



OIL INDIA LIMITED
(A Government of India Enterprises)
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Assam (India)

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TENDER NO. SSG 6679P15/05

DATE: 23.03.2015

INVITATION TO e-BID UNDER SINGLE STAGE TWO BID SYSTEM

Dear Sirs,

OIL invites Bids for the supply of **SPOOL, TUBING HEAD ASSEMBLY** through its e-Procurement site under **International Competitive Bidding (ICB) - SINGLE STAGE TWO BID System**. The bidding documents and other terms and conditions are available at Booklet No. MM/GLOBAL/E-01/2005-July2012. The prescribed Bid Forms for submission of bids are available in the tender document folder.

The general details of tender can be viewed by opening the RFx [Tender no.] under RFx and Auctions page. The details of items tendered can be found under Item tab and details can be found under Technical RFx.

The tender is invited with firm price for the specified quantity. Further details of tender are given in Technical Rfx -> External Area - > Tender Documents as **ANNEXURE 1A**.

The tender will be governed by:

- a) "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005-July2012 for E-procurement (ICB Tenders). Special attention to the bidders is drawn to Section – E of the document.
- b) Technical specifications ,Quantity and General Notes for Spool, Tibing Head Assembly. as per Annexure – 1A.
- c) 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.
- d) 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. Indigenous bidder shall be eligible for Deemed Export Benefit against this

purchase. Details of Deemed Export are furnished vide Addendum to MM/GLOBAL/E-01/2005-July 2012 enclosed.

Special Note:

1.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope superscribed with **Tender no.** and **Due date** to **The Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam** on or before **13:00 Hrs (IST)** on the Bid Closing Date mentioned in the Tender.

- a) **Original Bid Security.**
- b) **Detailed Catalogue.**
- c) **Any other document required to be submitted in original as per tender requirement.**

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate.

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 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.

3.0 **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.**

4.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before 13:00 Hrs (IST) on the bid closing date failing which the offer shall be rejected.

5.0 **Two bid system** shall be followed for this tender and only the price-bids of the bidders whose offers are commercially and technically acceptable shall be opened for further evaluation.

6.0 **Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFx Response-> User - > Technical Bid only. The "TECHNO-COMMERCIAL UNPRICED BID" shall contain all techno-commercial details except the prices. Please note that no price details should be uploaded in Technical RFx Response.**

7.0 The “**PRICE BID**” must contain the price schedule and the bidder’s commercial terms and conditions.**The prices of the items should be quoted in “Conditions Tab”.**

8.0 **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

Sd-
(BHAVIK MODY)
PURCHASE OFFICER (FS-5)
FOR : HEAD-MATERIALS



ऑयल इन्डिया लिमिटेड
OIL INDIA LIMITED

P.O. DULIAJAN-786602,
INDIA ASSAM
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Email : mmfs1@oilindia.in



ANNEXURE-IA

Tender No& Date : SSG 6679P15/05 DATE – 23.03.2015

Tender Fee : INR 4500.00 OR USD 100.00

Bid Security Amount : INR 1,85,000.00 OR USD 4,115.00
(Or equivalent amount in any currency)

Bidding Type : SINGLE STAGE TWO BID SYSTEM

Bid Closing on : As mentioned in e-portal

Bid Opening on : As mentioned in e-portal

Bid Validity : Bid should be valid for 180 days from bid closing date.

Bid Bond Validity : Bid Bond should be valid up to 15.06.2016.
(Bid bond format has been changed. Please submit bid bond as per revised format failing which offer will be rejected)

Performance Guarantee : Applicable @10% of order value

OIL INDIA LIMITED invites Global tenders for items detailed below:

TECHNICAL SPECIFICATIONS WITH QUANTITY

SLNO	MATERIAL DESCRIPTION & MATERIAL CODE NO.	QUANTITY	UNIT
10	SPOOL, 179.4 MM (7.1/16") x 704 KG./SQ.CM (10,000 PSI) TOP FLANGE, 279 MM (11") x 704 KG./SQ.CM.(10,000 PSI) BOTTOM FLANGE	15	SET
----- 03548325	Tubing Head Assembly, 704 Kg/Sq.cm (10000 psi) Working pressure, with 179.4 mm (7.1/16") x 704 Kg/Sq.cm (10000 psi) WP top flange, and 279.4 mm (11") x 704 Kg/Sq.cm (10000 psi) WP bottom flange, as per API specification 6A, latest edition, Comprising of the following items: 1(a) TUBING HEAD SPOOL : (Qty. 1 no. per set) Tubing Head Spool shall be Straight Bore Bowl design with a landing shoulder to accept mandrel type tubing hanger as given in item 1(d) below. The tubing head spool shall be designed conforming to API Std. 6A latest edition, with the following minimum		

