NOTICE INVITING EXPRESSION OF INTEREST (EOI) FOR LEASING/ CHARTERED HIRING OF ONGC OWNED DRILLSHIP "MODU SAGAR BHUSHAN- IMO-8407266"

1. **Introduction**

Oil and Natural Gas Corporation Ltd. (ONGC), India's premier national E&P company with comprehensive in-house capabilities across the oil & gas value chain, invites Expressions of Interest (EOI) from global E&P operators and offshore drilling contractors for the leasing / chartered hiring of its drillship MODU Sagar Bhushan.

ONGC is pleased to invite expressions of interest from Global E&P companies and Rig Contractors for leasing/chartered hiring of MODU SAGAR BHUSHAN (IMO-8407266).

The drillship is immediately available, fully equipped, and presents an excellent opportunity for companies looking to augment their offshore drilling fleet.

2. **Details of the Rig:**

Drillship SAGAR BHUSHAN is an eight-point Anchor moored floater Rig with dedicated station keeping system capable of operating at a water depth of 1000ft. The Rig was built by Hindustan Shipping Ltd, Visakhapatnam, India and commissioned in March 1987.

Description	**Sagar Bhushan**
Hull No	1181
Year Of Built	1987
Built At	Hindustan Shipyard Limited, Vishakhapatnam
Classification	Indian Register of Shipping - (IRS) SUL – Drilling Ship + IY
Gross Rated Tonnage	11,103 ton
Net	3,331 ton
Accommodation	104 Persons
Maximum Transit speed	10 knots
Call Sign	ATEI
IMO	8407266
Propulsion	Twin Screw With 4 Blade Fixed Pitch Propellers, With Four DC Motors of 1000 HP Each
Steering Gear	2 Nos. Electro-Hydraulic Piston Type Max Hull Torque – 13 Ton Mts
Principal Particulars:	Length Overall 145.85 Mts, Length between Perpendiculars 136.80 Mts, Length @ 96% Lwl & @ 85% Moulded length 137.87, Breadth Moulded 24.5 Mts, Depth Moulded 11.2 Mts, Assigned Draft Extreme 6.72 Mts
Anchors	Make: Bruce 15 T- 8 Nos

A. MAJOR EQUIPMENT SPECIFICATIONS	
Rig type	Drilling vessel
Unit/Design/Shape	Gusto Pelican Class Enhanced
Unit flag	Indian
Port of registry	Mumbai
Call sign	ATEI

IMO number	8401183
Unit classification	Indian Register of Shipping - (IRS) SUL – Drilling Ship + IY
Year of construction	1985
Construction Yard:	Hitachi Zosen, Osaka
Hull no	K1052
Principal Particulars	Length Overall 145.85 Mts, Length between Perpendiculars 136.80 Mts, Length @ 96% Lwl & @ 85% Moulded length 137.87, Breadth Moulded 24.5 Mts, Depth Moulded 11.2 Mts, Assigned Draft Extreme 6.72 Mts
A.1 MAIN DIMENSIONS / TECHNICAL SPECIFICATIONS	
Deadweight (light ship): Mt	8160 T
Displacement	17399T
Gross Tonnage Mt	11103 T
Net tonnage Mt	3331
Draft at loadline (deepest):	6.7 m
Overall length of unit	136.7973 M
Overall width of unit	24.4998 M
Depth	11.1984 M
Fuel Consumption (avg drilling) KL/day	8 -9 KL
Accommodation capacity	120 personnel
A.2 STORAGE CAPACITIES	
Fuel oil tanks capacity	2122.80 M^3 -------1671 MT
Lube oil tanks capacity	106.04 M^3 -------- 94 MT
Drill water tank capacity	1617.58 M^3 -------- 1618 MT
Pot water tanks capacity	787.67 M^3 -------- 788 MT
Ballast tanks capacity	4547.16 M^3 -------- 4661 MT
Active liquid mud	274 M^3
Reserve liquid Mud	265 M^3
Baryte bulk storage	225 M^3
Cement bulk storage	225 M^3
A.3 PROPULSION	
Shafts: nos	2
Motors per shaft	2
Motors make/type	General Electric 5 OD 400LA100 A002 ,750 VDC 1000 HP
Total HP per shaft:	1950 HP
Propeller type (fixed/variable blade):	Fixed
A.4 OPERATIONAL CAPABILITIES	
Maximum designed water depth capability: m	300 m
Transit speed towed (historical avg.): kts	NA
Transit speed self-propelled kts	5
A.5 ENVIRONMENTAL LIMITS	

