



**OIL INDIA LIMITED**  
**(A Government of India Enterprises)**  
**KG Basin Project, D.No. 11-4-7, 3<sup>rd</sup> Floor**  
**Nookalamma Temple Street, Ramaraopet**  
**Kakinada-533004,**  
**Andhra Pradesh (India)**

**TEL. NO: (91-884) 2302176**  
**FAX NO: (91-884) 2352382**  
**Email: kgbasin@oilindia.in**

**TENDER NO. SEG0309L16**

**DATE: 20.02.2016**

**FORWARDING LETTER**

Dear Sirs,

OIL invites Bids for supply of **PDC Bits** for its operations in KG Basin through **E-Procurement Portal**. The details of the tender are as under:

1. Details of items with specifications & quantities: Refer Annexure-I.
2. General terms and Conditions of the tender are as per attached document No. MM/GLOBAL/E-01/2005 and its Addendum.
3. The prescribed Bid Forms for submission of bids are available in the tender document folder. Technical Checklist and Commercial Checklist vide Annexure IV must be filled-up and submitted along with the technical bid.
4. Type of Bidding : **Single Stage - Composite Bid System**
5. Bid security : **Not Applicable**
6. Performance Security : **Applicable @ 10 % of order Value.**  
(Bidder to confirm submission of Performance Guarantee while quoting)
7. Bid Closing / Opening Date & Time : **As mentioned in Basic data of E-tender**
8. **Bid Validity** : Bid should be valid for **120 days** from Bid Closing date.
9. **Bid Opening Place** : **Oil India Limited, KG Basin Project, Door No. 11-4-7 (3<sup>rd</sup> Floor), Nookalamma Temple Street, Ramaraopeta, Kakinada-533004, Andhra Pradesh, India**

**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).
- 2.0 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.
- 3.0 **All the Bids must be Digitally Signed using “Class 3” digital certificate (ecommerce application) with organisation name as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.**
- 4.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time failing which the offer shall be rejected.
- 5.0 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.
- 6.0 **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. 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.

Yours Faithfully,  
OIL INDIA LIMITED

**Sd/-**  
**(B. Brahma)**  
**Senior Purchase Officer**  
**For Head-Materials (KGB&BEP)**  
**For Executive Director (KGB&BEP)**

**ANNEXURE – I****TECHNICAL SPECIFICATIONS WITH QUANTITY:**

<b>Item No./ Mat. Code</b>	<b>Material Description</b>	<b>Quantity</b>	<b>UOM</b>
<b>10</b> 05037273	<p>PDC BIT</p> <p>Poly Crystalline Diamond Compact Bit (Equivalent to IADC: M-322) Bit Size : 311.15 mm (12.1/4") Pin Size : 168.275 mm (6-5/8") API Regular</p> <p>Feature: MATRIX Body, Replaceable nozzles, PDC cutter with high thermal mechanical integrity, Gauge protection features (Thermally Stable Diamond inserts on the gauge), Low torque feature (Depth of Cut control elements at every blade), Low Exposure Cutter, impact arrestors, back reaming cutters on gauge pads on each blade and spiral gauze pad.</p> <p>Total cutter count: 35 or more Number of cutter Blades: 05 or more Cutter Size: 19 mm</p> <p>Cutter Type: New Generation Premium cutters like Rockstorm / Onyx-II / Stay Sharp / Select TMI / Helios Inferno Gauge Length: Around 3 inches</p> <p>Junk Slot Area, in square inch: Minimum 29 Number of nozzles: 8 or more for efficient hole cleaning</p> <p>Replaceable Nozzles Size: As per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.</p> <p>Bit should be suitable to drill formations whose compressive rock strength varies from 2000 to 9000 psi in depth range from 1500 meters to 3500 meters and should be compatible to following Drilling Parameters (Bidder to provide documentary evidence in the form of minimum 20 bit runs): a) Rotational Speed: 50-300 RPM (i.e. suitable for rotary, SDMM and RSS) b) Flow Rate: 500-1200 GPM. c) WOB: 3-18 Ton. d) Hydraulic Horse Power: 1 to 6 (indicative figure)</p> <p>Each PDC Bit to be supplied with following</p>	3	NO

