Bid Number: GEM/2021/B/1464742
Dated: 25-08-2021

Bid Document

Bid Details	
Bid End Date/Time	15-09-2021 13:00:00
Bid Opening Date/Time	15-09-2021 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Petroleum And Natural Gas
Department Name	Oil India Limited
Organisation Name	Oil India Limited
Office Name	Oil India Limited
Total Quantity	1
Item Category	BOQ
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Time allowed for Technical Clarifications during technical evaluation	3 Days
Estimated Bid Value	78833031
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No

ePBG Detail

Advisory Bank	HDFC Bank

ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	20

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:
GMFA
Oil India Limited, Duliajan, Assam 786602. Email : tuhin_roy@oilindia.in; Details of Beneficiary : OIL INDIA LIMITED. Bank Name :HDFC BANK LIMITED Branch Name :Duliajan Bank Account No. :21182320000016 Type of Account :Current Account IFSC Code :HDFC0002118 MICR Code :786240302 SWIFT Code :HDFCINBBCAL (Gmfa)

Splitting

Bid splitting not applied.

1. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

BOQ (1 pieces)

Brand Type	Unbranded

Technical Specifications

Specification Document	View File
BOQ Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Installation Commissioning and Testing (ICT) details for the above item:

% of Product Cost Payable on Product Delivery	70%
Min Cost Allocation for ICT as a % of product cost	5%
Number of days allowed for ICT after site readiness communication to seller	60 Days

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Krishna Mohan Kumar	786602,Oil India Limited, Duliajan, Assam	1	270

Buyer Added Bid Specific Additional Terms and Conditions

1. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

2. Bidder shall submit the following documents along with their bid for Vendor Code Creation:

   a. Copy of PAN Card.

   b. Copy of GSTIN.

   c. Copy of Cancelled Cheque.

   d. Copy of EFT Mandate duly certified by Bank.

3. Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. Click here to view the file
4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 100% of total value.

5. Purchase Preference linked with Local Content (PP-LC) Policy:

   The bid clause regarding “Preference to Make In India products” stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as “Non Local Supplier”. The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

   i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
   ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
   iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and

such undertaking shall become a part of the contract.

6. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

This Bid is also governed by the General Terms and Conditions

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---

Annexure-A

Item 10- SUPPLY, INSTALLATION & COMMISSIONING AND TRAINING OF FIXED TYPE FULL SIZE DRILLING & WELL CONTROL SIMULATOR.

Qty = 1 No.

The "INSTITUTE OF WELL CONTROL TECHNOLOGY" established in Duliajan by Oil India Limited, on 18.06.2012 has been accredited by "INTERNATIONAL WELL CONTROL FORUM (IWCF)" as a primary centre for conducting the "Rotary Drilling Well Control Course" & "Well Intervention Pressure Control Course". IWCF certification course is meant for drilling and production crew engaged in exploration and development of hydrocarbons. A single mistake on their part may result in complication in a well or even a blowout, which may involve loss of equipment, resources worth millions of dollars or loss of human life. Hence, it is mandatory for all drilling personnel to pass the certification programme at the desired level (Driller or Supervisor) and well intervention personnel to pass the certification programme (wireline, coiled tubing or snubbing intervention) every two years. Oil India limited intends to procure One No. Fixed type full size drilling & well control simulator for hands on training on well control for its well control institute.

TECHNICAL SPECIFICATION

The full size drilling & well control simulator should be designed with advanced well control simulation to meet the training requirements in onshore operational environments. The full-size equipment has the same look and feel of the equipment on a real rig. The simulator should enjoy the same modeling capability as a rig floor simulator and meet all advanced well control training requirements including 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.

1. Core Capabilities of the simulator but not limited to the following activities:

Water and oil-based muds
Bubble point and gas flash out
Multiple kicks and kick influx density
Gas expansion and migration
Reservoir drawdown and stabilisation
Bull heading
Underground blowout
Dynamic pressures during well control
Formation fluid type and permeability
Loss zone and leak off testing
Bottom hole effects – equivalent circulating density (ECD),surge and swab
Wellbore ballooning and breathing
Horizontal and deviated wells

Hole cleaning, turbulent, laminar flow
Drilling on junk, pipe twist-off, stuck pipe, jarring
Sloughing, differential sticking, key seating, pack-off
Rock strength and abrasiveness
Bit washout, bit plugging, bit balling
Drill string washout
Fluid flow and pressure loss
Lost circulation
Managed pressure drilling

2. **Rig selection**

   Land Rig

3. **Flow line to ground level selection for land rigs**

4. **Rotating system selection**

   Top drive

   Kelly & rotary table drive

5. **BOP & Well control equipment**

   Adjustable BOP stack operating pressure. Surface BOP stack configuratic one annular, upper, middle & lower pipe RAM, one blind/ shear RAM with adjustable BOP stack working pressure, maximum hang off weight for pip RAM, Provision for upper, middle & lower fixed pipe RAM to variable RAM conversion & adjustable times for opening & closing BOPs. Provision for standard Choke & kill line connection.

6. **Surface accumulator**: total accumulator volume, accumulator pump, maximum accumulator oil volume & accumulator minimum operating pressure,

7. **Casing strings**

   At least five set casing strings with selection for OD, ID, PPF, depth of casing, collapse pressure, Burst pressure & tensile strength for each ca string.

