

## IMPORTANT NOTE

BID DOCUMENT HAS BEEN DISPLAYED TO UNDERSTAND THE REQUIREMENT ONLY. PARTIES INTERESTED TO PARTICIPATE AGAINST THIS TENDER SHALL HAVE TO PURCHASE THE TENDER DOCUMENTS FROM OIL'S DESIGNATED OFFICES GIVEN BELOW:

BID DOCUMENTS (NON- TRANSFERABLE) CAN BE PURCHASED TILL ONE WEEK PRIOR TO THE RESPECTIVE BID CLOSING DATE ON PAYMENT OF TENDER FEE (NON-REFUNDABLE) OF US\$ 100.00 OR RS. 4,500.00 ( EXCEPTING PSUS AND SSI UNITS ) FROM :

HEAD - MATERIALS,  
OIL INDIA LIMITED,  
P.O. DULIAJAN,  
ASSAM - 786602

**Oil India Limited**  
**(A Govt. of India Enterprise)**  
**P.O. Duliajan – 786602, Assam**

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**Tender No. : SDG2355P12/09**

Tender Fee : INR 4,500.00 OR USD 100.00

Bid Security Amount : INR 1,12,000.00 OR USD 2,450.00  
(or equivalent amount in any currency)

**Bidding Type : SINGLE STAGE TWO BID SYSTEM**

DATE OF PRE-BID CONFERENCE : 19.07.2011

VENUE OF PRE-BID CONFERENCE : GUWAHATI, ASSAM (INDIA)

Performance Guarantee : Applicable

**OIL INDIA LIMITED** invites Global Tenders for items detailed below:

<b>Item No. / Mat. Code</b>	<b>Material Description</b>	<b>QTY.</b>	<b>UOM</b>
10	Supply, Installation / Commissioning of Portable Drilling Simulator as per the following Annexure: a) Detailed specification- Annexure I. b) Bid Rejection Criteria (BRC) and Bid Evaluation Criteria- Annexure II. c) Technical & Commercial Check list vide Annexure - III.	1	No.

Notes:

- 1.0 A Pre-Bid Conference with the Parties will be held in Guwahati (India) on 19<sup>th</sup> July, 2011 to discuss on the technical specifications and other terms and conditions of the tender. All the Parties who purchase the Tender Documents within the closing date of sale of tender will be eligible to attend the Pre-Bid Conference. The exact venue and time of the Pre-Bid conference will be intimated to the Parties at a later date.
- 2.0 Clarification on the technical specifications and other terms & conditions of the Portable Drilling Simulator shall be provided to the parties during the Pre-bid Conference. Parties should come fully prepared to the Pre-bid Conference and submit their queries to OIL in the Pre-bid Conference for clarification. The set of queries may also be sent to OIL at least 7 (seven) days before the Pre-bid Conference for study by OIL.
- 3.0 Any changes in the technical specifications and other terms & conditions of the Portable Drilling Simulator arising out of discussion in the Pre-bid Conference shall also form part of the tender document.
- 4.0 Parties, immediately after the purchase of the Tender documents, shall inform OIL at the following address about their participation in the Pre-Bid Conference with details of the persons to enable OIL to make arrangement for the Pre-Bid Conference.

HEAD – MATERIALS  
OIL INDIA LIMITED  
P.O DULIAJAN, PIN – 786 602  
DIST. DIBRUGARH (ASSAM) INDIA  
FAX NO. : 91 - 374 – 2800533  
E-Mail : [mmfd1@oilindia.in](mailto:mmfd1@oilindia.in) / [material@oilindia.in](mailto:material@oilindia.in)

**Special Notes :**

1.0 The tender will be governed by “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to “General Terms & Conditions” for e-Procurement.

2.0 Technical Check list and Commercial Check list are furnished vide Annexure – III. Please ensure that both the check lists are properly filled up and uploaded along with Technical bid.

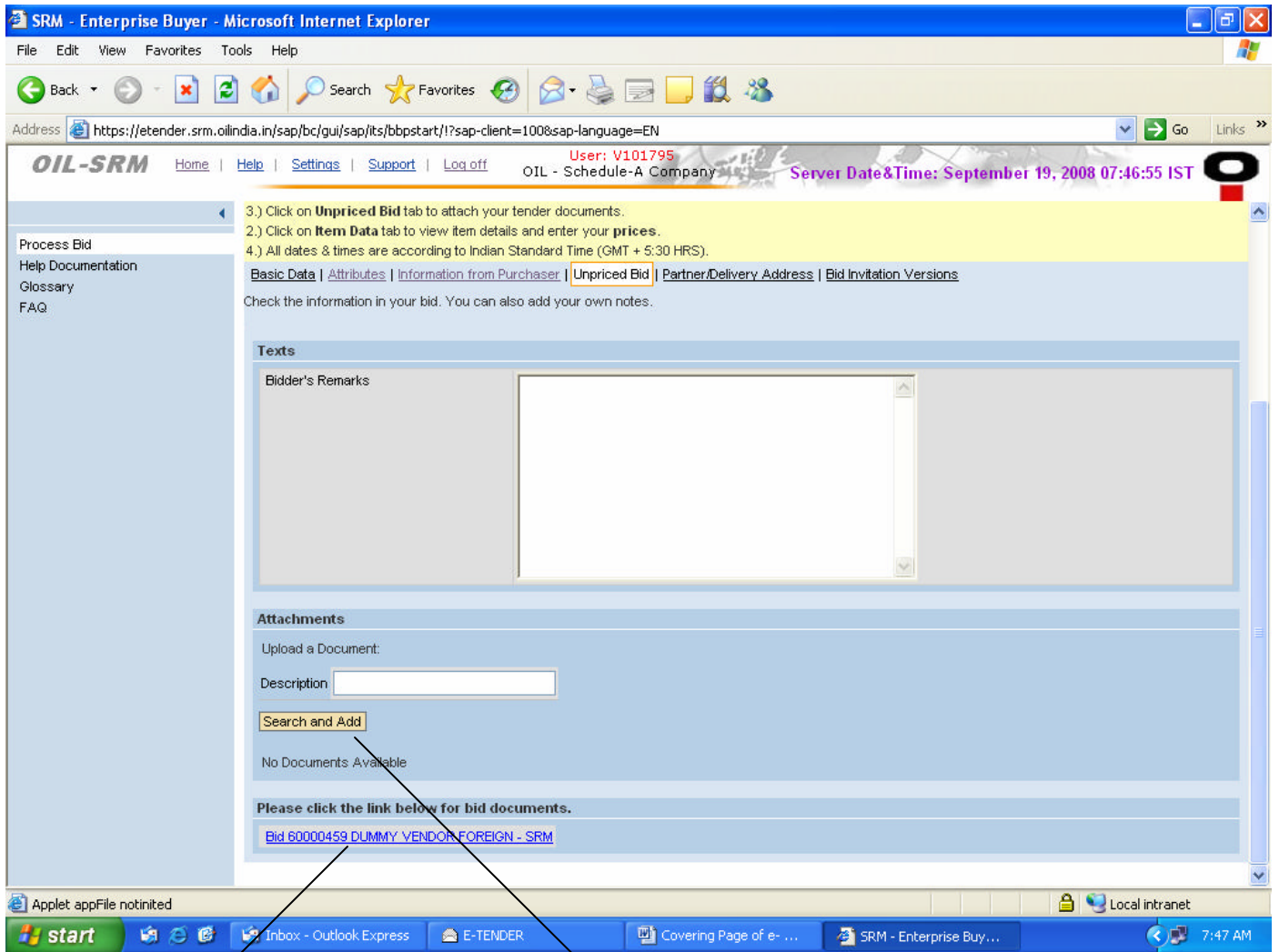
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4.0 Please note that all tender forms and supporting documents are to be submitted through OIL’s e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with tender no. and due date to The **Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.

