



**International Competitive Bidding  
Invitation to Expression of Interest for**

**Backup Link for Existing Microwave Link (Backup Link is only for SCADA Communication for PY-1 Plant)**

**Hindustan Oil Exploration Company Limited (HOEC) is Operator in Block PY-1,**

HOEC is planning to have a Back up for existing micro wave communication, in Block [Sun Platform, PY-1] during the Financial Year-2010-11. HOEC invites interested qualified and experienced bidders (Indian and International Companies) to submit bids for the Provision of services listed below:

**Supply of Services:**

**Successful installation and Commissioning of Link:**

Company wants to establish successful Backup Communication Link between Offshore Platform and onshore terminal for PLC Communication without any repeater. Aerial distance between Offshore Platform and onshore terminal is approx. 55 Kms. Company having 40 meter tower at Plant and Platform height is 25 meter above mean sea level.

Below mentioned is mandatory requirement:

- 1) All the indoor panel should have minimum protection class of IP42 or better. Vendor should provide suitable exhaust fan to panel for ventilation.
- 2) All the outdoor instruments should be suitable for electrical classification EExd,Gr IIa/IIb/IIc,T4.
- 3) All outdoor instruments should be suitable for area classification zone 1, gas group IIa/IIb,temp T4.
- 4) All third party instrument (radios) should not affect to our PLC/DCS by means of any surge voltage/current also it should not give any instruction to PLC/DCS.
- 5) All painting for out door instrument enclosure and its mounting accessories should be suitable for salt laden marine atmosphere.
- 6) Radios should able to communicate with our PLC & DCS over RS 232/RS 485, RTU Modbus communication protocol.
- 7) Contractor need to make proper mounting mechanism (Tri-Angel Stand) thru GI Pipe (with proper painting) for properly mount of Antenna at On-shore and Offshore.
- 8) At onshore Panel need to mount inside control Room.
- 9) If cable need to lay thru ground then antenna cable should be laid under ground 2 feet depth with G.I metal pipe between tower . All required Civil Work, mechanical work are responsibility of contractor.
- 10) There is not cable tray on 40 meter tower so contractor needs to arrange necessary clamps for proper routing of cable from Top of antenna to bottom.
- 11) At onshore From 40 meter Tower to Control Room Distance is approx 120 meter.
- 12) At offshore from Antenna to Instrument Room distance is approx 50 meter.
- 13) All Indoor electronics equipment required to be install inside Control Room ( At Onshore ) and Inside Instrument Room ( At Offshore)
- 14) Vendor needs to suggest required spare with price.
- 15) Vendor needs to provide required training to IT staff for trouble shooting / submit full (engineering /drawing) documents
- 16) Vendor needs to provide live demo and prove that proposed solution will work as per Company's requirement at no precondition and no additional cost.

**Power Supply:** At onshore, we have 220 V AC power and at offshore we have 24V DC power. So Contract needs to suggest equipment suitable for available input power.

During warranty period, Contractor has to provide free of cost onsite Support at all the location where equipment has install.

**Obtaining license from Ministry of Communication:**

**Following licenses approval from Ministry of communication are required for above motioned operation:**

1. Frequency Clearance. (In case backup link is working on VHF Frequency then we will require frequency clearance above 162 MHz and below 170 MHz for backup link only.)
2. SACFA Approval.

It will be contractor's responsibility to obtain above mentioned Licenses on Company's Name. Company will pay License and Royalty fees to Ministry of communication by DD after getting Principle and Agreement letter from Ministry of communication.

Contractor should have valid Dealer Possession License (DPL) issue by Ministry of Communication.

HSE: As per HOEC HSE Policy.

Vendor needs to provide live demo and prove that proposed solution will work as per Company's requirement at no precondition and no additional cost.

All interested bidders are requested to contact **Executive - Contracts and Procurement (Email: [procurement@hoec.com](mailto:procurement@hoec.com))** within Ten (10) days from the date of this advertisement for requisition of tenders along with following supporting documents for qualification:

1. A letter of interest;
2. Details of equipment, personnel and the availability of the same;
3. Details for the last 3-year of service;
4. HSE policies and QA / QC procedures followed by the bidder;
5. Availability of service at the indicated time frame;
6. Annual Audited Report, Net worth Certificate of and Annual Turn Over & Working Capital.

**Hindustan Oil Exploration Company Ltd.**

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