8. **Liner strings**

   At least five set liner strings with selection for OD, ID, PPF, depth of set li liner length, collapse pressure, Burst pressure & tensile strength for e liner string.

9. **Hole profile**

   Vertical well
   Deviated well
   Horizontal well

Extended reach well
With adjustable settings for various parameters of deviated well & Extended reach well

10. Selection of drill string

Setup of Drill pipe, HWDP, jar configuration, Downhole motor configuration, downhole turbine configuration, drill collars, bit configuration.

11. Selection of Formation Data

i) Loss zone parameters: leak off gradient, fracture gradient, propagation gradient.

ii) Reservoir Parameters: gas density, oil density, water density & bull heading differential pressure

iii) Migration rate: Annulus migration rate, drill pipe migration rate

iv) Temperature: Surface temperature, reservoir temperature & temperature effect for mud.

v) Casing shoe leak off: leak off gradient, fracture gradient, propagation gradient, casing shoe leak off or fracture, fracture propagation direction.

vi) Hole drag: hole drag per unit length of hole, rotational hole drag.

vii) Geology settings: Status of zone type (active or inactive), TVD of formation top, MD displayed for vertical & deviated well, drill ability (compressive strength of formation), formation porosity & permeability, formation fluid type, pore pressure, formation pressure, formation type.

12. Mud system settings:

i) Selection of mud pump data

ii) Selection of mud system: type of mud -WBM, OBM or synthetic base mud & mud parameters –density, Viscosity, compressibility yield point

iii) Active & Reserve mud system settings

iv) Trip & strip tank settings

v) Solid control efficiency

vi) Vacuum degasser % of gas removed

vii) % of Solid in the mud system

viii) Solid control efficiency

13. Surface diverter parameters settings including diverter accumulator.

14. Power & Auxiliary equipment

Rig supply voltage, Rig air pressure, amperage settings for 4 generators, current limit for 3 mud pumps and 1 cement pump, rotary table maximum horse power & torque, top drive maximum input horsepower & torque.

15. MGS settings:

Vertical or horizontal configuration, inlet line diameter, vent line diameter, vent line length, MGS u tube height, MGS liquid seal height.

16. Well control: Driller's method, wait & weight method, circulated & weight method, concurrent method, volumetric method, lubricate & bleed method, dynamic pressure during well control, Hard & soft shut in capability, kicks while drilling, tripping & out of hole, Bull headings for well operations, ability to kill wells with loss zones active by using different mud densities,

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, top drive panel
2. Draw works Console / Panel
3. Remote Choke Console / Panel
4. Surface BOP Console / Panel
5. Standpipe manifold and choke manifold console / panel
6. Drilling Recorder and Well Control Plotter
7. Uninterruptible Power Supply (UPS)
8. Cabling for computer and console connections
9) Separate Graphics display for the student and instructor
10) Drilling Operations Software
11) Drilling Well Control Software,
12) Instructional and hardware diagnostics software
13) Interactive Graphics Software
14) User interface language – English.

DRILLER'S CONSOLE

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

1) All the three pumps actuator & speed control switches

2) SPM Gauges for all the three pumps: gauge (0 - 200 SPM), Increments of 2 SPM. Gauge Size minimum 3 inch gauge or equivalent to equipment on a real rig.

3) Stand pipe pressure gauge in PSI & BAR. Scale range, 0-5000 psi and 0-350 bars

4) ROP Indicator: ROP from 0 – 200.

5) 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.

6) Mud/Fluid Weight Sample Switch to select indication for mud weight in or out of the well.

7) Mud/Fluid Weight Select Control for selection of new mud/fluid weight in PPG or SG.

8) Start Weight Control to start new mud/fluid weight that has been selected on the Mud/Fluid Weight Select Control.

9) Pit Level Deviation Gauge (3 inch) for dual reading (50-0-50 barrels, 8-0-8 M3), increments of 1 BBL or 0.2 M3.

10) High and Low Pit Level Alarm Set Controls for setting high and low alarm point for pit level.

11) High and Low Flow Alarm Set Control for setting high and low alarm point for return flow.

12) Zero Adjust for Pit Level for setting initial “zero” value for pit level.

13) Pit Level High Alarm Light - Red LED.

14) High and Low Flow Alarm Light - Red LED.

15) Alarm Buzzer On/Off Switch - 2 position toggle for on/off.

16) Alarm Buzzer - For high and low pit level and high and low return flow.

17) Return Flow gauge - Digital indication of return flow from the well in barrels per min., GPM, M3 per minute or liters per minute.

18) Graphics display – minimum 4 screens at least 46” in size. Curved view lay out showing surface & down hole graphics.

DRAWWORKS CONSOLE

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

1) Hook Load Indicator & Weight-On-Bit Indicator (WOB) – standard gauge scale in Lbs & Kgs indicator for dual reading. Hook load range 0-640,000 pounds or 0-320 metric tons. WOB dual reading (-40 to 0 to 110 thousand pounds and –20 to 0 to 55 metric tons). Gauge Size

minimum 12inch or equivalent to equipment on a real rig. It should have a Vernier adjustment for zero WOB.