a) **Original Bid Security.**

b) **Details Catalogue and any other document which have been specified to be submitted in original.**

5.0 The tender is invited under **SINGLE STAGE-TWO BID SYSTEM**. The bidders are required to submit both the “**TECHNICAL**” and “**COMMERCIAL**” bids through electronic form in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. Please ensure that Technical Bid / all technical related documents related to the tender are to be uploaded in the c-Folder link (collaboration link) under Un-priced Bid Tab Page only. **Please note that no price details should be uploaded as c-Folder link (collaboration link) under Un-priced Bid Tab Page. Details of prices  as per Bid format / Commercial bid can be uploaded as Attachment in the attachment link under “Unpriced Bid” under “General Data”. A screen shot in this regard is given below. Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in Annexure-II (Refer Clause 1.0 of (B) Commercial).**



**C-FOLDER LINK**

**Details of prices as per Bid format / Commercial bid can be uploaded in this Attachment**

6.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.

7.0 **The Integrity Pact is applicable against this tender** .OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure XII of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL’s competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder’s authorized signatory who sign the Bid.

OIL’s Independent External Monitors at present are as under:

(I) SHRI N. GOPALASWAMI, I.A.S ( Retd) ,  
Former Chief Election Commissioner of India  
E-mail Id : gopaldaswamin@gmail.com

(II) SHRI RAMESH CHANDRA AGARWAL , IPS( Retd)  
Former Director General of Police  
E-mail Id : rcagarwal@rediffmail.com

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**PORTABLE DRILLING SIMULATOR SPECIFICATION**

**TECHNICAL SPECIFICATION**

The drilling simulator should be designed for portability with advanced well control simulation to meet the training requirements in both onshore and offshore operational environments. The simulator should enjoy the same modeling capability as a rig floor simulator and meet all advanced well control training requirements, including deepwater well control, oil based muds, stuck pipe and jarring. The simulator should meet the functional requirements of the International Well Control Forum (IWCF) and the IADC Well CAP programme.

**STANDARD EQUIPMENT INCLUDING HARDWARE AND SOFTWARE**

The standard equipment should at least include, but not limited to, the following main components:

1. Driller's Console / Panel
2. Draw works Console / Panel
3. Remote Choke Console / Panel
4. Surface and Subsea BOP Console / Panel
5. Production Tree Console / Panel
6. Standpipe manifold and choke manifold console / panel
7. Drilling Recorder and Well Control Plotter
8. Uninterruptible Power Supply (UPS)
9. Cabling for computer and console connections
10. Transit cases
11. Separate Graphics display for the student and instructor
12. Drilling Operations Software
13. Drilling Well Control Software, including deepwater well control
14. Workover Well Control Software, including Tree-in-Place and BOP-in-Place
15. Instructional and hardware diagnostics software
16. Interactive Graphics Software

**DRILLER'S AND WORKOVER CONSOLE**

It should at least consist of, but not limited to, the following:

- 1) Pump One Control Rheostat.
- 2) Pump Two Control Rheostat.
- 3) Pump One speed Gauge: 2½ inch gauge (0 - 200 SPM), Increments of 2 SPM.
- 4) Pump Two Speed Gauge: 2½ inch gauge (0 - 200 SPM), increments of 2 SPM.
- 5) ROP Indicator: ROP from 0 – 200.
- 6) Mud/Fluid Weight Indicator to display mud/fluid weight in or out of the well: 0 - 30 PPG or 0 - 3 specific gravity, increment of 0.1 PPG or 0.01 SG.
- 7) Mud/Fluid Weight Sample Switch to select indication for mud weight in or out of the well.
- 8) Mud/Fluid Weight Select Control for selection of new mud/fluid weight in PPG or SG.
- 9) Start Weight Control to start new mud/fluid weight that has been selected on the Mud/Fluid Weight Select Control.

- 10) Start/Stop Drilling and Release Packer Control to start and stop drilling or release the production packer when in workover mode. It should preferably be two segmented lighted pushbutton.
- 11) Pit Level Deviation Gauge for dual reading (50-0-50 barrels, 8-0-8 M3), increments of 1 BBL or 0.2 M3.
- 12) High and Low Pit Level Alarm Set Controls for setting high and low alarm point for pit level.
- 13) High and Low Flow Alarm Set Control for setting high and low alarm point for return flow.
- 13) Zero Adjust for Pit Level for setting initial “zero” value for pit level.
- 14) Pit Level High Alarm Light - Red LED.
- 15) High and Low Flow Alarm Light - Red LED.
- 16) Alarm Buzzer On/Off Switch - 2 position toggle for on/off.
- 17) Alarm Buzzer - For high and low pit level and high and low return flow.
- 18) Return Flow gauge - Digital indication of return flow from the well in barrels per min., GPM, M3 per minute or liters per minute.

