

ANNEXURE-I

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan-786602, Assam, India
E-mail: material@oilindia.in

INVITATION FOR BID
NATIONAL COMPETITIVE BID

OIL INDIA LIMITED invites National Competitive Bid (NCB) through its e-procurement portal <https://etender.srm.oilindia.in/irj/portal> for the following items:

E-TENDER NO.	BID CLOSING / OPENING DATE	ITEM & QTY.
SDI3281P17/P3	02.02.2017	MANIFOLD – 02 Nos.
SDI3346P17/P2	02.02.2017	ANESTHESIA WORKSTATION – 01 No
SDI3348P17/P2	02.02.2017	PNEUMATIC PRESSURE CONTROLLER – 15 Nos.
SDI3352P17/P4	02.02.2017	CREW CABIN-05 Nos.
SDI3356P17/P3	02.02.2017	NEURA LOG SCANNER – 1 No.
SDI3301P17/P3	02.02.2017	PIPE BENDING MACHINE – 1 No.
SDI3400P17/P3	02.02.2017	PMCC PANEL – 04 NOS
SDI3393P17/P3	02.02.2017	PORTABLE ULTRASONIC FLOWMETER – 08 Nos
SDI3392P17/P3	02.02.2017	SKID MOUNTED LIGHTING FEEDER HUT – QTY = 02 Nos

Tender fee (Non-refundable): Rs 1,000.00; Bid Closing/Opening Time: **(11 Hrs.) IST/(14 Hrs.) IST**; Period of sale of documents: **Till one week prior to bid closing date**. The complete bid documents and details for purchasing bid documents, participation in E-tenders are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website www.oil-india.com.

NOTE: All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e-portal only and no separate notification shall be issued in the press. Bidders should regularly visit above website and e-portal to keep themselves updated.



OIL INDIA LIMITED
(A Government of India Enterprises)
PO : Duliajan – 786602
Assam (India)

TELEPHONE NO: (91-374) 2808719

FAX NO: (91-374) 2800533

Email: ranjanbarman@oilindia.in ; erp_mm@oilindia.in

FORWARDING LETTER

Tender No. : SDI3281P17 DT; 13.12.2016

Tender Fee : Rs 1,000.00

Bid Security Amount : Applicable

Bidding Type : SINGLE STAGE COMPOSITE BID SYSTEM

Bid Closing on : As mentioned in the e-portal

Bid Opening on : -do-

Performance Security : Applicable

Integrity Pact : Not Applicable

OIL invites Bids for **Procurement of Manifold – 02 nos.** through its e-Procurement site under **SINGLE STAGE COMPOSITE BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents

The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions. The details of items tendered can be found in the Item Data and details uploaded under Technical RFx.

The tender will be governed by:

- a) For technical support on various matters viz. Online registration of vendors, Resetting of Passwords, submission of online bids etc, vendors should contact OIL's ERP MM Deptt at following: Tel Nos = 0374-2807171 , 0374-2807192. Email id = erp_mm@oilindia.in.
- b) OIL's office timings are as below:

	Time (in IST)
Monday – Friday	07.00 AM to 11.00 AM; 12.30 PM to 03.30 PM
Saturday	07.00 AM to 11.00 AM
Sunday and Holidays	Closed

Vendors should contact OIL officials at above timings only.

c) **OIL Bank Details :**

	Bank Details of Beneficiary	
a	Bank Name	STAE BANK OF INDIA
b	Branch Name	Duliajan
c	Branch Address	Duliajan, Dist-Dibrugarh
d	Banker Account No.	10494832599
e	Type of Account	Current Account
f	IFSC Code	SBIN0002053
g	MICR Code	786002302
h	SWIFT Code	SBININBB479
i	Contact No.	9435554859
j	Contact Person Name	Mr. K.L.K. Banik, AGM
k	Fax No.	0374-2802729
l	Email Id	sbi.02053@sbi.co.in

- d) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.
- e) Technical specifications and Quantity as per **Annexure – 1A**.
- f) The prescribed Bid Forms for submission of bids are available in the Technical RFx-> External Area - > Tender Documents.
- g) Amendments to the NIT after its issue will be published on OIL’s website only. Revision, clarification, addendum, corrigendum, time extension etc. to the tender will be hosted on OIL website only. No separate notification shall be issued in the press. Prospective bidders are requested to visit website regularly to keep themselves updated.
- h) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- i) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area - > Tender Documents. The above filled up document to be uploaded in the **Technical RFX Response**.