2) Rotary Torque Indicator – It should be in Ft-lbs & Amps. Gauge Size minimum 3 inch circular indicator or equivalent to equipment on a real rig.
3) Rotary Speed Indicator - It should be in RPM & scale reading from 0 to 200 RPM. Gauge Size minimum 3 inch circular indicator or equivalent to equipment on a real rig
4) Drilling Function Control for selection of operation i.e. drilling, tripping or stripping. It should have a three position toggle switch.
5) 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.
6) RPM Throttle for varying power to the rotary table for adjustment of the RPM. The rotation should be shown on the interactive graphics display.
7) Draw works Throttle for varying power to the draw works for lifting the drill string. Both hand & foot throttle must be available. The Pipe movement should be shown on the interactive graphics display.
8) Standpipe Pressure gauge – Scale range, 0-5000 psi and 0-350 bars.
9) Brake Lever control that functions as full size brake. The Pipe movement should be shown on the interactive graphics display. Both hand & foot throttle must be available.
10) 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 should be similar to operation on a real rig. Through this controls the user should be able to set slips, add & remove / break Kelly & TDS, 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.
2. Pump speed indicator (SPM).
3. Total stroke counter and reset switch.
4. Simulated Choke control handle.
5. Choke position indicator.

6. Air supply on/off handle.

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

1) Drill pipe Pressure Gauge – Drill pipe Pressure Gauge - minimum 5 inch circular gauge or equivalent to gauge on a real rig with dual readings (0-5000 PSI or 0-350 BARS), increments of 100 PSI or 10 BARS.
2) Casing Pressure Gauge - Drill pipe Pressure Gauge – minimum 5 inch circular gauge or equivalent to gauge on a real rig with dual readings (0-5000 PSI or 0-350 BARS), increments of 100 PSI or 10 BARS.
3) Digital 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- 3 inch gauge with Open / Close position indication, having increments of 1/16". Gauge Size equivalent to equipment on a real rig.
9) Pump Stroke Indicator having digital display of total SPM.
10) Kill Line Pressure gauge having 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 four 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) Middle Pipe Ram (open / close)
5) Choke Line HCR Valve (open / close)
6) Kill Line HCR Valve (open / close)
7) Lower Pipe Ram (open / close)
8) Lights for open and close status for each of the above BOP functions – Red for Close and Green for Open
9) Flow light with visual indication of flow through the bell nipple.
10) Accumulator Console with accumulator pressure gauge, air pressure gauge, annular pressure gauge, manifold pressure gauge and a provision for adjusting the annular pressure gauge.

CHOKE MANIFOLD CONSOLE:

It should consist of at least nine manifold valves. During drilling operation the user should be able to use these valves for lining up flow from the well to a choke and for lining up a pump for circulation into the casing through the choke or kill line. User should be able to open / close valves physically in the manifold or line up valves using HMI touch screen.

STANDPIPE MANIFOLD

Integral stand pipe manifold system where valve operation is simulated. As a minimum; two pump discharge lines feeding in parallel to a stand pipe manifold with a single stand pipe. It should consist of full-size console similar to equipment on real drilling rig and touchscreen HMI with manifold valve switches for three mud pumps. The user should be able to use these valves for lining up each mud pump separately or parallel pumping (using any two pumps at a time) with lining up any two pumps for circulation into the well either through standpipe 1 or standpipe 2 valves and line up any pump for circulation through choke or kill line into the casing. Each valve should be equipped with a two segmented lighted pushbutton for open and close. User should be able to open / close valves physically in the manifold or line up valves using HMI touch screen also.

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 and digital meter type.

3.3. Analogue gauge displays must have Gauge Size equivalent to equipment on a real rig, 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).

3.6 All displays & control switches as per IWCF / IADC norms.

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 .
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

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 minimum 4 screens of at least 46” in size. Curved view layout.

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 : 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) showing the status of BOP's, standpipe and choke manifold valves, the pumps, and other important information.

2. 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.
3. Surface drilling operations, including pipe handling, trip tank, BOP closure, and flow indications.
4. Logged display of important drilling parameters.
5. 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 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 240V at 50Hz.

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												
1.8	x				x		x	x	(x)		x	
1.9	x				x		x	x	(x)		x	
1.10	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.

*****

AA: SPECIAL NOTES TO BIDDERS:

1. The Fixed Type (Full Size) Drilling & well control Simulator (Hereafter referred to as Simulator) model must be IWCF & IADC Well CAP compliant and approved for IWCF & IADC Well CAP 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 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. The cost shall be considered for Bid evaluation.**

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 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 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. The bidder shall replace defective items, if any, free of cost within the warranty period. The bidder should confirm the above at the time of quoting.

11. The bidder to enclose undertaking to make spares available for the Simulator model quoted for the next 5 (Five) years.

12. The bidder to mention the maximum power consumption of the simulator at the time of submitting his bid.

13. 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.

14. 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. **The cost of Training shall be included in cost of Installation and Commissioning.**

15. In the event of an order the supplier shall provide all the associated hardware and software for commissioning of the full size Drilling & well control simulator.

16.1 The bidder shall quote minimum five (5) years simulator maintenance plan along with bid document. These maintenance plan will start as soon as simulator warranty and free simulator maintenance plan, if any, ends. During these commitment period it is the responsibility of the bidder to carry out latest software upgrade free of charge & in the event a hardware component breaks down and is required to be replaced, bidder to carry out replacement job, spare part cost to 5% of the Annual maintenance fee at least, free of cost and will keep the simulator in full operating condition. **However, the price quoted for the simulator maintenance plan will not be considered for commercial evaluation of the bid. But this quoted price should valid at least for 03 (three) years.**

16.2 The Bidder should provide a list of recommended spares for 5 (FIVE) 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 drilling simulator. **However, the price quoted for the said spares will not be considered for commercial evaluation of the bid. But this quoted price should valid at least for 03 (three) years.**

16.3 The bidder should quote for the following services as an optional service the **cost of which will not be considered for commercial evaluation.**

i) Hardware maintenance / repair of the 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.