### **DRAWWORKS CONSOLE**

It should at least consist of, but not limited to, the following:

- 1) Hook Load Indicator - Digital reading of hook load 0-99,000 thousand pounds or 0-99 metric tons.
- 2) Weight-On-Bit Indicator (WOB) - It should be a 4 inch circular indicator with dual reading (-40 to 0 to 100 thousand pounds and -15 to 0 to 45 metric tons). It should have a vernier adjustment for zero WOB.
- 3) Rotary Torque Indicator – It should be a 2½ inch circular indicator with scale reading from 0 to 1000 amps.
- 4) Rotary Speed Indicator - It should be a 2½ inch circular indicator with scale reading from 0 to 200 RPM.
- 5) Drilling Function Control for selection of operation i.e. drilling, tripping or stripping. It should have a three position toggle switch.
- 6) Trip Tank Control to fill or jet the trip tank while tripping or stripping. It should have a three position spring action switch with center position off.
- 7) RPM Throttle for varying power to the rotary table for adjustment of the RPM. The rotation should be shown on the interactive graphics display.
- 8) Draw works Throttle for varying power to the draw works for lifting the drill string. The Pipe movement should be shown on the interactive graphics display.
- 9) Standpipe Pressure gauge - Scale range, 0-5000 psi and 0-350 bars.
- 10) Brake Lever control that functions as full size brake. The Pipe movement should be shown on the interactive graphics display.
- 11) Controls for Pipe Handling Operation - Through the use of these controls, the brake and the throttle controls on the Draw works console, the user should be able to drill ahead, pick up off bottom and trip or strip in or out of the well. The pipe handling operations should be shown on the interactive graphics display. The controls can be in the form of pushbuttons that are lighted when activated and remain lighted until function is de-activated or completed. Through this

controls / pushbuttons the user should be able to set slips, add & remove / break Kelly, add & remove / break single and make or break a connection.

### **REMOTE CHOKE CONSOLE:**

This panel/display must resemble a “Remote Choke Control” panel where the following activities can be initiated and observed: -

1. Drill pipe and Casing pressure gauges must be capable of being accurately read. For subsea BOP stack a kill Line pressure gauge next to the console must be capable of being accurately read.
2. Pump speed indicator (SPM).
3. Total stroke counter and reset switch.
4. Simulated Choke control handle.
5. Choke position indicator.

It should at least consist of, but not limited to, the following:

- 1) Drill pipe Pressure Gauge - 4 inch circular gauge with dual readings (0-5000 PSI or 0-350 BARS), increments of 100 PSI or 10 BARS.
- 2) Casing Pressure Gauge - 4 inch circular gauge with dual dual readings (0-5000 PSI or 0-350 BARS), increments of 100 PSI or 10 BARS.
- 3) Stroke Counter for displaying elapsed pump strokes. It should at least have a four digit display.
- 4) Push to Reset Stroke Counter.
- 5) Air On-Off Control similar to regular air valve. Its handle should preferably be similar to actual Swaco handle.
- 6) Choke Control Handle.
- 7) Choke Speed Control – with 270 degree movement.
- 8) Choke Position Indicator gauge – 2½ inch gauge with Open / Close position indication, having increments of 1/16”.
- 9) Pump Stroke Indicator having digital display of total SPM.
- 10) Kill Line Pressure gauge having digital display of Kill Line Pressure.

### **SURFACE BOP PANEL**

This panel/display must resemble a Surface "BOP Control Panel" where the following activities can be initiated and observed:

1. Master control (simulated ‘Push to Operate’ switch or lever).
2. Annular control (at least one Annular Preventer).
3. Ram control (at least three Rams, one of which will be a Blind or Blind/Shear type).
4. Choke and kill line valve control (at least one choke valve and one kill valve).
5. Annular pressure regulator control.
6. Air, Accumulator, Manifold and Annular pressure indicators that are integral to the system and monitor the hydraulic control unit.

It should at least consist of, but not limited to, the following:

- 1) Annular Preventer
- 2) Upper Pipe Ram (open/close)
- 3) Blind or Shear Ram (open/close)
- 4) Lower Pipe Ram (open/close)
- 5) Choke Line HCR Valve (open/close)
- 6) Kill Line HCR Valve (open/close)
- 7) Lights for open and close status for each of the above six BOP functions –Red for Close and Green for Open
- 8) Flow light with visual indication of flow through the bell nipple.
- 9) Accumulator Console with accumulator pressure gauge, air pressure gauge, annular pressure gauge, manifold pressure gauge and a provision for adjusting the annular pressure gauge.

### **SUBSEA BOP PANEL**

This panel/display must resemble a Subsea “BOP Control Panel” where the following activities can be initiated and observed (Push button type panel to mimic electric operations): -

1. Master Control (Push to operate button).
2. Annular Control with Block function (at least one Annular Preventer).
3. Ram Control (at least three rams one of which will be a Blind/Shear type) with Block function.
4. Choke and Kill Line valve control (at least one choke line and one kill line that are piped into different ram cavities). At least one choke line valve and one kill line valve with Block function.
5. Annular Regulator Pilot control.
6. Air, Accumulator, Manifold, and Annular read-back gauges that are integral to the system and monitor the hydraulic control unit.
7. Flow meter to accumulate the volume(s) used to activate functions.
8. Open, Close and Block lights to show position of function prior to block. (If the ram locking system is installed on the Subsea BOP Panel - it must be operational).

It should at least consist of, but not limited to, the following:

- 1) Flow meter for Hydraulic Fluid
- 2) Flow meter reset button
- 3) Lamp test
- 4) Upper Annular preventer, open/close lighted pushbutton
- 5) Lower Annular preventer, open/close lighted pushbutton
- 6) Upper pipe rams, open/close lighted pushbutton
- 7) Blind/Shear rams, open/close lighted pushbutton
- 8) Middle Pipe Rams, open/close lighted pushbutton
- 9) Lower Pipe rams, open/close lighted pushbutton
- 10) Kill Line with fail safe valves, open/close lighted pushbutton
- 11) Two Choke Lines with fail safe valves, open/close lighted pushbutton

- 12) Increase/Decrease controls for manifold pilot pressure and annular pilot pressure
- 13) Accumulator Console with accumulator pressure gauge, air pressure gauge, annular pressure gauge, manifold pressure gauge and a provision for adjusting the annular pressure gauge.