	<p>requirements & provisions. Material : Minimum 60 K API forged steel Product specification level: PSL 3 Material Class : AA Temperature Rating : U Working pressure: 704 Kg/Sq.cm (10,000 psi) Test Pressure : 1056 Kg/Sq.cm (15,000 psi) Minimum ID of the spool: 17.30 cm (6 13/16") Casing Size: Both 5 ½" & 7" Casing, by changing removable type bit pilot & secondary seal assembly.</p> <p>The tubing head spool shall be furnished with the followings</p> <p>1(a)(i) Top Connection of tubing head spool: Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Suitable to accommodate the tubing hanger [item 1(d)] and complete with Tie-down Screws to hold the tubing hanger in place.</p> <p>1(a)(ii) Side Connection of tubing head spool: Studded, 52.4 mm (2.1/16"); BX-152 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure, two numbers on diametrically opposite side (180 Degree apart). Both side outlets shall be internally threaded with 38.1 mm (1.1/2") LP threads for installing valve removal plug.</p> <p>1(a)(iii) Bottom Connection of tubing head spool: Flanged, 279.4 mm (11"); BX-158 ring grooved, 704 Kg/Sq.cm (10,000 psi), Working Pressure. Suitable to accommodate removable type Bit Pilot / Bit Guide [item 1(b)] and Secondary Seal Assembly [item 1(c)]. Preparation shall be such that the BitPilot / Bit Guide is held in place by snap/retainer rings, and Secondary Seal Assembly sits in the counter bore properly. Preparation shall have testing port facilities of 12.7 mm (1/2") NP thread profile, and requisite internal check valve, inner plug & outer plugs installed.</p> <p>1(b) BIT PILOT/GUIDE (FOR 5 ½" OD CASING): (Qty. 1 no. per set) Removable type bit pilot to be used in conjunction with secondary seal assembly [item 1(c)] for installation in tubing head spool [it 1(a)] and held in place by snap/retainer ring. The bit pilot shall such that it prevents casing & secondary seal assembly from getting damaged during running-in of any down hole tools.</p> <p>1(c) SECONDARY SEAL ASSEMBLY (FOR 5 ½" OD CASING): (Qty. 1 no. per set) Removable, self energised (pressure actuated) type, secondary seal assembly, 704 Kg/Sq.cm (10,000 psi) W.P to suit bottom preparation of tubing head spool [item 1(a)] and to seal off 139.7 mm (5.1/2") OD casing.</p> <p>1(d) TUBING HANGER : (Qty. 1 no. per set)</p>		
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	<p>Tubing hanger, single completion suspended mandrel type, with extended seal necks complete with additional upper seal ring to be energised by pack off adapter flange [item no 1(e)], and complete with lower seal ring to be energised by the tubing weight. Tubing hanger shall be made of forged alloy steel (Minimum 60 K API material), with bottom threads to hang 73.03 mm (2.7/8") OD VAM TOP tubing, and top thread 73.03 mm (2.7/8") OD VAM TOP thread for lifting, and suitable for above tubing head spool [item 1(a)].</p> <p>The tubing hanger shall also be provided with 2.1/2" Nom. Thread for installing back pressure valve. The minimum ID of the tubing hanger shall be equal to or more than the tubing ID i.e. 2.441" 1(e) PACK OFF ADAPTER FLANGE (FOR 10M XMT): (Qty. 1 no. per set)</p> <p>Pack off Adapter Flange, suitable for mounting on above tubing head spool [item 1(a)] & fit over extended neck tubing hanger [item 1(d)].</p> <p>The pack off adapter flange shall be designed as below- 1(e)(i) Top Connection of Pack off Adapter Flange: Studded, 65.09 mm (2.9/16"), BX-153 ring grooved, 704 Kg/Sq.cm (10,000 psi), Working Pressure. The top of the vertical bore shall be suitably chamfered to guide wire line tool.