17.0 Bidder shall submit the prices of 16.1, 16.2 & 16.3 separately in a sealed envelope in physical form (hard copy) to reach us on or before the Bid Closing date of the GeM Tender at following address:

GM-MATERIALS, MATERIALS DEPARTMENT, OIL INDIA LIMITED, DULIAJAN - 786602, ASSAM.

The envelope should be properly marked as mentioned below.

The sealed envelope of only the Techno commercially acceptable bidders shall be opened along with priced bid. The sealed envelope shall only contain prices of 16.1, 16.2 & 16.3 (as mentioned above) or any other attachment mentioned in the tender, **however the prices shall not be considered for bid evaluation purpose. No other price details shall be submitted in the envelope as those shall not be considered for bid evaluation**.

17.1 (Procedure for marking of physical envelope) -

The prices of 16.1, 16.2 & 16.3 (as mentioned above) shall be submitted in bidders own original letterhead duly signed by authorized signatory and stamped. It should be put in a sealed envelope bearing the following details on the left hand top corner:

i) GEM Bid No.
ii) Bid closing date
iii) Brief Description of materials
iv) Bidder's Name, official address with Phone Nos. & Email address.
v) .... or any other attachment (as applicable).

The above sealed envelope should then be put in another envelope bearing the following address:

GM-MATERIALS, MATERIALS DEPARTMENT, OIL INDIA LIMITED, DULIAJAN - 786602, ASSAM.

AB: GENERAL NOTES TO BIDDERS:

1.0 The Bidder should indicate the dimensions and weight of the offered items, the name of the manufacturer, the country of origin, Local content and place of dispatch of the materials.

2.0 Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.

3.0 HSN Code: To be mentioned by bidder.

4.0 All the tendered items shall be procured from same source against this tender and hence, bidder must quote for all items in full quantity strictly complying with the technical specifications as per tender.

5.0 Materials must be despatched within (09) months from the date of placement of order by OIL. The date of clear LR or C/Note shall be considered as the date of delivery.

6.0 **The items covered under this enquiry shall NOT be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence Customs Duty for**

import of goods shall be applicable. Also, IGST @ 18 % or as applicable shall have to be paid.

7.0 **Essentiality Certificate shall not be issued against the tender.**

8.0 Bidder to categorically confirm under which policy i.e. PP-LC or MSME or DPIIT-MII, they want to avail the benefit and to submit requisite document/certificate in support to avail this benefit. The bids will be evaluated based on their declaration. No benefit will be given if the bid is submitted without any above declaration along with supporting document as per the respective policies.

9.0 OIL's Reference No. PR = 1422593.

10.0 The items shall be brand new, unused & of prime quality. The manufacturer shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of shipment/ dispatch or 12 months from the date of receipt of the items, whichever is earlier. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations.

11.0 Bidders shall submit their offer mentioning pointwise compliance / non-compliance to all the terms & conditions, BEC/BRC, Specifications etc. Any deviation(s) from the tender terms & conditions, BEC/BRC, Specifications etc. should be clearly highlighted specifying justification in support of deviation.

12.0 Tax Collectible at Source (TCS) applicable under the Income-tax Law and charged by the SUPPLIER shall also be payable by OIL along with consideration for procurement of goods/materials/equipment. If TCS is collected by the SUPPLIER, a TCS certificate in prescribed Form shall be issued by the SUPPLIER to OIL within the statutory time limit.

Payment towards applicable TCS u/s 206C (1H) of Income Tax Act,1961 will be made to the supplier provided they are claiming it in their invoice and on submission of following undertaking along with the invoice stating that:

a. TCS is applicable on supply of goods invoiced to OIL as turnover of the supplier in previous year was more than Rs. 10 Cr. and
b. Total supply of goods to OIL in FY ... exceeds Rs. 50 Lakh and
c. TCS as charged in the invoice has already been deposited (duly indicating the details such as challan No. and date) or would be deposited with Exchequer on or before the due date and
d. TCS certificate as provided in the Income Tax Act will be issued to OIL in time.

However, Performance Security deposit will be released only after the TCS certificate for the amount of tax collected, is provided to OIL. Supplier will extend

the performance bank guarantee (PBG), wherever required, till the receipt of TCS certificate or else the same will be forfeited to the extent of amount of TCS, if all other conditions of Purchase order are fulfilled.

The above payment condition is applicable only for release of TCS amount charged by supplier u/s 206C (1H) of Income tax Act, 1961.

