



**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. SEG0311L16**

**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:**

Item No./ Mat. Code	Material Description	Quantity	UOM
<b>10</b> 05033055	<p>12.1/4 inches High Performance Milled Tooth Roller Cone Bit (IADC Code: 1-3-7) beyond 3000 m+</p> <p>Maker's Type Designation: Similar or equivalent to Model-GFDHCPS of Smith Bits/Model-EQHC3GRC of Halliburton.</p> <p>Drill Bits IADC:1-3-7 or 1-3-7W (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: 15,000-45,000 lbf (7-20 tonnes) Flow Rate: 500 GPM-850 GMP Bit Size: 12.1/4" (311.15mm) Pin Size: 6.5/8" API Regular (168.28mm)</p> <p>Nozzles: 18/32" – 12 Sets 20/32" – 12 Sets 22/32" – 12 Sets 24/32" – 12 Sets (Total 48 Sets for 12 Nos. of Bits)</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 (Preferably dual compensation system).</li> <li>4) Oxy-Acetylene Premium full tooth hard facing on each tooth (Cutting structure and gauge).</li> <li>5) Tungsten carbide inserts on Heel/Surf area of the bit.</li> <li>6) 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>	12	NO

<b>20</b> 05033050	<p>8.1/2 inches High Performance Milled Tooth Roller Cone Bit (IADC Code: 1-1-7)</p> <p>Maker's Type Designation: Similar or equivalent to Model - XR+CPSX of Smith Bits / Model - EQHC1GRC of Halliburton Drill Bits</p> <p>IADC: 1-1-7 or 1-1-7W (Suitable for both Rotary and motor application with minimum Krev of around 650)</p> <p>Rotary speed, rpm: 55 - 250 WOB: 12 Klbs - 50 Klbs Flow Rate: 350 gpm - 600 gpm Bit Size: 8.1/2" (215.9 mm) Pin Size: 4.1/2" API Regular (114.3 mm)</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 bit balling</li> <li>3) Twin seals or metal seals bearing package</li> <li>4) Premium full tooth hard facing on each tooth (cutting structure and gauge)</li> <li>5) Tungsten carbide inserts on Heel / Surf area of the bit</li> <li>6) 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="padding-left: 40px;">13/32" – 6 Sets 15/32" – 6 Sets 16/32" – 6 Sets 18/32" – 6 Sets (1 set= 3 nos. nozzles) Total 24 Sets for 6 Nos. of Bits</p> <p>Bits to be supplied with the centre jets of following sizes:</p> <p style="padding-left: 40px;">13/32" – 3 Nos. 15/32" – 3 Nos. 16/32" – 3 Nos. 18/32" – 3 Nos. Total 12 Nos. for 6 Nos. of Bits</p>	6	NO
-----------------------	--	---	----

<b>30</b> 05037797	<p>ROCK BIT, SOFT FORMATION, JET CIRCULATION, TRI CONE, MILLED TOOTH, API MONOGRAM AS PER API SPEC.7-1 IADC: 1-3-7 (Suitable for both Rotary and Motor application with minimum Krev of around 500)</p> <p>Rotary speed, rpm: 55 - 250 Bit Size: 8.1/2" (215.9 mm) Pin Size: 4.1/2" API Regular (114.3 mm)</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 hydraulics (For optimal cleaning efficiency)</li> <li>2) Centre jet feature to avoid bit balling</li> <li>3) Bearing package with Twin seals / metal seals / Duo Lock seals</li> <li>4) Hard facing on each tooth (cutting structure and gauge)</li> <li>5) Tungsten carbide inserts on Heel / Surf area of the bit</li> <li>6) Additional shirttail &amp; gauge protection for high speed directional drilling application for abrasive environment.</li> </ol> <p>Bits to be supplied with the nozzles of following sizes:</p> <p style="padding-left: 40px;">13/32" – 40 Sets 16/32" – 40 Sets 18/32" – 40 Sets 20/32" – 20 Sets (1 set= 3 nos. nozzles) Total 140 Sets for 39 Nos. of Bits</p> <p>Bits to be supplied with the centre jets of following sizes:</p> <p style="padding-left: 40px;">13/32" – 20 Nos. 16/32" – 20 Nos. 18/32" – 20 Nos. 20/32" – 20 Nos. Total 80 Nos. for 39 Nos. of Bits</p>	39	NO
-----------------------	---	----	----

