

**OIL INDIA LIMITED**  
**DULIAJAN**  
**CMT DEPARTMENT**  
**EMAIL ID:cmt@oilindia.in**

Ref no: CMT/EOI/01/2023

08/08/2023

**DESCRIPTION: EOI for Procurement of an IWCF Certified Classroom based Single Chair Simulator with integrated provision for Cyber Drilling & Well Control and Well Intervention Pressure Control Training.**

**1.0 PREAMBLE:**

OIL INDIA LIMITED (OIL), a Government of India Enterprise under the Ministry of Petroleum and Natural Gas, is a premier up-stream Oil Company engaged in the business of Exploration, Production & Transportation of Crude Oil & Natural Gas as well as production of LPG. Its Field Headquarters (FHQ) is located at Duliajan, District-Dibrugarh, Assam, India, and Corporate Office is in Noida, UP, India. OIL has its operating fields in upper Assam. Over the last decade, OIL has ventured into different parts of globe and currently has footprints over nine overseas countries. Its operations are largely based in the north-eastern parts of India particularly in Assam, Arunachal Pradesh, and Mizoram etc. but have also extended its activities in different parts of India and abroad.

In connection with its ongoing exploration & production activities in the State of Assam and Arunachal Pradesh fields, fulfillments of statutory compliances are also being given high priority. One such statutory compliance requirement is that all shift-in-charge and above supervisory personnel in well operations (drilling & workover and well intervention) should have valid accredited well control certificate in the appropriate level. In OIL, well control certificates accredited by IWCF (International Well Control Forum) are accepted. The certification programs are carried out ONLY at the centres which are accredited by IWCF. OIL, is also having an IWCF accredited centre, internally named as "Institute of Well Control Technology (IWCT)" which was established on 18.06.2012 at MTDC, Duliajan.

OIL intends to invite Expression of Interests (EOIs) from OEMs/Suppliers/Authorized agents (Hereafter referred to as 'Party') meeting the pre-qualification criteria as mentioned below for procurement of an IWCF Certified Classroom based Single Chair Simulator with integrated provision for Cyber Drilling & Well Control and Well Intervention Pressure Control Training at IWCT, Duliajan.

**2.0 TECHNICAL WRITE-UP ABOUT CYBER BASE FULL-SIZE RIG FLOOR SIMULATOR:**

**CYBER SIMULATOR BROAD FEATURES**

**A. FEATURES:** (Rotary Drilling)

- ✓ Large high-definition industrial LCD panels – Dual main views – Drilling & Well Control and Well Intervention Pressure Control training – Twin side screens for peripheral vision
- ✓ Supporting frameworks

- ✓ Single (driller) chair
- ✓ Ability to run multiple rig designs / drilling equipment, which means availability of option to add as many rig packages including workover as required meeting the training needs.
- ✓ Instructor station - monitoring and control
- ✓ CCTV views
- ✓ Supported flooring.
- ✓ Driller's Console with dual provision of Friction Brake & Joystick and with Data Logger and other Drilling Data Display.
- ✓ Integrate with full size Remote surface BOPs panel, Remote Choke Console, Vertical Choke Manifold with Reverse Circulation Capability, Standpipe Manifold, Cementing, Wellhead
  - Full Size Consoles
  - Digital Control Panels (large touchscreens)
- ✓ Option to integrate with a range of well control hardware/ software.
- ✓ Session recording and review
- ✓ Rig floor noises (inclusive of rig floor and other drilling operation sounds in the simulation)
- ✓ Drilling Well Control Software, which allows simulation of blowout, uncontrolled flowing well and underground blowouts.
  - Ability to configure well control exercises; well control problems; well kicks; well control method.
- ✓ Drilling Practices software
  - Ability to configure various vertical/directional drilling/tripping operations/mud systems.
- ✓ Instructional software
- ✓ Graphics Display and Plotting software.
- ✓ I/O (Input/ Output) Diagnostics software
- ✓ Ability to generate workover operations simulation.