### **PRODUCTION TREE CONSOLE**

It should at least consist of, but not limited to, the following:

- 1) Tubing Pressure Gauge - 3½ inch circular gauge with dual reading (0-5000 PSI and 0-350 BARS) in 100 PSI and 10 BAR increments.
- 2) Casing Pressure Gauge - 3½ inch circular gauge with dual reading (0-5000 PSI and 0-350 BARS) in 100 PSI and 10 BAR increments.
- 3) Tubing Swab Valve with green/red indication for open/close.
- 4) Tubing Kill Line Valve with green/red indication for open/close.
- 5) Casing Kill Line Valve with green/red indication for open/close.
- 6) Upper Master Valve with green/red indication for open/close.
- 7) Lower Master Valve with green/red indication for open/close.
- 8) Wing Valve with green/red indication for open/close.
- 9) Surface Valve with green/red indication for open/close.
- 10) Production Choke with variable control.
- 11) Stroke Counter for digitally displaying elapsed pump strokes. It should at least have a four digit display and a provision for resetting the Stroke Counter

### **CHOKE MANIFOLD PANEL:**

It should consist of at least nine manifold valve switches. During drilling operation the user should be able to use these valves for lining up flow from the well to a choke and from a pump into the casing through the choke or kill line. During workover operation the user should be able to use these valves for lining up flow from the pump into the tubing or the annulus and take returns from the annulus or the tubing. Each valve should be equipped with a two segmented lighted pushbutton for open and close.

### **STANDPIPE MANIFOLD**

It should consist of at least five manifold valve switches. The user should be able to use these valves for lining up mud pump 1 or mud pump 2 for circulation into the well either through standpipe 1 or standpipe 2 and line up either pump for circulation into the choke manifold. Each valve should be equipped with a two segmented lighted pushbutton for open and close.

### **HARDWARE:**

1. The simulation environment must consist of at least two distinct and physically separate panels and/or graphic displays, capable of displaying the appropriate instrumentation, switches, or levers required by the Driller and/or Supervisor during each step of the IWCF Practical Assessment Exercise.
2. A panel or display is defined as a place where a person performs one or more activities in relation to a well control scenario. This will range from 'initial set-up' for drilling to the 'evacuation of the influx' as required by the IWCF Practical Assessment methodology.
3. Unless otherwise stated in this document the following rules will apply to panel components:

- 3.1. Video monitors (including touch screens) must be sufficiently large enough for the user to accurately read displayed information and function touch controls.
- 3.2. Gauges and meter displays may be of the analogue or digital meter type.
- 3.3. Analogue gauge displays must have a minimum internal diameter capable of being accurately read by the user.
- 3.4. Digital meter displays must be capable of being accurately read by the user.
- 3.5. Control switches may simulate push buttons or levers (resembling electric or air operated systems respectively).

#### 4. For Subsea BOP Stack Assessments:

- 4.1. A subsea BOP panel fitted to and interactively operational with the simulator must be used.
- 4.2. A Kill Line pressure gauge must be included in/on the simulator, capable of being read by the user while conducting the well kill operation.

### **INSTRUCTOR'S STATION**

The Instructor's Station should consist of a PC (Notebook) and the instructor interfaces with the simulator through "Windows" screens. The instructor should be able to easily view many display screens and change functions, such as exercise freeze and acceleration rate.

### **DRILLER'S STATION**

The 'Driller's Station' panel/display to be used should be able to initiate and observe the following activities (more than one panel or display can be used):-

1. Drilling ahead by use of a draw-works brake lever.
2. Hook load.
3. Weight on bit.
4. Control of mud pumps (two pumps minimum).
5. Pump speed indicator.
6. Pump pressure indicator.
7. RPM indicator and throttle control.
8. Pit deviation indicator.
9. Pit and flow alarm adjustments (high and low).
10. Return flow indicator.
11. Trip tank indicator.
12. Rate of penetration (ROP) Indicator.
13. Standpipe manifold system where valve operation is simulated. The system must be an integral part of the simulator operation. It will have, as a minimum; two pump discharge lines feeding in parallel to a standpipe manifold with a single standpipe.
14. A choke manifold system where valve operation is simulated. The system must consist of at least two chokes, out of which at least one will be operable from the "Remote Choke Control" panel/display. A vent line (also called a by-pass or bleed line) that bypasses the chokes is optional.
15. The graphics should be displayed on a 17 inch or more color LCD monitor.

## **DATA STORAGE**

The system must be capable of recording, and printing, a continuous trace of the key parameters, scaleable over time, as listed below, during the period leading up to a kick and throughout the kill operation: -

### **1. During drilling**

- 1.1. Hook load/W.O.B.
- 1.2. RPM.
- 1.3. SPM.
- 1.4. ROP.
- 1.5. Pit Gain or Loss
- 1.6. Pit Volume

### **2. During well control**

- 2.1. Bottom hole pressure.
- 2.2. Strokes or volume pumped.
- 2.3. Pore pressure/formation pressure.
- 2.4. Choke position.
- 2.5. Pit Gain or Loss
- 2.6. Pit Volume
- 2.7. SPM.
- 2.8. Drill pipe pressure.
- 2.9. Casing pressure.

3. One must be able to enter the candidate name(s) and exercise date in the Simulator prior to commencement of the exercise, and printed on the recorded plot (graph) at the end of the exercise.

4. The original printed plot (graph) must show at least three parameters, for example: the Drill pipe Pressure, Formation pressure and Bottom Hole pressure

## **GAUGES AND METERS**

Units of measurement for gauges and meters will be at the discretion of the simulator owner but must be consistent for all functions.

## **RIG FLOOR NOISES**

It is desirable, to include rig floor and other drilling operation sounds in the simulation.

## **SOFTWARE**

The system software must be capable of simulating at least, but not limited to, the following activities: -

1. Drilling ahead and drilling breaks.
2. Kicks while drilling.
3. Kicks while tripping.
4. Multiple kicks.
5. Kick warning signs including pit gain, increase in return flow, change in torque and RPM etc.
6. Wait and weight method.
7. Driller's method.
8. Volumetric method.
9. Concurrent Method.

## 10. Stripping.

10.1. The weight indicator must accurately respond to the applied friction caused by the drill string and/or tool joint passing through a closed annular or ram type preventer.

10.2. The Annular Preventer Regulating Pressure must accurately respond to pressure surges caused by a tool joint passing through a closed annular preventer.

10.3. The stripping operation must be possible over an interval not less than 500-ft (150m), either by selecting single joints or stands.

11. Tripping and trip monitoring.

12. Use of an inside BOP (non-return type valve).

13. Run exercises with vertical or deviated well geometry and reflect the changes in mud density, pressure and choke responses that occur during well control operations.