	<p>Accessories:</p> <p>1) One Set of extra nozzles complete with required 'O' Rings, circlips etc.</p> <p>2) One set of Nozzles Replacement Kit.</p> <p>3) One no. of Bit Breaker</p>		
<p><b>20</b></p> <p>05037290</p>	<p>12.1/4" OD, Matrix Body Polycrystalline Diamond Compact Bit</p> <p>Bit Size: 311.15 mm (12.1/4")</p> <p>Pin Size: 168.275 mm (6-5/8") API Regular</p> <p>Feature: MATRIX Body, Replaceable nozzles, PDC cutter with high thermal mechanical integrity, Gauge protection features, Low torque feature, Centrally placed Conical Diamond Element or impact arrestors, premium hard facing (2X or more) on the bit body, anti-balling coating and back reaming cutters on gauge pads on each blade.</p> <p>Total cutter count: 60 or more (+ Conical Diamond Element preferred)</p> <p>Number of cutter Blades: 06</p> <p>Cutter Size: 16mm</p> <p>Cutter Type: New Generation Premium cutters like Rock storm/Onyx/Stay Sharp/ Select/ Helios Inferno</p> <p>Gauge Length: Around 3"</p> <p>Junk Slot Area, in square inch: Minimum 30</p> <p>Numbers of nozzles: 8 or more for efficient hole cleaning</p> <p>Replacement Nozzles Size: As per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics.</p> <p>Bit should be suitable to Medium Hard Formation (Compressive Rock Strength of 25000 PSI) consisting of sand stone, silt stone, shale etc. in depth range from 3500 meters to 5000 meters and should be compatible to following Drilling Parameters:</p> <p>a) Rotational Speed: 50-300 RPM (i.e. suitable for rotary, down hole motors and RSS)</p> <p>b) Flow Rate: 500-1200 GPM.</p> <p>c) Mud Density: 9 to 12ppg</p> <p>d) WOB: 2-20 Ton</p> <p>Each PDC Bit to be supplied with following accessories:</p> <p>1. Set of extra nozzles complete with required 'O'</p> <p>Rings, circlips etc. based on hydraulic design.</p>	4	NO

	2. Set of Nozzles Replacement Kit. 3. Bit Breaker for above Kit.		
<b>30</b> 05037230	<p>PDC BIT</p> <p>8.1/2" OD, Matrix Body Polycrystalline Diamond Compact Bit. Bit Size: 215.9mm(8.1/2") Pin Size: 4.1/2" Regular Feature: MATRIX Body, Replaceable nozzles, PDC cutter with high thermal mechanical integrity, Gauge protection features, low torque feature back reaming cutters on gauge pads on each blade and back-up cutters. Bidder to provide documentary evidence in the form of minimum 20 bit runs from wells drilled in India. Total cutter count: 30 or more. Number of cutter Blades: 05 Cutter Size: 19mm Cutter Type: New Generation Premium cutters like Onyx/Stay Sharp/Select/Helios Inferno. Gauge Length: Around 2" Junk Slot Area, in square inch: Minimum 12 numbers of nozzles: 5 or more for efficient hole cleaning Replacement Nozzles Size: As per manufacturer's standard to meet the drilling parameters stated below for optimum hydraulics. Bit should be suitable to Medium Hard Formation (Compressive Rock Strength up to 15,000 PSI) should be compatible to following Drilling Parameters:</p> <p>a) Rotational Speed: 50-300 RPM (i.e. suitable for rotary, down hole motors and RSS) b) Flow Rate: 350-600 GPM c) WOB: 2-14 Ton</p> <p>Each PDC Bit to be supplied with the following accessories:</p> <p>1. Set of extra nozzles complete with required 'O' Rings, Circlips etc. - 01 Set. 2. Set of Nozzles Replacement Kit - 01 No. 3. Bit Breaker for above Kit - 01 No.</p>	2	NO
<b>40</b> 05037245	<p>POLY CRYSTALLINE DIAMOND COMPACT(PDC) BIT, SIZE: 8.1/2"</p> <p>Matrix body with 6 blades, 16mm primary cutters along with back up cutters and replaceable nozzles with gauge pad protection. The bit shall be suitable for Directional Drilling application. Connection: 4.1/2" API Regular pin and complete with set of nozzles as per hydraulic</p>	2	NO