**B. FEATURES:** (Completion and Well Intervention Pressure Control)

- ✓ To generate training scenarios for Completion operations; Completion equipment; Coiled Tubing; Snubbing; E (Electrical)-Line; Slickline

**NOTE:**

Since SPACE availability at IWCT, Duliajan is a BIG concern for us to accommodate Full Size Cyber SIM, therefore TOTAL SPACE requirement showing Length, Breadth & Height to accommodate SIM (DRILLING + WELL INTERVENTION), needs to be mentioned by the Party while submitting the EOI.

**3.0 GENERAL NOTES:**

- 3.1 The Full-Size Cyber SIM (Hereafter referred to as 'Simulator') model must be approved by IWCF for the Drilling & Well Control and Well Intervention Pressure Control training programme.
- 3.2 The Simulator should be capable of providing training exercises for well control in drilling well, with Surface BOP, with bit on or off bottom AND workover well, with Tree-in-place and BOP-in-place. Further, there should be integrated provision for training exercises in Well Intervention Pressure Control e.g., completion operations, completion equipment, Coiled Tubing operations, Wireline operations and Snubbing operations.

The Simulator should also be capable of providing training exercises in drilling/ workover/ completions/ intervention related problems other than well/pressure control.

3.3 Installation and commissioning indicating schedule of work involved of the Simulator should also be mentioned, while submitting EOI.

**4.0 PRE-QUALIFYING CRITERIA:** The party interested to participate in the EOI should fulfill the following conditions:

**4.1 Technical Criteria:** The party must have experience in supplying the above-described CYBER BASE FULL-SIZE RIG FLOOR SIMULATOR vide Point Nos. 2.0 & 3.0 during the last 05 (Five) years to be reckoned from the original EOI closing date.

**4.1.1 DOCUMENTS TO BE SUBMITTED:**

(i) The following documents shall be submitted with the EOI in support of experience:

Details of contracts executed in the last 5 years including Client contact details should be provided as per **ANNEXURE-A**.

(ii) Documentary evidence of job experience as stated above should be in the form of photocopies of Letter of Intent/Letter of Allotment/Work-order/Contract Document along with satisfactory Completion Certificate (s) or any other documents establishing the experience credentials.

Job Completion Certificate should have the following:

- a. Gross value of job done
- b. Nature of job done and Work order no./Contract no.
- c. Contract period and date of completion
- d. Any other document (s) which can substantiate the experience.

**5.0 SUBMISSION OF EOI:**

5.1 Interested parties meeting the pre-qualifying criteria as above are invited to submit their EOI at e-mail id: [trideebsaikia@oilindia.in](mailto:trideebsaikia@oilindia.in) or [Pallab\\_gogoi@oilindia.in](mailto:Pallab_gogoi@oilindia.in) latest by 25.08.2023.

5.2 The EOI should have clear indication whether the same meets the pre-qualifying criteria.

5.3 The above specifications are indicative. Interested parties meeting the pre-qualifying criteria are requested to forward their firm specifications along with the EOI.

5.4 OIL reserves the right to (a) accept or reject any/ all offers submitted by the Parties, (b) cancel the process at any time without any liability and assign any reason thereof.

5.5 OIL is neither committed nor obliged to include any party in the tender list or award any form of contract to any participant.

5.6 Failure to provide any of the listed documents or information as stated above with requisite proof (s) shall negatively affect the qualification to participate in the EOI.

**6.0** For clarifications, if any, the interested party may contact at the following email addresses:

- a. [pallab\\_gogoi@oilindia.in](mailto:pallab_gogoi@oilindia.in)
- b. [trideebsaikia@oilindia.in](mailto:trideebsaikia@oilindia.in)

**ANNEXURE-A**

**Experience Statement of the Party**

Experience of providing services as mentioned in 4.1 during the last 05 (Five) years proceeding to the original EOI closing date:

Sl. No	Contract No.	Name & contact details of client	Place of Operation	Details of Services carried out	Start date of contract	End date of contract
1						
2						
3						
4						
5						

N.B: Please add rows & extra sheets if required.

Signature & Name of personnel:

Name of the Party:

Seal of the Party