14. Bullheading.

15. Underground blowout.

16. Dynamic pressures during well control.

17. Gas expansion and migration.

18. Hole cleaning.

19. Drill string wash out.

20. Stuck pipe – Differential sticking, due to hole caving, due to key seat.

21. Reservoir drawdown and stabilization.

## **SIMULATION MODELING**

The simulator must be at least capable of modeling, but not limited to, the following problems and failures: -

1. Annular or Ram BOP Failure, while shutting in the well following a kick.
2. Determine shut in drill pipe pressure with a non-return type valve in the string.
3. Total pump failure, discontinuity of power to pump(s) in use.
4. Plugged bit nozzle, plugging of one or more nozzles.
5. Choke washout, a marked change in choke setting.
6. Plugged choke, sudden pressure increase resulting from partial plugging.
7. Failure of the casing kill line valve.
8. Drill string washout and plugging.
9. Mud cut in the drill pipe or tool joint.
10. Failure of the Subsea choke valve and kill valve.
11. Plugging and washout of the manifold valves.
12. Leak in the packer and the tubing.
13. Stuck pipe due to differential sticking and hole caving.
14. Problems associated with key seating and change in mud weight.

## **MULTI-FUNCTIONAL PANEL SWITCH/DISPLAYS**

In order to ensure that the simulators provide the appropriate information while simulating drilling and well control situations, the guidelines detailed in below will apply.

### ***Drilling activities***

#### ***With pump(s) running: -***

- 1.1. Reciprocating the drill string with kelly or top drive made up but ***without*** rotation.
- 1.2. Lowering the drill string with kelly made up and ***with*** rotation.
- 1.3. Lowering or raising the drill string with top drive made up and ***with*** rotation.
- 1.4. Drill string on bottom but ***without*** rotation.
- 1.5. Drill string on bottom and ***with*** rotation.
- 1.6. As above with ***Weight on Bit***.
- 1.7. String stationary and/or hung off on pipe rams with kelly, top drive or circulation head made up (well kill situation).

#### ***With no pump(s) running:***

- 1.8. Reciprocating the drill string ***without*** Kelly or top drive made up (Tripping phase or just prior to commencement of Tripping phase).
- 1.9. Disconnecting Kelly or top drive, making up additional single joint or stand, reconnecting Kelly or top drive (Drilling or Tripping phase).
- 1.10. Reciprocating the drill string without Kelly or top drive made up but with BOP's (usually Annular Preventer) in closed position (well kill situation).

#### ***As a minimum, the following information must be displayed during drilling activities:***

- 2.1. Hook-load.
- 2.2. Weight on Bit.
- 2.3. Pump #1 speed.
- 2.4. Pump #2 speed.
- 2.5. Pump pressure.
- 2.6. RPM.
- 2.7. Pit deviation.
- 2.8. Return flow.
- 2.9. Trip tank volume.
- 2.10. Rate of Penetration.
- 2.11. Bit depth.
- 2.12. Hole depth.

*Throttles and adjustment devices should be an integral part of the system. The table attached as Annexure-I link the respective activities with the parameters. With the activity in progress, one should be able to read the parameters as indicated, without having to use the function selector.*

## **INSTRUCTIONAL SOFTWARE**

The Instructional Software should have, but not limited to, the following features:

1. Exercise Freeze: Through this command on the instructor's station, the instructor should be able to quickly freeze the simulator exercise.
2. Exercise Save and Recall (SREX): Through this function the instructor should be able to save and recall prepared exercises for future use. The instructor should be able to create various scenarios and store them in the computer.
3. Data display and Input Command Screens: Through this feature the instructor should be able to observe the actions of the student without any interference.
4. Instructor Programmable Failures: Through this feature the instructor should be able to insert numerous system and mechanical related failures into the simulator. These failures can be immediate; time based, based on strokes, volume and drilled depth.
5. Logger: Through this feature the instructor should be able to evaluate the performance of the students during an exercise or at the completion of the exercise. The logger should record important drilling and well control parameters. The logged parameters should be displayed on plots during the course of the exercise and after the completion of the exercise. Each plot should consist of at least any three parameters, plotted against time, strokes, etc. preferably in colors.
6. Snapshots: Through this feature the instructor should be able to capture and save in a file, all the events which are occurring at a particular moment during the course of an exercise.
7. Customized Print-Outs: Through this feature the instructor should be able to select and take a print out of the logged drilling and well control parameters.
8. Performance Data Record: Through this feature the instructor should be able to store the logged information saved during an exercise in a file for later review.

## **INTERACTIVE GRAPHICS**

The graphics software supplied with the simulator should be fully interactive with the simulation program. The display portion of the graphics should show dynamically what is happening in the well and on the surface. Any changes of data in the model should be immediately reflected in the graphics display. For example, if there are three kick zones moving up the well, the interactive graphics should show these three zones moving, including migration. Both the instructor and the student should have a color display.

The interactive graphics display should include, but not limited to, the following:

1. The BOP stack, (surface or Subsea) showing the status of BOP's, standpipe and choke manifold valves, the pumps, and other important information.
2. The production tree, with or without workover manifold connected, showing status of all the valves and other important information.
3. The drilling well down hole cross section, showing the dynamic location of all formation and drilling fluids, plus formation leaks, fractures, flows and changes in fluid densities.
4. The producing well down hole cross section shows the dynamic location of all formation and workover fluids in the tubing and annulus.
5. Surface drilling operations, including pipe handling, trip tank, BOP closure, and flow indications.
6. Logged display of important drilling parameters.
7. Logged display of important tripping parameters.

## **HARDWARE DIAGNOSTIC SOFTWARE**

The internal diagnostics software should enable one to perform a full test of the various controls, gauges, lamps, and switches of the portable drilling simulator.

## **POWER SUPPLIES**

- 1) The computer and the simulator should have internal power supplies.
- 2) Simulator should be suitable for power supply of single phase 240 volts, 50 Hz AC.
- 3) Maximum power consumption of the simulator should be around one KW.

## **TRANSIT CASES**

- 1) The simulator should be suitable for airline check-in.
- 2) The simulator should be supplied along with transit cases of suitable dimensions for easy handling and transportation.

## **ANNEXURE-I**

The table below links the respective activities with the parameters. With the activity in progress, one should be able to read the parameters as indicated, without having to use the function selector. These links represent the *minimum* requirements.

	2.1	2.2	2.3*	2.4*	2.5	2.6	2.7	2.8	2.9	2.10	2.11	2.12
WITH PUMP												
1.1	x		x	x	x		x	x			x	
1.2	x		x	x	x	x	x	x			x	
1.3	x		x	x	x	x	x	x			x	
1.4		x	x	x	x		x	x				x
1.5		x	x	x	x	x	x	x		x		x
1.6		x	x	x	x	x	x	x		x		x
1.7	x		x	x	x		x	x			x	
WITHOUT PUMP												
15.8	x				x		x	x	(x)		x	
15.9	x				x		x	x	(x)		x	
15.10	x				x		x	x	(x)		x	

\* Function Selector to provide option to show cumulative SPM of pump 1 and pump 2 in parallel.