13.0 DOCUMENT VERIFICATION:

Oil India Limited (OIL) has engaged the following 09 (Nine) Independent Inspection Agencies for a period of 04 (four) years with effect from 06.05.2020 to verify and certify of various documents required against BEC/BRC of the tender:

Sl. No.	Name of Independent Inspection Agency	Contact E-mail ID
i.	M/s. RINA India Pvt. Ltd.	a. ssd@rina.org b. Andrea.Vattuone@rina.org
ii.	M/s. Dr. Amin Controllers Pvt. Ltd.	a. rkjain@rcaindia.net b. info@rcaindia.net
iii.	M/s. GermanischerLlyod Industrial Services GmbH (DNV GL- Oil & Gas)	a. mangesh.gaonkar@dnvgl.com
iv.	M/s. TÜV SÜD South Asia Pvt. Ltd.	a. Jaimin.Bhatt@tuv-sud.in b. sanjaykumar.singh@tuv-sud.in c. Pankaj.Narkhede@tuv-sud.in d. Ajit.Yadav@tuv-sud.in
v.	M/s. IRCLASS Systems and Solutions Private Limited	a. abhishek.singh@irclass.org b. pradeep.bansal@irclass.org c. Asim.Hajwani@irclass.org d. Amit.Ketkar@irclass.org e. industrial_services@irclass.org
vi.	M/s. Gulf Llyods Industrial Services (India) Pvt. Ltd.	a. contact@gulflloyds.com b. bbhavsar@gulfllyods.com c. inspection@gulflloyds.com d. gulflloyds.india@gmail.com
vii.	M/s. TUV India Private Limited	a. salim@tuv-nord.com b. delhi@tuv_nord.com
viii.	M/s. TÜV Rheinland (India) Pvt. Ltd.	a. Shailesh.Deotale@ind.tuv.com b. ravi.kumar@ind.tuv.com c. rupeshkumar.singh@ind.tuv.com d. Neeraj.Chaturvedi@ind.tuv.com

ix.	M/s. Bureau Veritas (India) Private Limited	a. udit.chopra@bureauveritas.com b. vishal.sapale@bureauveritas.com c. dinesh.sukhramani@bureauveritas.com d. p.sridhar@bureauveritas.com e. hariprasad.jhawar@bureauveritas.com f. amit.shaw@bureauveritas.com g. business.support@bureauveritas.com h. labhanshu.sharma@bureauveritas.com i. pramodkumar.yadav@bureauveritas.com j. sonal.lad@bureauveritas.com k. bvindia.corporate@in.bureauveritas.com

13.1 The Bidders have to get the various documents required against BEC/BRC of the tender verified and certified by anyone of the above Independent Inspection Agencies and submit the duly certified documents alongwith the Inspection Certificate issued by the Inspection Agencies as part of their Technical Bids. It may be noted that the scope of inspection is primarily to verify the authenticity of the documents being submitted as part of the bid. All Charges of the Third-party Independent Inspection Agencies towards verification of bidder's documents and certification thereof shall be borne by the respective bidders and Payments on account of above inspection, verification and certification shall be made directly by the Bidder to the Inspection Agency(s). OIL will not be responsible for any payment dispute between Bidders and Third Party Inspection Agencies.

13.2 As mentioned above, Bidder(s) have to submit the verified documents and the duly certified Inspection Certificate by the Inspection Agencies along with the Technical Bids. Bid submitted with un-verified supporting documents shall not be normally considered. However, in case a bidder submits its bid alongwith all relevant supporting documents against BEC/BRC without getting all/some of them verified by the designated Independent Inspection agency, such bid can be provisionally considered provided it is accompanied by an Undertaking by the Bidder on their official letterhead to submit the duly verified copies/verification certificate within seven (7) days of actual bid opening. Company will neither send any reminder nor seek any clarification in this regard from such bidders, and the bid will be rejected outright if the bidder fails to submit the verified copies/verification certificate within seven (7) days of actual bid opening at its

own risk and responsibility. If a bidder does not submit the undertaking towards submission of third party certification within 7 days from date of Bid Closing date, but certified document reaches us within the cut-off date of above seven (7) days, then such bids shall be considered.

13.3 The methodology of inspection/ verification of documents followed by the agencies is broadly as under but not limited to:

a) It is obligatory on the part of the interested Bidders, who choose to participate against the tender, to understand the tender requirements in entirety and the requisite documents sought for in support of the Bid Rejection & Bid Evaluation Criteria (BEC/BRC) mentioned in the tender in particular. The Bidder must produce all the appropriate documents before any of the OIL's empanelled third party certifying agencies for verification/certification. Neither OIL nor the third party certifying agency shall be held accountable in any manner regarding the choice of documents by the bidder for verification. Therefore, getting the appropriate documents inspected/ verified by the agency in support of BEC/BRC clauses is the sole responsibility of the Bidder.

b) The prospective bidder shall contact any of the empanelled inspection agencies. The agency shall go through the Tender Document, especially the requirements of BEC/BRC and list the documents to be verified. They shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids. OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required at **no extra cost to OIL. Verification of documents by OIL's empanelled third party agency shall not automatically make the bidder eligible for award of contract.**

c) Verification of documents are normally categorised as under:

➢ **General Requirement:**

- Check Bidder's PAN Card
- Check Bidder's GST Certificate
- Check ITR of company – last three years (minimum)
- Check Bidder's Certificate of Incorporation – Domestic Bidder.

➢ **Additional Documents: (If applicable against the tender)**

- Joint Ventures Agreements – To Double-check with JV Partners
- Consortium Agreements – To Double-check with Consortium Partners

- Holding/ Parent/Subsidiary Company – To check the notarized Share Holding pattern

➢ **Technical Criteria**

- To check Experience Proof –
- To Check the Completion Certificates – Letter of Appreciations of proper Execution
- Reference contact verification and true copy verification
- To check Original Work Order/Contract Copy
- To check any other document(s), if called for vide BEC/BRC of the Tender.

➢ **Financial Criteria**

- Check and verify Audited Balance Sheet/CA certificate – Turnover & Net Worth.
- Check Notarization validity, if any
- To check the Line of Credit, if incorporated in the tender.

