Inventory (Stocks) if applicable		

3.5 Health, Safety & Environment (HSE) Information

3.5.1 HSE Policy:

- What is your Company's HSE policy? If your Company's HSE policy exists as a formal document, please submit a signed copy with date mentioned on it.
- If no HSE policy exists, explain how you intend to deal with HSE-related issues.
- Submit copy of your company's organization chart for this work with HSE Positions included in it.

3.5.2 HSE Training

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- Submit Training Matrix containing list of training programs for this work and targeted attendees.
 - Submit sample records of HSE training attended by your staff and clearly indicate if these staff(s) will be working on this work/contract.

3.5.3 Safety Records

- Submit your Company's HSE Performance Reports (2 sample reports from last 2 years, either 2 monthly reports or 2 yearly reports)

3.6 Quality Assurance

- Submit one copy of the quality assurance system (e.g. ISO 9000, ISO 9001-2000) or equivalent.

Note: Failure to submit any required documents specified above (especially HSE) may result in disqualification Pre-Qualification.