(x) If in Tripping phase.

## **ITEM NOTES FOR BIDDERS**

1. The Portable Drilling Simulator (Hereafter referred to as Simulator) model must be IWCF & IADC WellCAP compliant and approved for IWCF & IADC WellCAP accreditation and training programme.
2. The Simulator and its components shall be brand new, unused, of prime quality and free from any defects.

- 3. The bidder shall quote for all the items required for the Simulator and the same should be complete with all required hardware/computer items, necessary cables, junction boxes etc.**
- 4. The bidder shall quote separately for the installation and commissioning of the Simulator indicating the schedule of work involved.**
- 5. Any item / equipment not mentioned in the enquiry but considered to be required to install / commission and for proper & efficient working and maintenance of the Simulator shall also be quoted. These should be suitably highlighted.**
- 6. The quoted amount shall include the software license fee for at least 10 years.**
- 7. The Simulation Computer System should consist of standard industry components.**
- 8. The Simulator should be capable of providing training exercises for well control in drilling well, with Surface or Subsea BOP, with bit on or off bottom; for well control in workover well, including training exercises with Tree-in-place and BOP-in-place and training exercises in drilling related problems other than well control.**
- 9. The offered model should be well established. The bidder should forward documents to establish the satisfactory performance of similar models sold along with the quotation.**
- 10. The bidder must provide relevant documents, at the time of submitting his bid, to establish supplying of Drilling Simulators (Portable or fixed type) to at least five training centers which are accredited by IWCF to conduct "Rotary Drilling Well Control Certification Programme". Those accredited centers should be regularly conducting "Rotary Drilling Well Control Course" till date.**
- 11. The Simulator should be suitable for airline check-in and should be supplied with transit cases of suitable dimensions for easy handling and transportation.**
- 12. The Simulator is to be covered with warranty for a period of at least 12 (TWELVE) months, for both hardware and software, from the date of installation and commissioning. Defective goods / materials or parts notified by OIL to the Seller shall be replaced immediately by the Seller on F.O.R destination basis including payment of all taxes and duties at Seller's expense. This guarantee shall survive and hold good notwithstanding inspection, payment for and acceptance of the goods. The bidder should confirm the above at the time of quoting.**
- 13. The bidder should provide a list of recommended spares for 2 (TWO) years operation indicating item description, part number, quantity and price along with the quotation. The bidder should also quote for the operating spares, if any, required for regular use of the portable drilling simulator. The Prices of such spares should not change for next 2 years from the date quotation. However the price quoted for the said spares will not be considered for price bid evaluation.**
- 14. The bidder to enclose undertaking to make spares available for the Simulator model quoted for the next 5 (Five) years.**
- 15. The bidder to mention the maximum power consumption of the simulator at the time of submitting his bid.**

- 16. The bidder should quote for the following services as an optional service the cost of which will not be considered for price bid evaluation.**
- i) Hardware maintenance / repair of the portable drilling simulator, on call out basis, for a period of 5 (FIVE) years from the date of commissioning.**
  - ii) Software technical support for 10 (TEN) years from the date of commissioning.**
- 17. The bidder to provide three sets of technical literature for operation, maintenance and repair indicating all components with schematic drawings, etc. at the time of supply.**
- 18. The successful bidder will have to offer training on installation, operation and maintenance aspects of the Simulator offered at OIL's facility to 2/3 numbers of OIL's instructors during the installation and commissioning of the same.**
- 19. The successful bidder shall tie up with any IWCF accredited center to which it has supplied the offered drilling simulator model for accreditation of OIL instructors as IWCF practical assessor on chargeable basis.**
- 20. In the event of an order the supplier shall provide all the associated hardware and software for commissioning of the portable drilling simulator.**

General Notes for Bidders :-

(Bidders should confirm each & every point clearly. Deviations, if any, should be highlighted in the quotation.)

- 1.0 Bidders other than the Original Equipment Manufacturer (OEM), must enclose proper authorization certificate ( in original ) with a back up Warranty and Guarantee from the OEM to quote against this tender failing which the offer will be liable for rejection.
- 1.1 After Sales Service  
The nature of after sales service, which the supplier can provide during initial commissioning and also subsequently, should be clearly stated.
- 2.0 Installation & Commissioning :
- 2.1 The successful bidder will be required to install and commission the unit by their competent service engineer at site.
- 2.2 Installation/ Commissioning charges must be quoted separately on lumpsum basis which shall be considered for evaluation of the offers. Total Nos. of days required for commissioning shall also be clearly indicated by the bidders.
- 2.3 Commissioning shall be completed within 1 (one) month from receipt of all the items at site at Duliajan.
- 3.0 Training at Duliajan, Assam:  
The successful bidder will have to offer training on installation, operation and maintenance aspects of the Simulator offered at OIL's facility to 2/3 numbers of OIL's instructors during the installation and commissioning of the same.  
Training charges, if any, must be quoted separately on lumpsum basis which shall be considered for evaluation of the offers.

- 4.0 While quoting Installation/Commissioning charges and Training charges above, bidder should take into account all charges including to and fro fares, boarding/lodging, local transport at Duliajan, Assam and other expenses of supplier's personnel during their stay at Duliajan. OIL may provide accommodation on Chargeable basis subject to availability. Bidder should confirm about providing all these services in their Bid. However, OIL reserves the right to avail such services at its own discretion. Bidder must confirm about providing all these services in the Technical Bid.
- 5.0 Packing :  
Packing of goods must be sufficiently robust to withstand multiple handling during transit for delivery to their final destination so that contents do not get damaged. Boxes / Packing cases containing electrical / electronic equipment are to be waterproof lined.
- 6.0 The bidders must submit a written undertaking that they would be able to supply all the requisite spares and consumables (including bought out items) for a minimum period of 5 (five) years from the Certified date of completion / successful field commissioning of the unit. Original Equipment Manufacturer's undertaking must be forwarded for the items not manufactured by the bidder.
- 7.0 **Tax & Duties:**
- (i) All taxes, stamp duties and other levies imposed outside India shall be the responsibility of the Bidder/Seller and charges thereof shall be included in the offered rates.
  - (ii) All Taxes & levies imposed in India, for the services including installation & commissioning, shall be to the Bidder/Seller's account.
  - (iii) Income Tax on the value of the Services rendered by the Bidder /Seller in connection with installation, commissioning, training etc. shall be deducted at source from the invoices at the appropriate rate under the I.T. Act & Rules from time to time.
- 8.0 **Payment :** Payment shall be released as follows:
- i) 80 % of the Drilling Simulator value will be released against supply of Drilling Simulator against proof of despatch/shipment of the goods.
  - ii) Remaining 20 % of the Drilling Simulator value along with commissioning charges shall be paid after successful commissioning and acceptance of the Drilling Simulator by OIL at site.
  - iii) Training charges will be paid only after successful completion of training.
- OIL may consider making 100 % payment of the Drilling Simulator value towards supply of the Drilling Simulator against proof of dispatch/shipment provided bidders agree to pay interest @ 1% above prevailing Bank Rate (CC rate) of State Bank of India for 20 % of the Drilling Simulator value and also submit Bank Guarantee for the equivalent amount plus interest valid till successful commissioning of Drilling Simulator at site. This is in addition to the 10 % of the order value towards Performance Security as per the NIT requirement.
- Any offer not complying with the above shall be loaded at one percent above the prevailing Bank Rate (CC rate) of State Bank of India for evaluation purpose.
- 9.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