	<p>design.</p> <p>Each PDC Bit to be supplied with the following accessories:</p> <p>(a) Set of extra nozzles of different sizes based on hydraulic design.</p> <p>(b) Nozzles replacement kit.</p> <p>(c) Bit breaker for above bit: 1 no.</p> <p><b>Note:</b></p> <p>1) Bidders to provide the bit required for medium to medium hard formation. Lithology: Mainly claystone with siltstone and sandstone.</p> <p>2) Bidder to provide the recommended bit.</p> <p>3) Bidder to provide recommended drilling parameters.</p> <p>4) Additional information for bit hydraulics calculation:</p> <p>a) 9.5/8" x 47 ppf csg</p> <p>b) Mud type: Water based mud</p> <p>c) Mud wt.: 9.6 ppg - 11 ppg.</p> <p>d) PV = 12-20 Cp; YP = 18-20lbs/100 sq. ft.</p>		
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**SPECIAL NOTES:**

- 1.0 BIDDER TO PROVIDE VALID API CERTIFICATE ALONGWITH THE QUOTATION.
- 2.0 The tender is invited under **SINGLE STAGE-COMPOSITE BID SYSTEM**. The bidder has to submit both the "TECHNO-COMMERCIAL" and "PRICE" bids through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The Techno-commercial Bid is to be submitted as per Scope of Work & Technical Specification of the tender and price bid as per the Online Price Bid format.
- 3.0 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).
- 4.0 The prescribed Bid Forms for submission of bids are available in the Technical Rfx -> External Area - > Tender Documents. Technical Checklist and Commercial Checklist vide Annexure IV must be filled-up and submitted along with the technical bid.
- 5.0 The items covered by this tender shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Custom Duty during import will be applicable. **However, Deemed Export Benefit for domestic bidders is not applicable against this tender.** Domestic bidders to quote their prices without considering the

deemed export benefit. Domestic bidders to also quote the applicable rate of Excise duty in their price bids. If a domestic bidder emerges L1 after loading of applicable rate of Excise duty, order shall be placed upon the bidder inclusive of the excise duty amount.

- 6.0 Bidders have to indicate the minimum FOB/FCA charges in case of partial order for reduced quantity/items. In case this is not indicated specifically, the charges quoted would be prorated calculated and the same will be binding on the bidder.
- 7.0 Please mention clearly in your quotation the Net Weight, Gross Weight & Volume, Indian Agent's Name and its Commission, Payment Terms, Ocean Freight/Air Freight Charges, Port of Loading, Delivery period, Country of origin with manufacturer's name, etc.
- 8.0 Price should be maintained in the "online price schedule" only. The price quoted in the "online price schedule" will only be considered.
- 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.
- 10.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.
- 11.0 All the Bids must be Digitally Signed using "Class 3" digital certificate (e-commerce application) with organisation name as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.
- 12.0 **The techno-commercial bid should be submitted in “Technical Rfx Response”, while the prices are to be quoted in the online price format under “Conditions” tab”.**
- 13.0 **Delivery Schedule:** Preferably within 10 (ten) weeks. Bidders to confirm acceptance of the same while submitting their bid or to quote their best delivery schedule.

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**TENDER ENQUIRY HAS BEEN ISSUED TO THE FOLLOWING VENDORS:**

<b>Vendor No.</b>	<b>Vendor Name</b>
100638	BAKER HUGHES SINGAPORE PTE
101780	HALLIBURTON EXPORT INC
102444	NOV DOWNHOLE EURASIA LIMITED
102756	SMI OILFIELD TECHNOLOGY AND PRODUCT