



**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. SEG0310L16**

**DATE: 20.02.2016**

**FORWARDING LETTER**

Dear Sirs,

OIL invites Bids for supply of **Rock 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> 05030177	ROCK BIT, SOFT FORMATION, JET CIRCULATION, TRI-CONE, NON-SEALED BEARING, MILLED TOOTH TYPE, BEARING API MONOGRAM AS PER API SPEC.7-1 IADC: 1-1-1 Bit Size: 660.40 mm (26") PIN Size: 193.675 mm (7.5/8") API Regular  Nozzles: 22/32" – 2 Sets 24/32" – 2 Sets 26/32" – 2 Sets (1 Set = 3 Nos. of Nozzles ) Total 6 sets for 2 Nos. of Bits  Special features of the bit: Bit to have a Standard Centre Jet & size of the jet has to be mentioned while quoting.	2	NO
<b>20</b> 05030155	I.A.D.C.: 1-1-1 Varel: L3A Reed: YT3A Security: S3S Smith: DS Bit Size: 444.50 mm (17.1/2") Pin Size: 193.675 mm (7.5/8") API Regular  Nozzles: 20/32" – 4 Sets 22/32" – 4 Sets 24/32" – 4 Sets (1 Set = 3 Nos. of Nozzles ) Total 12 sets for 4 Nos. of Bits	4	NO
<b>30</b> 05033199	ROCK BIT, SOFT FORMATION, JET CIRCULATION, TRI-CONE SEALED BEARING, MILLED TOOTH TYPE BEARING API MONOGRAM AS PER API SPEC.7  MAKERS' TYPE DESIGNATION - APPROX. EQUIVALENTS Hughes: X3 Security: S33 Smith: SDT Reed: ST3 New Reed: S12 I.A.D.C.: 1-2-4 SMF France: ES3 TSK Japan: 35-Z Bit Size: 17.1/2"	7	NO



	<p>ring circlips etc.)</p> <p>Centre Jets: 22/32" – 5 Nos.  24/32" – 10 Nos.  26/32" – 5 Nos.  Total 20 Nos. for 10 Nos. of Bits</p>		
<p><b>60</b> 05033076</p>	<p>17 ½ inches High Performance TCI Roller Cone Bit (IADC Code: 4-4-5) Maker's Type Designation: Similar or equivalent to Model-GS18BVCPS of Smith Bits/ Model-MXL-03 of Baker Hughes.</p> <p>Drill Bits IADC:4-4-5 (Suitable for both Rotary and motor application with minimum Krev of around 1000) - Bidder to provide documentary evidence in the form of minimum 20 bit run records, out of which at least five such records should be from wells drilled in Indian sub-continent, for supplementing the Krev.  Rotary Speed, RPM: 50-300  WOB: 15,000-60,000 lbf (7-27 tonnes)  Flow Rate: 500 GPM-900 GPM  Bit Size: 17 ½" (444.5mm)  Pin Size: 7.5/8" API Regular</p> <p>The Bit should be designed with the following minimum features:</p> <ol style="list-style-type: none"> <li>1) Directed nozzles for engineered hydraulic (For optimal cleaning efficiency).</li> <li>2) Centre Jet feature to avoid balling.</li> <li>3) Twin seals or metal seals bearing package.</li> <li>4) Tungsten carbide inserts on Heel/Surf area of the bit.</li> <li>5) Raised tungsten carbide inserts on shirrtail/arm for providing protection in directional drilling application and abrasive environment. Semi round top tungsten carbide inserts leg back protection.</li> </ol> <p>Bits to be supplied with the nozzles (with all accessories) of following sizes:  20/32" – 5 Sets,  22/32" – 5 Sets,  24/32" – 5 Sets,  26/32" – 5 Sets  (1 set = 3 nos. nozzles)  Total 20 Sets for 5 Nos. of Bits</p> <p>Bits to be supplied with Centre Jet Nozzle (with all accessories) of following: sizes:  20/32" – 5 Nos.  22/32" – 5 Nos.  24/32" – 5 Nos.  26/32" – 5 Nos.  Total 20 Nos. for 5 Nos. of Bits</p>	5	NO