</p> <p>1(e)(ii) Bottom Connection of Pack off Adapter Flange: Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Bottom flange shall be provided with test port facility with internal check valve & plug.</p> <p>1(f) CASING VALVES: (Qty 02 nos. per set)</p> <p>Gate Valves, forged Steel, 52.39 mm (2.1/16"), 704 Kg./Cm. Sq. (10000 psi) working pressure, flanged end, BX 152 ring grooved, full bore through conduit, complete with hand wheel, and one no. installed in each side outlet of tubing head spool [item 1(a)].</p> <p>The Gate Valve shall have replaceable gate and seat assembly, parallel solid slab gate construction with floating seat, back seat arrangement on the stem, non-rising stem supported on two thrust bearings, with plastic packing and grease injection ports.</p> <p>1(g) STUDS & NUTS : 1(g)(i) Stud 1.1/2" dia. x 13.3/4" long, with 2 hexagonal nuts each. : (Qty. 16 nos per set) 1(g)(ii) Stud 1.3/4" dia. x 15.3/8" long, with 2 hexagonal nuts each. : (Qty. 16 nos per set)</p> <p>1(h) RING JOINT GASKETS: 1(h)(i) Ring joint Gasket, Size BX 152 : (Qty. 02 nos per set) (In installed condition with casing valves) 1(h)(ii) Ring joint Gasket, Size BX 153 : (Qty. 01 no per set) 1(h)(iii) Ring joint Gasket, Size BX 156 : (Qty. 01 no per set)</p>		
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	<p>1(h)(iv) Ring joint Gasket, Size BX 158 : (Qty. 01 no per set)</p> <p>2. ACCESSORIES/SPARES :</p> <p>2(a) Redress Kit for Tubing Hanger (Seal rings for body & extended neck) : (Qty. 01 no. per 5 set of spool)</p> <p>2(b) Redress Kit for 5 ½" Secondary Seal Assembly (seal packing) : (Qty. 01 no. per 1 set of spool)</p> <p>2(c) Back pressure Valve 2.1/2" Nom. : (Qty. 01 no. per 5 set of spool)</p> <p>2(d) Valve Removal Plug, size 1.1/2" LP : (Qty. 01 no. per 5 set of spool)</p> <p>2(e) Circlip Plier or any other suitable tool for removing /installing snap / retainer ring of bit pilot : (Qty. 01 no. per 5 set of spool)</p> <p>2(f) BIT PILOT / GUIDE (FOR 7" OD CASING): (Qty. 01 no. per 5 set of spool) Removable type bit pilot, to be used in conjunction with secondary seal assembly [item 2(g)] for installation in tubing head spool [item 1(a)], suitable for 177.8 mm (7") OD casing and held in place by snap/retainer ring. The bit pilot should be such that it prevents casing & secondary seal assembly from getting damaged during running-in of any down hole tools.</p> <p>2(g) SECONDARY SEAL ASSEMBLY (FOR 7" OD CASING): (Qty. 01 no. per 5 set of spool) Removable, self energised (pressure actuated) type, secondary seal assembly, 704 Kg/Sq.cm (10,000 psi) W.P, to suit bottom preparation of tubing head spool [item 1(a)] and to seal off 177.8 mm (7") OD casing.</p> <p>2(h) Redress Kit for 7" Secondary Seal Assembly (seal packing) : (Qty. 01 no. per 5 set of spool)</p> <p>2(i) PACK OFF ADAPTER FLANGE (FOR 5M XMT): (Qty. 1 no. per 5 set of spool) Pack off Adapter Flange, suitable for mounting on above tubing head spool [item 1(a)] & fit over extended neck tubing hanger [item 1(d)].</p> <p>The pack off adapter flange shall be designed as below-</p> <p>2(i)(i) Top Connection of Pack off Adapter Flange: Studded, 65.09 mm (2.9/16"), RX-27 ring grooved, 352.1 Kg/Sq.cm (5,000 psi) Working Pressure. The top of the vertical bore shall be suitably chamfered to guide wire line tool.</p> <p>2(i)(ii) Bottom Connection of Pack off Adapter Flange: Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Bottom</p>		
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	flange shall be provided with test port facility with internal check valve & plug.		
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Common Note.