Special Notes:

1.0 Vendors having OIL's User ID & password may pay Tender Fee on-line through OIL's electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).

Vendors who do not have OIL's User ID & password, may generate User ID & password online by the Vendor by using the link for supplier enlistment given in OIL's e-tender portal and then pay Tender Fee on-line through OIL's electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).

Alternatively application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in the form of crossed "Payee Account only "Bank Draft/Bankers' Cheque drawn by Bank and valid for 90 days from the date of issue of the same or in the form of Indian Postal Orders payable to the OIL is to be sent to DGM-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto one week prior to the Bid closing date (or as amended in e-portal). The envelope containing the application for participation should clearly indicate "REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO ..." for easy identification and timely issue of user ID and password. On receipt of requisite tender fee, USER_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL's e- Procurement portal. No physical tender documents will be provided. Details of NIT can be viewed using "Guest Login" provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL's web site www.oil-india.com.

NOTE:

In case of MSE/PSUs/ Govt. Bodies / eligible institutions etc., they shall apply to DGM-Materials, Oil India Limited, P.O. Duliajan, Assam-786602 for waiver of Tender Fee upto one week prior to the Bid closing date (or as amended in e-portal).

2.0 The tender is invited under SINGLE STAGE- COMPOSITE BID SYSTEM. The bidders are required to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic format in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender.

2.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFx Response-> User - > Technical Bid only.

3.0 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 super scribed with Tender no. and Due date to **DGM- Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender.**

- a) Original Bid Security**
- b) Detailed Catalogue (if any)**
- 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 Duplicate.

4.0 Benefits to Micro & Small Enterprises (MSEs) as per OIL's Public Procurement Policy for Micro and Small Enterprises (MSEs) shall be given. Bidders are requested to go through ANNEXURE – I of MM/LOCAL/E-01/2005 for E-Procurement of Indigenous

Tenders for more details. MSE bidders are exempted from submission of Tender Fees and Bid Security/Earnest Money provided they are registered for the items they intend to quote.

5.0 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.

6.0 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 the bid closing date and time failing which the offer shall be rejected.

7.0 Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.

8.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the **Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per Annexure-CCC)** contradict the **Clauses of the tender and / or "General Terms & Conditions"** as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders elsewhere, those in the BEC / BRC shall prevail.

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 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

11.0 If Bank Guarantee is submitted towards 'Bid Security', then bidders have to ensure that the Bank Guarantee issuing bank indicate the name and detailed address (including e-mail) of their higher office from where confirmation towards genuineness of the Bank Guarantee can be obtained.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

Yours Faithfully

Sd-

**(R BARMAN)
SR. MANAGER MATERIALS (IP)
FOR DGM-MATERIALS**

Tender No & Date: SDI3281P17 DT: 13.12.2016**BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)**

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the “Bid Rejection Criteria” as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/LOCAL/E-01/2005 elsewhere, those in the BRC / BEC shall prevail.

<u>Criteria</u>	Complied / Not Complied. (Remarks if any)
1.0 BID REJECTION CRITERIA (BRC): The bid shall conform generally to the specifications, terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected. A) TECHNICAL: <u>1.0 Bidder's Qualification:</u> 1.1 The bidder shall be an Original Equipment Manufacturer (OEM) of the tender items. 1.2 The bidder shall carry out the fabrication work of the tender item by engaging an API 1104 qualified welder. The list of welder(s), who will be engaged for fabrication of the tender item, along with respective welder qualification test report carried out within last 03 years preceding bid closing date of this tender, shall be submitted along with the technical bid. <u>2.0 Bidder's Experience:</u> 2.1 The bidder shall have the experience of successful execution of purchase order(s) for supply / service contract for fabricating any of the equipment or pipelines as detailed below, for an Oil & Gas installation/field, in the last 5 (five) years preceding the bid closing date of this tender. (a) 01 nos. of manifold (5 point or more). (b) 01 nos. of high pressure process equipment i.e Separator, Indirect Heater, Steam jacket etc. (c) Minimum 500 m of high pressure process pipe fabrication work for pipe size 4"NB or above.	

(d) Minimum 10 KM of high pressure field pipeline fabrication work for pipe size 4"NB or above.

In this regard, the bidder shall submit the following documents in support of successful execution of past supply /contract -

(a) Copy(ies) of Purchase Order(s) / Contract document(s), and
(b) Any of the following documents that confirms the successful execution of the order(s)-

- Performance report from the clients,
- Consignee received delivery challan / invoice etc.
- any other documentary evidence that can substantiate the successful execution of each of the above Purchase Order/ contract.