<b>70</b> 05030474	TRI-CONE, MILLED TOOTH, SOFT FORMATION, JET CIRCULATION, FRICTION SEALED BEARING TYPE ROLLER BIT WITH GAUGE PROTECTION AND HAVING API MONOGRAM AS PER API SPEC. 7-1  Bit Size: 311.15 mm (12.1/4") Pin Size: 168.275 mm (6.5/8") API Regular I.A.D.C.: 1-2-7 Nozzles : 16/32" – 2 Sets 18/32" – 4 Sets 20/32" – 4 Sets 22/32" – 4 Sets (1 Set = 3 Nos. of Nozzles ) Total 14 Sets for 4 Nos. of Bits	4	NO
<b>80</b> 05035562	ROCK BIT, SOFT FORMATION, JET CIRCULATION, TRI-CONE, INSERT TOOTH, API MONOGRAM AS PER API SPEC. 7-1 MAKERS' TYPE DESIGNATION - APPROX. EQUIVT.  I.A.D.C.: 4-3-7 Hughes: ATJ-11/ATJ-11S Reed: HP43A Smith: F1 Security: S82F Bit Size: 311.15 mm (12.1/4") Pin Size: 168.28 mm (6.5/8") API Regular Nozzles: 16/32" – 8 Sets 18/32" – 15 Sets 20/32" – 15 Sets 22/32" – 15 Sets (1 Set = 3 Nos. of Nozzles ) Total 53 Sets for 15 Nos. of Bits	15	NO
<b>90</b> 05033070	12.1/4 inches High Performance TCI Roller Cone Bit (IADC Code: 4-3-7) Maker's Type Designation: Similar or equivalent to Model-GF10BVCPS of Smith Bits/ Model-MXL-09 of Baker Hughes. Drill Bits IADC:4-3-7 (Suitable for both Rotary and motor application with minimum Krev of around 1000) - Bidder to provide documentary evidence in the form of minimum 20 bit run records, out of which at least five such records should be from wells drilled in Indian sub-continent, for supplementing the Krev.  Rotary Speed, RPM: 50-300 WOB: 25,000-60,000 lbf (11-27 tonnes) Flow Rate: 500 GPM-850 GPM Bit Size: 12 1/4" (311.15mm) Pin Size: 6.5/8" API Regular  The Bit should be designed with the following	4	NO

	<p>minimum features:</p> <ol style="list-style-type: none"> <li>1) Directed nozzles for engineered hydraulic (For optimal cleaning efficiency).</li> <li>2) Centre Jet feature to avoid balling.</li> <li>3) Twin seals or metal seals bearing package.</li> <li>4) Tungsten carbide inserts on Heel/Surf area of the bit.</li> <li>5) Raised tungsten carbide inserts on shirttail/arm for providing protection in directional drilling application and abrasive environment. Semi round top tungsten carbide inserts leg back protection.</li> </ol> <p>Bits to be supplied with the nozzles of following sizes:</p> <p style="text-align: center;">16/32" – 4 Sets, 18/32" – 4 Sets, 20/32" – 4 Sets, 22/32" – 4 Sets (1 set = 3 nos. nozzles) Total 16 Sets for 4 Nos. of Bits</p> <p>Bits to be supplied with Centre Jet Nozzle of following sizes:</p> <p style="text-align: center;">14/32" – 4 Nos. 16/32" – 4 Nos. 18/32" – 4 Nos. 20/32" – 2 Nos. Total 14 Nos. for 4 Nos. of Bits</p>		
<p><b>100</b> 05033073</p>	<p>12.1/4 inches High Performance TCI Roller Cone Bit (IADC Code: 5-1-7) Maker's Type Designation: Similar or equivalent to Model-GF20BVCPS of Smith Bits/ Model-MXL-20 of Baker Hughes. Drill Bits IADC:5-1-7 (Suitable for both Rotary and motor application with minimum Krev of around 1000) - Bidder to provide documentary evidence in the form of minimum 20 bit run records, out of which at least five such records should be from wells drilled in Indian sub-continent, for supplementing the Krev.</p> <p>Rotary Speed, RPM: 50-300 WOB: 25,000-60,000 lbf (11-27 tonnes), Flow Rate: 500 GPM-850 GPM Bit Size: 12 1/4" (311.15mm) Pin Size: 6.5/8" API Regular</p> <p>The Bit should be designed with the following minimum features:</p> <ol style="list-style-type: none"> <li>1) Directed nozzles for engineered hydraulic (For optimal cleaning efficiency).</li> <li>2) Centre Jet feature to avoid balling.</li> <li>3) Twin seals or metal seals bearing package.</li> <li>4) Tungsten carbide inserts on Heel/Surf area of the bit.</li> </ol>	2	NO