Drilling Max. wave height m Max. wave period sec Max. heave (double amplitude) m Max. pitch (double amplitude) degrees Max. roll (double amplitude) degrees	 4.25M 5-7 Sec 6 M 7º 7 º
Design Criteria Max. wave height m Max. wave period sec Max. wind velocity kts	 4.25M 5-7 Sec 105 Knots
A.6 MOORING SYSTEM	
A.6.1 Anchor Winches	
Quantity nos	8
Make/model	Nippon Pusnes, Mooring Drum: Double Drum 75/36 tons @ 16.6/33.3 m/min (high speed step) 250/120 tons @ 5/10 m/min (low speed step)
Type (Electric/hydraulic/diesel)	Electric Motor – 300 KW
A.6.2 Fairleads	
Quantity: no.	8
Make:	Nippon Pusnes,
Free rotating range:	360 Degree
A.6.3 Anchors	
Quantity:	8
Make	Bruce Twin Shackle
Weight:	15 T
A.6.4 Anchor Lines	
Quantity:	8
Make:	Usha martin
Length/Diameter	2400 M / 76 mm
A.6.5 Anchors Line Running & Retrieval System	
Primary type (pennant-buoy or chaser):	Chaser pendant
A.7 MARINE LOADING HOSES	
Locations of loading manifolds (port/stbd/both):	Both
A.7.1 Mud Hose	
Quantity: no	02
Size:	3”x 85 feet x 5000 psi
Make/type:	Phonix + Dunlop
Color coding: yes/no	No
Make/type connection:	4” weco x 5000psi
A.7.2 Cement Hose	
Quantity: no	01
Size:	2” x 70 feet x 10000 psi
Make/type:	

Color coding: yes/no	NO
Make/type connection:	/WECO 1502
A.8 CRANES, HOISTS & MATERIALS HANDLING	
A.8.1 Cranes, Revolving, Main	
Quantity:	2
Make:	National (OS435E)
Type:	Hydraulic Pedestal
Location (stbd,port,aft, fwd):	STBD-FWD (1 Nos) & AFT-PORT (1 Nos)
Boom length	100 Ft
Load/radius	1. Port Crane (Main Block): 50 TONS @ 7.62 M RADIUS(RATED-STATIC) 2. STBD Crane (Main Block): 63 TONS @ 7.62 M RADIUS (RATED-STATIC) 3. Port Crane (Whip Block): 7.44 TONS @ 9.14 M RADIUS(RATED-STATIC) 4. STBD Crane (Whip Block): 7.44 TONS @ 9.14 M RADIUS(RATED-STATIC)
A.8.2 Pipe hold Crane	
Quantity no.	2
Make	Sekigahara Seisakusho Ltd.
Type:	Bridge
Rated capacity	2.5 T + 2.5 T
A.8.3 Forklifts	
Quantity no.	1
Make	Godrej
Type:	Battery operated
Rated capacity	3 T
A.8.4 Monorail Overhead Cranes	
Quantity no.	7
Make	Elephant
Rated capacity	0.5 to 2.5 T
A.8.5 Air Hoists/Derrick Winches	
Quantity: no.	14
Make:	INGERSOL RAND
Type:	Air
Model	FA5/FA& FA7
A.9 HELICOPTER LANDING DECK	
Type Aluminium	Steel
Dimensions: m x m	22 X 22 Octagonal
Perimeter safety net: yes/no	Yes
Load capacity: mt	12 T
Designed for helicopter type:	MIL MI-8
Tie down points: yes/no	Yes
Covered by foam fire system: yes/no	Yes 2 fire monitors