<b>40</b> 05035517	<p>IADC: 4-3-7M(Suitable for both Rotary and Motor application with minimum krev of around 600)  Rotary Speed, rpm: 50-250  Bit Size: 8.1/2" (215.9 mm)  Pin Size: 4.1/2" API Regular (114.3 mm)</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 hydraulics (For optimal cleaning efficiency).</li> <li>2. Centre jet feature to avoid bit balling.</li> <li>3. Bearing package with Twin seals/metal seals/Duo Lock seals.</li> <li>4. Oxy-Acetylene Premium full tooth hard facing on each tooth (Cutting structure and gauge).</li> <li>5. Tungsten carbide inserts on Heel/Surf area of the bit.</li> <li>6. Additional shirttail &amp; gauge protection for high speed directional drilling application for abrasive environment.</li> </ol> <p>Bits to be supplied with the nozzles of following sizes:</p> <p style="text-align: center;">14/32" – 32 Sets  16/32" – 32 Sets  18/32" – 32 Sets  20/32" – 32 Sets  (1set= 3 nos. nozzles)  Total 128 Sets for 32 Nos. of Bits</p> <p>Bit will be supplied with the centre jets of following sizes:</p> <p style="text-align: center;">14/32" – 15 Nos.  16/32" – 15 Nos.  18/32" – 15 Nos.  20/32" – 15 Nos.  Total 60 Nos. for 32 Nos. of Bits</p>	32	NO
<b>50</b> 05036053	<p>ROCK BIT, SOFT FORMATION, JET CIRCULATION, TRI-CONEJOURNAL BEARING, INSERT TYPE, BEARING API MONOGRAMAS PER API SPEC.7  Hughes: J22  Security: S84F  Smith: F2  New Reed: FP51  TSK (Japan): K-20  I.A.D.C.: 5-1-7  Bit Size: 8.1/2"  Pin Size: 4.1/2" API Reg.  Nozzle Size: 11/32" – 12 Sets  12/32" – 12 Sets  14/32" – 12 Sets  (1 Set = 3 Nos. of Nozzles)  Total 36 Sets for 12 Nos. of Bits</p>	12	NO

<b>60</b> 05033065	<p>Bits for KGB Project  8.1/2" High Performance TCI Roller Cone Bit  (IADC Code: 4-4-7)  Maker's Type Designation: Similar or equivalent to Model-GF 15PS of Smith Bits/Model-MXL-18 of Baker Hughes  Drill Bits IADC: 4-4-7(Suitable for both Rotary and motor application with minimum Krev of around 700)- 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: 15,000-55,000 LBF(7-25 Tons),  Flow Rate: 300 GPM- 500 GPM  Bit Size: 8.1/2"(215.9mm)  Pin Size: 4.1/2" 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) Twin seals or metal seals bearing package.</li> <li>3) Tungsten carbide inserts on Heel/Surf area of the bit.</li> <li>4) 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>Bit to be supplied with the nozzles of following sizes:</p> <p>14/32" – 5 Sets  16/32" – 5 Sets  18/32" – 5 Sets  20/32" – 3 Sets  (1 Set= 3 nos. nozzles)  Total 18 Sets for 5 Nos. of Bits</p>	5	NO
-----------------------	---	---	----

<b>70</b> 05033068	<p>8.1/2" High Performance TCI Roller Cone Bit (IADC Code: 5-1-7)          Maker's Type Designation: Similar or equivalent to Model-GF 20PS of Smith Bits/Model-MXL-20 of Baker Hughes</p> <p>Drill Bits IADC: 5-1-7(Suitable for both Rotary and motor application with minimum Krev of around 700)- 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: 15,000-55,000 lbf (7-25 Tonnes),          Flow Rate: 300 GPM- 500 GPM          Bit Size: 8.1/2"(215.9mm)          Pin Size: 4.1/2" 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) Twin seals or metal seals bearing package.</li> <li>3) Tungsten carbide inserts on Heel/Surf area of the bit.</li> <li>4) 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>Bit to be supplied with the nozzles of following sizes:</p> <p>14/32" – 3 Sets          16/32" – 3 Sets          18/32" – 3 Sets          20/32" – 3 Sets          (1 Set= 3 nos. nozzles)          Total 12 Sets for 3 Nos. of Bits</p>	3	NO
-----------------------	---	---	----

**Note description for item no.: 10**

- 1) Bidder to be mention categorically about the suitability of the bit for motor application.
- 2) Bidder to provide technical literature for evaluating the offer.

**Note description for item no.: 20**

- 1) Bidder to provide documentary evidence in the form of minimum 25 bit run records, of the offered bit, for supplementing the Krev.
- 2) Bidder to mention categorically about the suitability of the bit for motor application.



- 3) Bidder to provide technical literature for evaluating the offer.

**Note description for item no.: 30**

- 1) Bidder to provide documentary evidence in the form of minimum 25 bit run records, of the offered bit, for supplementing the Krev.
- 2) Bidder to mention categorically about the suitability of the bit for motor application.
- 3) Manufacture must have valid API Spec 7-1 Certificate and the same is to be forwarded with the offer.
- 4) Literature / Catalogue of the products offered to be submitted with the offer.
- 5) Bidder must provide information about the specified Essential Features of the Bit.

**Note description for item no.: 40**

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

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

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

**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.

\*\*\*\*\*

**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