13.4 An Undertaking from Independent Inspection Agencies for Document Verification as per (Proforma – 11) should be submitted alongwith the Technical bid.

****

Annexure-B

BID EVALUATION CRITERIA (BEC) / BID REJECTION CRITERIA (BRC)

The bids shall conform to the specifications and terms & conditions given in the Tender. Bids shall be rejected in case the items offered do not conform to the required parameters stipulated in the technical specifications and to the relevant international/national standards wherever stipulated. Not withstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements must be particularly met by the bidders, without which the offer shall be considered as non-responsive and rejected :

BID REJECTION CRITERIA (BRC):

A.1. TECHNICAL:

1.0 BIDDER'S QUALIFICATION CRITERIA:

1.1 The bidder shall be an Original Equipment Manufacturer (OEM) of Fixed Type (Full Size) Drilling and Well Control Simulator.

OR

1.2 The bidder shall be a sole Selling Agent / Dealer / Distributor/Supply House of OEM of Fixed Type (Full Size) Drilling and Well Control Simulator.

Note:
a) Bidders other than OEMs must submit a valid Authorization letter and backup warranty from the manufacturer as per format enclosed herein vide **APPENDIX-B1**. The authorization letter must be duly sealed & signed by the Manufacturer on their official letter head and the status of the Bidder (whether Sole Selling Agent/ Dealer/Distributor/Supply House) should be identified.

b) The Sole Selling Agent/Dealer/Distributor/Supply House shall categorically confirm in their technical bid that there will be no change of the proposed OEM after submission of the bid.

2.0 BIDDER'S EXPERIENCE :

2.1 In case the Bidder is an Original Equipment Manufacturer (OEM) of Fixed Type (Full Size) Drilling and Well Control Simulators, the bidder shall have experience of successful execution (supply, installation and commissioning) of 1 No. Fixed Type (Full Size) Drilling and Well Control Simulator (tender item) or a similar Fixed Type (Full Size) Drilling and Well Control Simulator in last five (05) years preceding the bid closing date of this tender to any training center which is accredited by IWCF to conduct "Drilling Well Control Programme". Those accredited centers should be regularly conducting "Drilling Well Control Programme" till date.

Documentary evidences in this regard must be submitted along with the Technical Bid as per Para 2.3.

2.2 In case the bidder is a Sole Selling Agent/Dealer/Distributor/ Supply House of the Original Equipment Manufacturer (OEM) of Fixed Type (Full Size) Drilling and Well Control Simulator, the following criteria shall be met by the Bidder and the OEM:

i) The bidder as a Sole Selling Agent/Dealer/Distributor/ Supply House shall have the experience of successful execution (supply, installation and commissioning) of 1 No. Fixed Type (Full Size) Drilling and Well Control Simulator (tender item) or a similar Fixed Type (Full Size) Drilling and Well Control Simulator in last five (05) years preceding the bid closing date of this tender to any training center which is accredited by IWCF to conduct "Drilling Well Control Programme". Those accredited centers should be regularly conducting "Drilling Well Control Programme" till date.

Documentary evidences in this regard must be submitted along with the Technical Bid as per Para 2.3.

ii) Their Original Equipment Manufacturer (OEM) must also meet the experience criteria set out in para 2.1 above and documentary evidences in this regard must be submitted along with the Technical Bid as per para 2.3.

2.3. NOTES TO BIDDER REGARDING EXPERIENCE CRITERIA :

2.3.1 The following documentary evidences to substantiate above experience records (2.1 and 2.2, as applicable) of the Bidder must be submitted along with the technical bid, failing which the Bid shall be treated as incomplete and rejected:

(a) Copy of Purchase Order(s) / contract(s) awarded by Client(s).

(b) Any one or combination of the following documents that confirms the successful execution of each of the purchase orders / contracts.

True copies of Original Signed and sealed Completion report / performance certificate from the clients (on Client's / User's official letter head with signature & stamp) duly notarized by Government Notary.

OR

Copy of Bill of Lading

OR

Copy of Consignee delivery receipts/challans

OR

Copy of Tax Invoice / Excise Gate Pass issued under relevant Act / rules

OR

Copy of Commercial Invoice / Payment Certificate

2.3.2 The date of purchase order(s) / contract(s) need not be within five (5) years preceding the original bid closing date of the Tender, but execution / supply of required quantity must be within five (5) years preceding the original bid closing date of this tender.

3.0 The Fixed Type (Full Size) Drilling and Well Control Simulator model quoted shall be IWCF & IADC Well CAP compliant and approved for IWCF & IADC Well CAP accreditation and training program.

4.0 The OEM shall confirm to provide services for maintenance of hardware for a period of atleast 5 (FIVE) years and software technical support for atleast 10 (TEN) years from the date of commissioning failing which it will be rejected.

5.0 The OEM shall have valid certifications for ISO: 9001, ISO: 14001, ISO: 27001, ISO: 45001.

6.0 DELIVERY PERIOD :

INDIAN BIDDER: Materials must be despatched within (09) months from the date of placement of order by OIL. The date of clear LR or C/Note shall be considered as the date of delivery.

Bids submitted by Bidders quoting delivery period more than the abovementioned duration shall not be accepted. Bidders must categorically confirm the delivery period in their Technical Bid.

