



## HINDUSTAN OIL EXPLORATION COMPANY LIMITED

### Expression of Interest

For

**“Supply, Installation and Commissioning of Hot Oil Electric Heater package at HOEC PY-1 Gas Processing Terminal, Thirukkadaiyur”**

#### Introduction

Hindustan Oil Exploration Company Ltd. (HOEC) operates PY-1 field and the produced natural gas is processed at PY-1 Terminal situated at Thirukkadaiyur, Tharangambadi Taluk, Tamil Nadu. HOEC is planning to install a Hot Oil Electric Heater package with the following basic specifications as backup to the existing heating unit in Calendar Year 2011:

- 415 Volt, 3 phase, 3 Wires ( DELTA),50 Hz Electric Heater wired in 4 stages
- Based on the gas flow rate and required temperature rise, the required heater duty is 600 kW. To heat the Thermic fluid, duty is around 600 kW. U-sheathed Electric heater with shell like U-tube exchanger, Class #300
- The Electric Heater shall be located in a Hazardous Area Zone 2, Gas Group II A

HOEC invites expression of interest for the supply and / services mentioned below from Indian and International Companies for the purpose of short listing of qualified and experienced bidders for the purpose of prequalification of the Tender.

The scope of supply and services for the hot oil electric heater package, as a minimum shall include, but not necessarily be limited to the following:

#### Scope of Supply for the Packaged Equipment:

1. The Heater comprising of pressure vessel, supports, nozzles, internal and external attachments etc.
2. The electric heater, electric power terminal box, and their internal and interconnecting wiring.
3. The heater - mounted instrumentation, including thermocouple cables, instrument terminal box, and their internal and interconnecting wiring.
4. Structural steel skid with lifting lugs / trunions, etc.
5. All attachments to the vessels viz lifting lugs, insulation supports, cleats, etc and insulation as per specification.
6. All necessary instrumentation, junction boxes, cabling & controls for fully automatic monitoring & control functions of the package.
7. Cables and cable glands for instrumentation and controls within the skid limit. All cables shall be wired and terminated into a local junction box at skid edge.
8. Stainless steel name plates.
9. Earthing of all equipment / devices to a loop within the skid. Provision (earthing bosses) at diagonally opposite corners of the skid to connect to Purchaser's plant earthing system.
10. Thyristor control panel, a combined electrical and instrumentation control panel to be located in electrical substation.
11. Insulation and fire proofing
12. Start up and commissioning spares covering bought out items
13. Two year operation spares covering bought out items.
14. Special tools and tackles for erection, commissioning, operation and maintenance.
15. Painting, protective coating and preservation.

#### Services Required:

1. Inspection and testing.
2. Packing and transportation.
3. Drawings, documentation, manufacturer's data report, QA/QC procedures and Certification.
4. Erection, Commissioning, Training
5. Manuals – Erection, Commissioning, Training, O & M.

All interested bidders are requested to contact **Team Leader – Contracts and Procurement (Email: [procurement@hoec.com](mailto:procurement@hoec.com))** within fourteen (14) days from the day of Advertisement for requisition of Tenders along with the following supporting document for qualification:

1. A letter of interest; 2. Details of equipment and personnel's and availability of the same; 3. Name of the key customers for reference with contact details; 4. Past experience for the last 3-year for supply and / services; 5. HSE policies and QA / QC procedures followed by the Bidder; 6. Financial Data: Annual Audited Report, Net Worth Certificate and 7. Availability of service at the indicated time frame

All responses should be sent, so as to be received from the day of advertisement in a sealed envelope.

**Hindustan Oil Exploration Company Ltd.  
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