	<p>5) Raised tungsten carbide inserts on shirttail/arm for providing protection in directional drilling application and abrasive environment. Semi round top tungsten carbide inserts leg back protection.</p> <p>Bits to be supplied with the nozzles of following sizes:</p> <p style="text-align: center;">16/32" – 2 Sets, 18/32" – 2 Sets, 20/32" – 2 Sets, 22/32" – 2 Sets (1 set = 3 nos. nozzles) Total 8 Sets for 2 Nos. of Bits</p> <p>Bits to be supplied with Centre Jet Nozzle of following sizes:</p> <p style="text-align: center;">14/32" – 4 Nos. 16/32" – 4 Nos. 18/32" – 4 Nos. 20/32" – 2 Nos. Total 14 Nos. for 2 Nos. of Bits</p>		
<p><b>110</b> 05036109</p>	<p>ROCK BIT, SOFT FORMATION, JET CIRCULATION, TRI-CONE, JOURNAL BEARING, INSERT TYPE BEARING API MONOGRAM AS PER API SPEC.7</p> <p>MAKERS' TYPE DESIGNATION - APPROX. EQUIVALENTS</p> <p>Hughes: J22 Security: S84F Smith: F2 New Reed: FP51 I.A.D.C.: 5-1-7 Bit Size: 12.1/4" Pin Size: 6.5/8" API Reg. Nozzles Size: 16/32" – 6 Sets 18/32" – 6 Sets 20/32" – 6 Sets 22/32" – 6 Sets (1 Set = 3 Nos. of Nozzles ) Total 24 Sets for 6 Nos. of Bits</p>	6	NO



<b>120</b> 05030485	<p>Bit Size : 215.9 mm (8.1/2" Pin Size : 114.3 mm (4.1/2") API Regular I.A.D.C. : 1-1-7 M</p> <p>Nozzle Size: 13/32" – 2 Sets 14/32" – 4 Sets 15/32" – 4 Sets 16/32" – 4 Sets Total 14 Sets for 4 Nos. of Bits (Each set containing 3 nozzles complete with O-ring, circlip or nozzle-housing)</p> <p>Essential Features:</p> <ol style="list-style-type: none"> <li>1) The Bit should be suitable both for Rotary &amp; High speed Motor Drilling in Directional &amp; Horizontal application</li> <li>2) Should have additional Heel protection, Leg &amp; Shirttail Protection and Gauge protection.</li> <li>3) Recommended maximum operating RPM: Not less than 270 RPM.</li> <li>4) Bits are to be manufactured and monogrammed as per API Spec. 7-1</li> </ol>	4	NO
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**Note description for item no./nos.: 10, 20, 30, 70, 80, 110, 120**

- a) Manufacturer must have valid API Spec. 7-1 Certificate and the same is to be forwarded with the offer.
- b) Literature/ Catalogue of the products offered to be submitted with the offer.
- c) Bidder must provide information about the specified Essential Features of the Bit.

**Note description for item no.: 50**

- a) Bidder to provide documentary evidence in the form of minimum 25 bits run records, of the offered bit, for supplementing the Krev.
- b) Bidder to mention categorically about the suitability of the bit for motor application.
- c) Manufacture must have API Spec 7-1 Certificate and the same is to be forwarded with the offer.
- d) Literature/Catalogue of the products offered to be submitted with the offer.
- e) Bidder must provide information about the specified Essential Features of the Bit.
- f) Bits to be monogrammed as per API Specification 7-1.

**COMMON NOTES FOR ALL THE ITEMS:**

- a) All the nozzles shall be supplied along with all accessories like 'O' Rings, Circlips etc.
- b) Nozzle replacement kit is required for all the items (one each).

**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>
100521	TIX-TSK CORPORATION
100638	BAKER HUGHES SINGAPORE PTE
101780	HALLIBURTON EXPORT INC
102444	NOV DOWNHOLE EURASIA LIMITED
102756	SMI OILFIELD TECHNOLOGY AND PRODUCT
102944	VAREL EUROPE S.A.S.
205307	DRILBITS INTERNATIONAL PVT. LTD.