A.2 BRC - FINANCIAL:

1.0 The bidder shall have an annual financial turnover of **minimum INR 394.16 Lakhs or USD 527,600.00** during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender.

2.0 "Net Worth" of the bidder must be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender.

3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an affidavit/ undertaking (PROFORMA - 8) certifying that 'the balance sheet/Financial Statements for the financial year (as applicable) has actually not been audited so far'.

Note:

a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the technical bid:-

i) A certificate issued by a practicing Chartered Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual Turnover & Net worth as per format prescribed in (PROFORMA – 9)

OR

ii) Audited Balance Sheet alongwith Profit & Loss account. In case of foreign bidders, self-attested/digitally signed printed published accounts are also acceptable.

b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/ State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

4.0 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US$, the bidder shall have to convert the figures in equivalent INR or US$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US$.

5.0 In case the Bidder is subsidiary company (should be 100% owned subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits its bid based on the strength of parent/ultimate parent/holding company, then following documents need to be submitted:

(i) Turnover of the parent/ultimate parent/holding company should be in line with Para A.2 (1.0) above.

(ii) Net Worth of the parent/ultimate parent/holding company should be positive in line with Para A.2 (2.0) above

(iii) Corporate Guarantee (PROFORMA - 10) on parent/ultimate parent/holding company's company letter head signed by an authorized official undertaking that they would financially support their wholly owned subsidiary company for executing the project/job in case the same is awarded to them.

(iv) Documents to substantiate that the bidder is as 100% subsidiary of the parent/ultimate parent/holding company.

********** **END OF ANNEXURE – C** **********

APPENDIX –B1

Format of Authorization & Backup Warranty by Manufacturers to Sole Selling Agent/Dealer / Distributer

(To be typed on the letter head of the Manufacturers)

Ref. No_____ Date _____

Sub: Authorization & Backup Warranty

Ref: Your tender No._____ Dated _____

To,
The HOD-Materials
Materials Deptt, OIL, Duliajan

Sir,

We, M/s..... (Name & address of the Manufacturer) hereby authorize M/s..... (Name & address of the Bidder) to submit their Bid against Tender No..... floated by OIL INDIA LIMITED (OIL) for supply tendered goods, which will be manufactured by us. As we do not participate directly against such tendering process, we authorize M/s. ..... (name of the Bidder) to participate as our only Sole Selling Agent/Dealer/Distributer (strike out whichever is not applicable) against the tender.

We hereby guarantee the supply through M/s..... (name of the Bidder) in the event of placement of purchase order by OIL and shall provide all back-up supports as may be necessary including for the quality & workmanship of supplied materials.

This authorization and back-up warrantee/guaranty shall remain valid throughout the execution by M/s. ..... (Name of the Bidder) including the defect liability period, in the event of an order by OIL on them.

Yours faithfully,
For (Name of the manufacture)

Name & Signature of Authorized signatory:
Designation :

Phone No.

Place :

Date :

Seal of the Manufacturer:

****

Proforma - 11

PROFORMA FOR UNDERTAKING FROM THIRD PARTY DOCUMENT VERIFICATION INSPECTION AGENCY

(To be submitted on official letter head)

To

M/s OIL INDIA LIMITED

P.O. DULIAJAN-7866602, ASSAM, INDIA

Sir

SUB : OIL's tender No. .....

M/s_____having registered office at _____intend to participate in the above referred tender of OIL INDIA LIMITED.

The tender conditions stipulated that the bidder shall submit documents pertaining to Bid Evaluation Criteria / Bid Rejection Criteria (BEC / BRC), duly verified and certified by designated independent Third Party Document Verification Inspection Agency.

In this regard , we hereby certify that copies of documents pertaining to Bid Evaluation Criteria / Bid Rejection Criteria (BEC / BRC), submitted to us by the bidder. M/s _____have been verified and certified by us with originals and found to be genuine and authentic. We have signed and stamped on the copies of all the verified and certified documents having_____nos. pages.

Note: In the event of any requirement, OIL reserves the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL.

Thanking you,

Authorised Person's Signature:_____

Name:_____

****

CHECKLIST FOR VERIFICATION OF DOCUMENTS CARRIED OUT BY THIRD PARTY DOCUMENT VERIFICATION INSPECTION AGENCY:

DESCRIPTION	REMARKS
➢ **General Requirement:**	
Check Bidder's PAN Card	
Check Bidder's GST Certificate	
Check ITR of company – last three years (minimum)	
Check Bidder's Certificate of Incorporation – Domestic Bidder.	
➢ **Additional Documents: (If applicable against the tender)**	
Joint Ventures Agreements – To Double-check with JV Partners	
Consortium Agreements – To Double-check with Consortium Partners	
Holding/ Parent/Subsidiary Company – To check the notarized Share Holding pattern	
➢ **Technical Criteria**	
To check Experience Proof –	
To Check the Completion Certificates – Letter of Appreciations of proper Execution	
Reference contact verification and true copy verification	
To check Original Work Order/Contract Copy	
To check any other document(s), if called for vide BEC/BRC of the Tender.	
➢ **Financial Criteria**	
Check and verify Audited Balance Sheet/CA certificate – Turnover & Net Worth.	
Check Notarization validity, if any	
To check the Line of Credit, if incorporated in the tender.	