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<tr><td>Helideck lighting to aviation specification as required by country of operation: yes/no</td><td>Yes</td></tr>
<tr><td>A.9.1 Helicopter Refueling System</td><td>No</td></tr>
<tr><td colspan="2">A.10 Steering Gear</td></tr>
<tr><td>Make</td><td>Hitachi Zosen</td></tr>
<tr><td>Type</td><td>Electrohydraulic Steering Gear. Model – P-13V</td></tr>
<tr><td colspan="2">A.11 Drilling Equipment</td></tr>
<tr><td>A.11.1 Drawworks</td><td>NOV, 1625DE (Qty-1 Nos) – 3 Motors (1000 HP Each GE Make)</td></tr>
<tr><td>A.11.2 BOP</td><td>NOV Shaffer 18-3/4” 10,0000 psi , 4 Rams ,2 Annulars</td></tr>
<tr><td>A.11.3 BOP Control system</td><td>NOV Shaffer 3000 psi</td></tr>
<tr><td>A.11.4 Riser Tensioners</td><td>Brown Brothers 80K Duplex (4 sets)
Capacity: 80000 lbs each, 50 ft. line travel</td></tr>
<tr><td>A.11.5 Diverter</td><td>Vetco</td></tr>
<tr><td>A.11.6 Riser System</td><td>
<table>
<tr><td>Riser</td><td>Make</td><td>Type</td><td>Length</td></tr>
<tr><td>50’</td><td>VETCO</td><td>HMF,21” OD,50FT LENGTH.</td><td>TOTAL-150M (Current)</td></tr>
<tr><td>TELESCOPIC JOINT</td><td>VETCO</td><td>HMF 21” X 0.625</td><td>45FT STROKE length</td></tr>
<tr><td>PUP JOINT</td><td>VETCO</td><td>21” OD X 0.625(THICKNESS) HMF</td><td>33.54M</td></tr>
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<tr><td>A.11.7 Drill string motion compensator</td><td>Konsberg,400 K</td></tr>
<tr><td>A.11.8 Mud Pump</td><td>NOV, 12P160(Qty-2 Nos)- 2 Motors/Unit (1000 HP Each-GE Make)
5000 psi</td></tr>
<tr><td>A.11.9 Cement Pump</td><td>NOV, (Qty-2 Nos) - 1 Motors/Unit (1000 HP-GE Make)</td></tr>
<tr><td>A.11.10 Rotary</td><td>NOV, C495, (Qty-1 Nos) -1 Motors (1000 HP-GE Make)</td></tr>
<tr><td colspan="2">A.12 Main Power Packs</td></tr>
<tr><td>A12.1 ENGINE</td><td>Daihatsu (6DK-28e) 6 Cylinder
<table>
<tr><td>Engine model</td><td>6DK-28e</td></tr>
<tr><td>Quantity of cylinders</td><td>6</td></tr>
<tr><td>Cylinder bore x Piston stroke</td><td>280 mm x 390 mm</td></tr>
<tr><td>Engine rated output</td><td>2080 kW</td></tr>
<tr><td>Engine speed</td><td>720 min^{-1}</td></tr>
<tr><td>Mean effective pressure</td><td>2.41 MPa</td></tr>
<tr><td>Mean piston speed</td><td>9.36 m/s</td></tr>
<tr><td>Maximum pressure</td><td>≦17.7 MPa</td></tr>
<tr><td>Overload capacity</td><td>110% for an hour every 12 hours</td></tr>
<tr><td>Lube oil consumption</td><td>0.8g/Kwh (estimate at full load)</td></tr>
<tr><td>Fuel oil consumption *1)</td><td>192 g/kWh +5% with pumps</td></tr>
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<tr><td>Generator capacity</td><td>2785.7 kVA</td></tr>
<tr><td>Generator rated output</td><td>1950 kW</td></tr>
<tr><td>Power factor</td><td>0.7 lagging</td></tr>
<tr><td>No. of poles</td><td>10</td></tr>
<tr><td>Voltage Phase Frequency</td><td>AC 600 V 3-phase 60 Hz</td></tr>
<tr><td>Insulation</td><td>Class F</td></tr>
<tr><td>Quantity of DG set</td><td>Four (4) sets/ship</td></tr>
<tr><td>Parallel running</td><td>Fellow D/Gs</td></tr>
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</td></tr>
<tr><td>A12.2 ALTERNATOR</td><td>Hyundai (HFC7 712-10P)
2785.7 kVA, 10P, 600V, 60Hz</td></tr>
<tr><td>A12.3 TURBOCHARGER</td><td>ABB-TPS61-F32</td></tr>
<tr><td>A12.4 GOVERNOR</td><td>Zexel-RHD10-MC</td></tr>
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3. Rig performance :

Well Drilled after Dry Dock 2023 &2024:

Year	Wells drilled	Meterage
2023	2	2997
2024	3	8927

4. Major Dry Dock and upgradation details in the last 20 years:

Year	Drydock Type	Upgrade job
2023	Hindustan Shipyard Limited, 7th Special Hull & Machinery survey	Upgrade to MODU 1989 and MOH/Inspection of all critical equipments

5. Present status:

Rig SAGAR BHUSHAN is currently berthed at DIGHI PORT (Raigad District, Maharashtra, India) in cold layup status w.e.f. 20.05.2025. The Dry Dock of the vessel was carried out in 2023.The Rig is currently in operational condition with propulsion systems working for sailing away from Port.

The rig is available is available with all the manpower and riser systems.

6. Objectives of EOI:

The purpose of this EOI is to invite applications, from prospective Global E&P company/ operators for MODU SAGAR BHUSHAN for leasing or Chartered hiring.

Prospective companies to confirm the following:

a) Company profile
b) Number of Rigs in operation at present
c) Documentations required from ONGC side for chartered hiring/leasing of the Rig for E& P activities
d) Any other requirements/clarifications from ONGC side

The prospective operators also need to come out with a detailed scope for discussion regarding the use of Rig Sagar Bhushan for E& P activities

7. Submission Requirements

Interested parties are requested to submit the following information as part of their EOI:

Company profile and financial capability:	
Intended use and capability to operate or refurbish the rig.	
Current ownership of Drilling Rigs (if any)	
Proposed timeline for requirement of Rig	

8. Contact details:

Participants to EOI are requested to submit their detailed proposals, addressed to ED-CDS(DW), email ID- hembram_uttam@ongc.co.in /sengupta_soham@ongc.co.in

Contact Person:

1) Uttam Prakash Hembram -Rig Manager, SAGAR BHUSHAN
2) Soham Sengupta- Engg Supdt, SAGAR BHUSHAN

9. General Notes

1. ONGC reserves the right to accept, reject or modify the suggestions presented/submitted against the EOI while formulating the technical specifications and scope of work for the tender.

2. It is to be noted that mere response or enlistment through the EOI does not guarantee award of contract. The award of the contract(if any) will depend on ONGC laid down procedures/guidelines only.

3. No payment shall be made towards preparation/presentation/submission in connection with EOI.

4. This invitation for EOI is not a part of any tendering process.

The Original EOI copy is also appended below for ready reference also published in website https://tenders.ongc.co.in