- 9.1 The items covered by this enquiry shall be used by Oil India Limited in any area and hence applicable Customs Duty during import will be applicable. Indigenous bidder shall not be eligible for Deemed Export Benefit against this purchase.
- 9.2 Other terms and conditions of the tender shall be as per "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

**BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC) :****(I) BID REJECTION CRITERIA (BRC)**

The bids must conform to the specifications and terms and conditions given in the tender. Bids shall be rejected in case the item(s) offered do not conform to the required minimum/maximum parameters stipulated in the technical specifications and to the respective international / national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected:

**(A) TECHNICAL :**

- 1.1 All components of the Simulator as indicated in the bid document should be offered. The bid will be rejected if any of the components are not offered by the bidder.**
- 1.2 The offer will be rejected if the Simulator model quoted is not IWCF & IADC WellCAP compliant and approved for IWCF & IADC WellCAP accreditation and training programme.**
- 1.3 The manufacturer of Portable and Fixed Type Drilling Simulators should be engaged in their own entity in manufacturing of drilling simulators during the last five years and should have sold at least 5 (FIVE) numbers of the quoted portable drilling simulator during the last five years to well control training institutes / centers which are currently accredited by IWCF to conduct “Rotary Drilling Well Control Certification Programme”. Those accredited centers should be regularly conducting “Rotary Drilling Well Control Course” till date. The bidders must enclose documentary evidence in this regard without which the bid will be rejected. The bidders must provide with the names, addresses, contact numbers and E-mail addresses of those IWCF accredited centers.**
- 1.4 The bids received without complete technical specifications and details duly supported by relevant documents will be rejected.**
- 1.5 The bidder should confirm to install and commission the Simulator at OIL,s facility without which it will be rejected. The cost for the same should be quoted separately in the bid.**
- 1.6 Bidder should confirm to provide services for maintenance of hardware for a period of 5 (FIVE) years and software technical support for 10 (TEN) years from the date of commissioning failing which it will be rejected.**
- 1.7 The bidder to enclose undertaking to make spares available for the portable drilling simulator quoted for the next five years.**
- 1.8 The bidder, in case of supply houses should forward valid authorization and warranty coverage from the manufacturer, categorically confirming that they are the licensed agent of the manufacturer who fulfills the above points failing which their offer will be rejected.**
- 1.9 The bidder, in case of supply houses should have the experience of installing and commissioning at least five numbers of the quoted portable drilling simulator during the last five years to well control training institutes / centers which are currently accredited by IWCF**

**to conduct “Rotary Drilling Well Control Certification Programme”. The bidder, in case of supply houses must enclose documentary evidence in this regard without which the bid will be rejected. The bidder, in case of supply houses must provide with the names, addresses, contact numbers and E-mail addresses of those IWCF accredited centers.**

**(B) COMMERCIAL :**

- 1.0 Bids are invited under Single Stage Two Bid System. Bidders shall quote accordingly under Single Stage Two Bid System. Any offer not complying with the above will be rejected straightaway.
- 2.0 **Bid security of US \$ 2,450.00 or ` 112,000.00** shall be furnished as a part of the TECHNICAL BID (refer Clause Nos.9.0 & 12.0 (Section A) of “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)). **Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration.** For exemption for submission of Bid Security, please refer Clause No. 9.8 (Section A) of “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). The Bid Security shall be valid for 240 days from the date of bid opening.
- 3.0 Validity of the bid shall be minimum 6 months (180 days) from Bid closing date. Bids with lesser validity will be rejected.
- 4.0 Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of eighteen months from the date of shipment/dispatch or twelve months from the date of commissioning whichever is earlier against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier’s expenses and no extra cost to OIL.
- 5.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for one year from the date of receipt/acceptance of goods or 18 months from the date of shipment whichever is earlier. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.
- 6.0 Bidders are required to submit the summary of the prices in their commercial bids as per bid format (Summary), given below:
  - (i) **Commercial Bid Format ( SUMMARY ) for Foreign Bidders :**
  - (A) **Total Material value**
  - (B) **Packing & FCA Charges**
  - (C) **Total FCA Port of Shipment (Gateway airport) value**
  - (D) **Air Freight upto Kolkata (India) port**
  - (E) **Insurance Charges**
  - (F) **Total CIF Kolkata value, ( C+D+E )**
  - (G) **Installation / Commissioning charges**
  - (H) **Training charges, if any**
  - (I) **Total Value, ( F+G+H ) above**
  - (J) **Total value in words :**
  - (K) **Gross Weight :**
  - (L) **Gross Volume :**

- (ii) Commercial Bid Format ( SUMMARY ) for Indigenous Bidders :**
- (A) Total Material value**
  - (B) Packing and Forwarding Charges**
  - (C) Total Ex-works value**
  - (D) Excise Duty with Applicable Cess, (Please indicate applicable rate of Duty)**
  - (E) Sales Tax, (Please indicate applicable rate of Tax)**
  - (F) Total FOR Despatching station price, ( C+D + E) above**
  - (G) Road Transportation charges**
  - (H) Assam Entry charge**
  - (I) Insurance Charges**
  - (J) Total FOR Duliajan value, ( F+G+H+ I ) above**
  - (K) Installation / Commissioning charges**
  - (L) Training charges, if any**
  - (M) Total Value, (J+K+L) above**
  - (N) Total value in words :**
  - (O) Gross Weight :**
  - (P) Gross Volume :**

**NOTE :**

1. Cost of individual items must be quoted separately.
2. In view of nature of the equipment, foreign bidders are to quote Air freight only.