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PROFORMA – 6

FORMAT FOR CERTIFICATE OF COMPLIANCE OF FINANCIAL CRITERIA

Ref: Clause No. B - Financial Criteria of the BEC

Tender No.: _____

I ……. the authorized signatory(s) of ……. (Company or firm name with address) do hereby solemnly affirm and declare as under:-

The balance sheet/Financial Statements for the financial year _____ (as the case may be) has actually not been audited as on the Original Bid closing Date.

Place :……

Date :…… Signature of the authorized signatory

Note: This certificate are to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date.

PROFORMA - 7

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

TO BE ISSUED BY PRACTISING **CHARTARD ACCOUNTANTS' FIRM** ON THEIR LETTER HEAD

TO WHOM IT MAY CONCERN

This is to certify that the following financial positions extracted from the audited financial statements of M/s.....(Name of the bidder) for the last three (3) completed accounting years upto..... **(as the case may be)** are correct

YEAR	TURN OVER In INR (Rs.) Crores/ US $ Million) *	NET WORTH In INR (Rs.) Crores / US $ Million) *

***Rate of conversion (if used any): USD 1.00 = INR .....

Place:
Date:

Seal

Membership No:
Registration Code:

Signature

NOTE: As per the guidelines of ICAI, every practicing CA is required to mention Unique Document Identification Number (UDIN) against each certification work done by them. Documents certified by CA without UDIN shall not be acceptable.

PROFORMA – 8

PARENT/ ULTIM ATE PARENT/ HOLDING COMPANY'S CORPORATE GUARANTEE TOWARDS FINANCIAL STANDING (Delete whichever not applicable)

(TO BE EXECUTED ON COMPANY'S LETTER HEAD)

DEED OF GUARANTEE

THIS DEED OF GUARANTEE executed at ..... this ..... day of ..... by M/s .....(mention complete name) a company duly organized and existing under the laws of ..... (insert jurisdiction/country), having its Registered Office at .....herein after called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their Tender No..... for.....and M/s.....(Bidder) intends to bid against the said tender and desires to have Financial support of M/s..... [Parent / Ultimate Parent/Holding Company(Delete whichever not applicable)] and whereas Parent/Ultimate Parent/Holding Company(Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the Financial support as required by the bidder for qualifying and successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed by the Guarantor to give this Guarantee and undertakes as follows:

1. The Guarantor confirms that the Bidder is a 100% subsidiary of the Guarantor.
2. The Guarantor agrees and confirms to provide the Audited Annual Reports of any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
3. The Guarantor have an annual financial turnover of minimum INR..... Cr or USD ..... during any of the preceding 03(three) financial/ accounting years reckoned from the original bid closing date.
4. Net worth of the Guarantor is positive for preceding financial/ accounting year.
5. The Guarantor undertakes to provide financial support to the Bidder for executing the project/job, in case the same is awarded to the Bidder.
6. The Guarantor represents that:

(a) this Guarantee herein contained shall remain valid and enforceable till the

satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Bidder.
(b) the liability of the Guarantor, under the Guarantee, is limited to the 100% of the order value between the Bidder and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Bidder.
(c) this Guarantee has been issued after due observance of the appropriate laws in force in India.
(d) this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of New Delhi, India.
(e) this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
(f) the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

for and on behalf of (Parent / Ultimate Parent / Holding Company) (Delete whichever not applicable) Witness: 1. 2.	for and on behalf of (Bidder) Witness: 1. 2.

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********** **END OF ANNEXURE – B** **********

ANNEXURE-F

TECHNICAL & COMMERCIAL CHECK LISTS

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.

A) TECHNICAL CHECKLIST

Not Applicable.

B. COMMERCIAL CHECKLIST:

Sl#	REQUIREMENT	COMPLIANCE
1.0	Whether quoted as manufacturer?	Yes / No
2.0	Whether quoted as OEM Dealer / Supply House etc. To Specify-	Yes / No
2.1	If quoted as OEM Dealer / Supply House. (a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Dealer / supply House for the product offered ?	Yes / No
2.2	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	Yes / No
2.3	**Whether all documents have been submitted as required for fulfilling Experience criteria clause of BRC-Technical.**	Yes / No
3.0	Name of Manufacturer.	
4.0	Place of Despatch.	
5.0	Local content amount and percentage. Details of locations at which the local value addition is made.	
6.0	Whether you are quoting under PP-LC or MSME policy.	
7.0	Whether Integrity Pact with digital signature uploaded (if applicable as per Additional Terms and Conditions) ?	
7.1	Whether all the clauses in the Integrity Pact have been accepted?	

8.0	Name, Address, Phone No & E-mail id of Bidder.	
9.0	**Whether indicated 'Local Content' required as per PPLC Policy?**	
9.1	**Whether indicated the import content in Price Bid?**	
10.0	Whether The Bidder has got the various documents required against BEC/BRC of the tender verified and certified by anyone of the Independent Inspection Agencies for Document verification and has submitted the duly certified documents alongwith the Inspection Certificate issued by the Inspection Agencies as part of their Technical Bids.	
10.1	Whether The Bidder has submitted the Undertaking from Independent Inspection Agencies for Document Verification as per (Proforma – 11) alongwith the Technical bid.	

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Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Consignee ID	ZipCode	Delivery Period (In number of days)	Unit Price (Inclusive of TAX)	GST % Applicable	Brand	Model	HSN Code
1	SIMULATOR	FIXED TYPE FULL SIZE DRILLING & WELL CONTROL SIMULATOR	1	Number	oil.dul.mat.con3.c_p	786602	270					