1) The Bidder shall confirm in their technical bid about compliance of all the points under technical specification and notes of the tender.

2) The Bidder shall submit the relevant drawing and literature along with technical bid as given below-

(a) Cross Sectional Drawing showing major dimensions.

(b) Product Catalogue.

3) Each item shall bear markings on name plate as follows :

a. API Monogram

b. OIL's purchase order no.

c. Equipment serial number

d. Manufacturer's name

e. Rated working pressure, bore size

f. Material of construction, PSL, PR, & Trim designation.

g. Year of manufacture

In addition to above, followings shall be embossed permanently on the body of each spool / valve :

a. API Monogram

b. OIL's purchase order no.

c. equipment serial number

d. manufacturer's name

e. rated working pressure & bore size

4) Third Party Inspection shall be carried out by Oil India Ltd.'s approved Third Party Inspection Agency for API Specification 6A. The scope of inspection will cover the followings.

a. General Design,

b. Material,

c. Welding (if any),

d. Quality Control,

e. Equipment Marking,

f. Storing, packaging & shipping,

g. Radiography test, wherever applicable,

h. any other aspects found necessary by TPIA .

5) The TPI report shall be submitted along with the material supply.

6) The original equipment manufacturer (OEM) of the casing valves [item 1(f)] shall be same as the original equipment manufacturer (OEM) of the tubing head spool [item 1(a)], failing which the offer shall be rejected.

Note:

DELIVERY: Bidder to quote best delivery.

AA. Standard Notes:

1) The tender is invited under **SINGLE STAGE-TWO BID SYSTEM**. The bidder has to submit both the “**TECHNO-COMMERCIAL UNPRICED BID**” and “**PRICED BID**” bid 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 UNPRICED BID**” is to be submitted as per Scope of Work & Technical Specification of the tender and “**PRICED BID**” as per the **Online Price Bid format**.

2) In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that “**TECHNO-COMMERCIAL UNPRICED BID**” should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical RFX Response-> User - > Technical Bid. **No price should be given in above Technical Rfx otherwise the offer will be rejected.** Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFX Response-> User - > Technical Bid only. The “**PRICE BID**” must contain the price schedule and the bidder’s commercial terms and conditions. The prices of the items should be quoted in “**Conditions Tab**”.

3) Bid should be valid for 180 days from bid closing date, failing which offer shall be rejected. Therefore, please ignore the minimum validity mentioned in the General Terms and Condition of Global Tender (MM/GLOBAL/E-01/2005-july 2012).

4) The original bid security (Amount is mentioned above and also in Rfx Parameters of the tender in OIL’s e-portal) should reach us before bid closing date and time of the technical bid. Bid without original Bid Security will be rejected. The bidders who are exempted from submitting the Bid Bond should attach documentary evidence in the Technical RFX Response-> User - > Technical Bid as per clause 9.8 of Section A General Terms and conditions for Global Tender (MM/GLOBAL/E-01/2005- july 2012). **The bid security shall be valid up to 15.06.2016.**

5) Price should be maintained in the “online price schedule” only. The price quoted in the “online price schedule” will only be considered. **No price should be given in Technical Rfx, otherwise the offer will be rejected.**

6) **COMMERCIAL BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TO BE TECHNICALLY ACCEPTABLE.**

7) The items covered by this enquiry shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty during import will be applicable. Indigenous bidder shall be eligible for Deemed Export Benefit against this purchase. Details of Deemed Export Benefit are furnished vide Addendum to MM/GLOBAL/E-01/2005-July2012 enclosed.

8) 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.

9). General terms and conditions of Global tender (document MM/GLOBAL/E-01/2005-july 2012) is enclosed. Special attention to Bidders are drawn to the Section E of above document.

10) In case of Indigenous bidder, the evaluation of offers will be made on FOR DULIAJAN basis considering Road Freight. Indigenous Bidder must indicate ROAD FREIGHT.

11) The Integrity Pact is applicable against this tender. Therefore, please attach the Integrity Pact document duly signed along with your quotation as per BRC. The name of the OIL's Independent External Monitors at present are as under :

- (I) SHRI RAGHAW SHARAN PANDEY, IAS(Retd.),
- (II) SHRI RAJIV MATHUR, IPS (Retd.)

The email ids of OIL's IEMs are uploaded on OIL's website.