- 7.0 Installation/Commissioning and Training charges must be quoted separately on lumpsum basis which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/lodging, local transport at Duliajan and other expenses of supplier's commissioning/training personnel during their stay at Duliajan, Assam(India).

Bidders must categorically indicate the above charges in their commercial offers and must confirm the same in their Technical bids.

- 8.0 Offers received without Integrity Pact duly signed by the authorised signatory of the bidder will be rejected.**

**(II) BID EVALUATION CRITERIA (BEC) :**

Bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria mentioned in Section D of "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005.

**CHECK LIST**

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE TICK MARK 'YES' OR 'NO' TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

**( A ) TECHNICAL CHECK LIST**

Sl. No.		
1	The simulator model quoted is IWCF & IADC WellCAP compliant	YES / NO
2	The simulator model quoted is approved for IWCF & IADC WellCAP accreditation and training programme	YES / NO
3	The simulator and its components are brand new, unused and of prime quality	YES / NO
4	The simulator model quoted is complete with all required hardware/computer items, necessary cables, junction boxes etc.	YES / NO
5	The simulator model quoted should be capable of providing training exercises for well control in drilling well, with Surface or Subsea BOP, with bit on or off bottom and for well control in workover well.	YES / NO
6	The Simulator model quoted should be suitable for airline check-in and should be supplied with transit cases of suitable dimensions	YES / NO
7	The Simulator model quoted is covered with warranty for a period of 12 (TWELVE) months, for both hardware and software, from the date of installation and commissioning.	YES / NO
8	The bidder has provided a list of recommended spares for 2 (TWO) years operation indicating item description, part number, quantity and price.	YES / NO
9	The bidder has enclosed an undertaking to make spares available for the Simulator model quoted for the next 5 (Five) years.	YES / NO
10	The bidder has mentioned the maximum power consumption of the simulator.	YES / NO
11	The bidder has included the software license fee for at least 10 years in the quoted amount.	YES / NO
12	The bidder has quoted as an optional service the cost of Hardware maintenance for a period of 5 (FIVE) years and Software technical support for 10 (TEN) years from the date of commissioning.	YES / NO
13	The bidder has offered to train on installation, operation and maintenance aspects of the Simulator offered at OIL's facility to 2/3 numbers of OIL's instructors at no extra cost.	YES / NO
14	The bidder has agreed to tie up with any IWCF accredited center to which it has supplied the offered drilling simulator model for accreditation of OIL instructors as IWCF practical assessor on chargeable basis.	YES / NO
15	The bidder has enclosed documentary evidence verifying that the manufacturer is engaged in its own entity in manufacturing of drilling simulators for the last five years.	YES / NO
16	The bidder has enclosed documentary evidence verifying that the manufacturer has sold at least 5 (FIVE) numbers of the quoted portable drilling simulator model during the last five years to well control training institutes / centers which are currently accredited by IWCF to conduct "Rotary Drilling Well Control Certification Programme" and those accredited centers are regularly conducting "Rotary Drilling Well Control Course" till date.	YES / NO
17	The bidder has provided with the names, addresses, contact numbers and	YES / NO

	E-Mail addresses of those IWCF accredited centers to which it has supplied the quoted simulator model.	
18	The bidder has confirmed to install and commission the Simulator at OIL,s facility and has quoted separately for the installation and commissioning of the Simulator indicating the schedule of work involved.	YES / NO

Offer reference	
Name of the Bidder	

**(B) COMMERCIAL CHECK LIST**

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT "Yes" OR "No" TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

Sl#	REQUIREMENT	COMPLIANCE
1.0	Whether bid submitted under Single Stage Two Bid System?	Yes / No
2.0	Whether quoted as manufacturer?	Yes / No
2.1	Whether quoted as Supply House / Distributor. To Specify-	Yes / No
2.2	If quoted as Supply House / Distributor,	Yes / No
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Supply House for the product offered ?	
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	
3.0	Whether ORIGINAL Bid Bond (not copy of Bid Bond) Sent separately? If Yes, provide details	
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
3.1	Whether offered firm prices?	Yes / No
3.2	Whether quoted offer validity of Six months from the date of closing of tender?	Yes / No
3.3	Whether quoted a firm delivery period?	Yes / No
3.4	Whether agreed to the NIT Warranty clause?	Yes / No
3.5	Whether confirmed acceptance of tender Payment Terms of 80% against shipment/dispatch documents and balance 20% after successful commissioning along with commissioning charges?	Yes / No
3.6	Whether confirmed to submit PBG as asked for in NIT?	Yes / No
3.61	Whether agreed to submit PBG within 30 days of placement of order?	Yes / No
3.7	Whether Price submitted as per Price Schedule (refer Para 6.0 of BRC vide Annexure – II)?	Yes / No
	Whether confirmed that all spares & consumables will be supplied for a minimum period of <b>5 years</b> ?	Yes / No
6.72	Whether cost of Recommended Spares for 2 years of operations quoted?	Yes / No
3.8	Whether quoted as per NIT (without any deviations)?	Yes / No
3.81	Whether quoted any deviation?	Yes / No
3.82	Whether deviation separately highlighted?	Yes / No
3.9	Whether indicated the country of origin for the items quoted?	Yes / No
3.91	Whether technical literature / catalogue enclosed?	Yes / No
3.92	Whether weight & volume of items offered indicated?	Yes / No

4.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	Yes / No
4.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
4.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance) ?	Yes / No
4.3	Whether Indian Agent applicable?	Yes / No
	If YES, whether following details of Indian Agent provided?	
	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
5.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
5.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
5.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
5.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
5.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
5.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
6.0	Whether all BRC/BEC clauses accepted?	Yes / No
7.1	Whether confirmed to carry out Installation & Commissioning of the equipment at Duliajan(Assam) ?	Yes / No
7.2	Whether Installation & Commissioning charge applicable?	Yes / No
7.3	If Installation/ Commissioning and Training charges applicable, whether separately quoted on lumpsum basis?	Yes / No
7.4	Whether to & fro air fares, boarding/lodging of the commissioning personnel at Duliajan, Assam(India) included in the quoted charges ?	Yes / No
7.5	Whether confirmed that all Service, Income, Corporate tax etc. applicable under Installation/ Commissioning & Training are included in the prices quoted ?	Yes / No
8.0	Have you signed and submitted Integrity Pact and submitted along with Technical Bid?	Yes / No

Offer reference	
Name of the Bidder	

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