BB. BID REJECTION CRITERIA (TECHNICAL)

1.0 In addition to BRC criteria vide SECTION – 'D' of General Terms and Conditions for Global Tender (MM/GLOBAL/E-01/2005-July 2012), the following clause will be applicable against this tender:

A. Technical:

1.0 Bidder's Qualification: The bidder shall be a tubing head spool manufacturer having valid API 6A license and continuously holding for last 05 years from original bid closing date of this tender, copies of API 6A certificates shall be submitted along with bid document.

Or, the bidder shall be an authorized dealer / authorized distributor of tubing head spool manufacturer having above qualification. A valid copy of authorization letter / dealership certificate with proper guarantee/warranty back up on the supplied products from the original tubing head spool manufacturer (the principal) shall be submitted along with technical bid.

2.0 Bidder's Experience:

2.1 In case the bidder is an API licensee tubing head spool manufacturer, the bidder shall have the credentials of supplying minimum 10 nos. or 40% of the **tender quantity** (to round off to the nearest value) of **tubing head spool** whichever is lower, of same or higher pressure rating/PSL than the tendered item against multiple (minimum 02 nos. & maximum 05 nos.)

orders in **last 05 years** from the original bid closing date to any reputed E & P Company. Documentary evidence in support of bidder's past supply experience shall be submitted in the form of copy(s) of purchase order along with relevant documents that confirms the satisfactory execution of each order(s), viz., satisfactory supply completion, bill of lading, consignee received delivery challan / invoice etc.

2.2 In case the bidder is an authorized dealer / authorized distributor of tubing head spool manufacturer who meets the qualification & experience criteria in para **2.0 & 3.1** above, the bidder shall have the experience of execution of minimum **01** order for supplying tubing head spool (manufactured by the principal) in **last 03 years** to any reputed E & P Company from the date of opening of technical bid. In addition to the documentary evidence of the principal's qualification & experience criteria, the authorized dealer / distributor shall also submit copy of purchase order, executed as dealer, along with relevant documents that confirms the satisfactory execution of each order(s), viz., satisfactory supply completion, bill of lading, consignee received delivery challan / invoice etc.

B. GENERAL:

1. The Bidder shall confirm in their bid meeting all the points noted under technical qualification criteria as stated in the enquiry and shall also submit all necessary supporting documents, technical details, literature etc. as indicated in the enquiry along with the bid failing which the offer shall be rejected.
2. Bidder's response to all NIT stipulations shall clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model, etc. Generalised response like - 'As per NIT Specifications/Technical Leaflet', 'Noted', 'Accepted' or in any similar fashion is not acceptable.
3. 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.
4. The following points are deemed as "non-negotiable" and offer shall be rejected straightaway without seeking clarification in case of the following :
 - i) Validity of bid shorter than validity indicated in the tender.
 - ii) Original Bid Security not received within the stipulated date and time mentioned in the tender.
 - iii) Bid security with (a) Validity shorter than the validity indicated in tender and/or (b) Bid security amount lesser than the amount indicated in the tender.
 - iv) In case the party refuses to sign the Integrity Pact.

CC : PLEASE REFER General Terms and Conditions for Global Tender(MM/ GLOBAL/E-01/2005-July 2012) and Amendments attached in the C folder.

DD. Special Notes :

1. 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 prorata calculated and the same will be binding on the bidder.

2. **Third Party Inspection is applicable against this tender.** All inclusive charges for Third Party Inspection must be indicated separately as shown in the online Price schedule. Offers without any mention about Third Party Inspection charges as specified above will be considered as inclusive of Third Party Inspection charges. When a bidder mentions Third Party Inspection charges as extra without specifying the amount, the offer will be loaded with maximum value towards Third Party Inspection charges received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, Third Party Inspection charges mentioned by OIL on the Purchase Order will be binding on the bidder. Please refer clause 7.9 of SECTION - A OF GENERAL TERMS AND CONDITION (MM/GLOBAL/E-01/2005-July 2012).

3. OIL'S APPROVED THIRD PARTY INSPECTION AGENCIES ARE M/s. LLODYS, M/s. BUREAU VARITAS, M/s. RITES, M/s. IRS, M/s. TUBOSCOPE VETCO AND M/s. DNV. PLEASE REFER CLAUSE 7.90 OF SECTION - A OF GENERAL TERMS AND CONDITION (MM/GLOBAL/E-01/2005-July 2012)

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