B) FINANCIAL

a) Annual Financial Turnover of the bidder during **any of preceding 03 (three) financial / accounting years from the original bid closing date** should be at least **Rs 22.23 Lakhs**

b) Net Worth of the firm should be Positive for preceding financial / Accounting year.

Note -For (b) & (c): Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that ‘the balance sheet/Financial Statements for the financial year..... (As the case may be) has actually not been audited so far’.

Note: For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-

i) A certificate issued by a practicing Chartered Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE-II.

OR

ii) Audited Balance Sheet along with Profit & Loss account.”

C) COMMERCIAL:

i) Validity of the bid shall be minimum 90 days from the Bid Closing Date.

ii) Bid security:

The bid must be accompanied by Bid Security of **Rs 89,000.00** in OIL's prescribed format as Bank Guarantee or a Cashier's cheque or Demand Draft in

favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 6 months from Bid closing date. (i.e. upto 02.08.2017. Cashier's cheque or Demand Draft shall be valid for minimum 90 days or as per RBI's guidelines, drawn on "Oil India Limited" and payable at Duliajan, Assam**

Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.

If bid security in ORIGINAL of above mentioned Amount and Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.

For exemption for submission of Bid Security, please refer Clause No. 8.16 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

The format of Bank Guarantee towards Bid Security (Annexure – VII) has been amended to Annexure – VII (Revised) and bidders should submit Bank Guarantee towards Bid Security as per Annexure – VII (Revised) only.

iii) Bids are invited under "Single Stage Composite Bid System". Bidders have to submit both the "Techno-commercial Unpriced Bids" and "Priced 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 Unpriced bid is to be submitted as per scope of works and Technical specification of the tender and the priced bid as per the online Commercial bid format. For details of submission procedure, please refer relevant para of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

iv) Performance Security:

The successful bidder shall submit Performance Security @ 10% of PO value within 30 days of receipt of the formal purchase order failing which OIL reserves the right to cancel the order and forfeit the Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above.

The Performance Security shall be in any one of the following forms :

(a) A Bank Guarantee in the prescribed OIL's format valid for 3(three) months beyond the Warranty period indicated in the Purchase Order /contract agreement.

(b) A Cashier's cheque or Demand Draft with validity of minimum 90 days or as per RBI's guidelines, drawn on "Oil India Limited" and payable at Duliajan, Assam.

The Performance Security for capital nature items like plant and machinery etc. shall be valid for 12 months from the date of commissioning plus 3(three) months or 18 months from the date of shipment/despatch plus 3(three) months whichever concludes earlier. However, for consumables like chemicals, cement, tubular etc. the Performance Security shall be valid for 12 months from the date of shipment/despatch plus 3(three) months.

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

v) The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

vi) Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

vii) All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisation’s name (*e-commerce application*) 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. The bid signed using other than “Class 3 with Organisation’s Name” digital certificate, will be rejected.

viii) Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.

ix). A bid shall be rejected straightway if it does not conform to any one of the following clauses:

(a) Validity of bid shorter than the validity indicated in the Tender.

(b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.

(c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.

(d) In case the Party refuses to sign Integrity Pact.

(e) Annual Turnover of a bidder lower than the Annual turnover mentioned in the Tender.

x) Delivery period: Bidder should confirm in their offer to supply the ordered item within 06 months from the date of placement of PO.

2.0 BID EVALUATION CRITERIA (BEC)

The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Bid

Evaluation Criteria given below. A) TECHNICAL: 1. The manufactured product should be strictly as per OIL's tender specification. B) COMMERCIAL: i). To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer. ii) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC. iii) 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.	
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NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the terms and conditions of NIT.

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI3281P17 DT: 13.12.2016

	Complied / Not Complied. (Remarks if any)
<u>ITEM NO. 10</u> <u>FABRICATION, TESTING AND SUPPLY OF HIGH PRESSURE 5 POINT MANIFOLD. – QTY – 01 NO</u> Fabrication, testing and supply of High pressure 5 point manifold as per OIL drawing no. OIL/PDNO/P&D/019/A-1/1. The manifold must consist of the following items given below (PART A to H): PART A: MAIN HEADER I. The Main Header should consist of 219.0 mm (8 5/8 inch) OD × 16 mm (0.625 inch) Thick × 3300 mm long seamless API 5L PSL1 grade pipe of 79.54 KG/M (53.4PPF) size. II. Both sides of the header shall be welded with 203.00 mm (8 inch) NB RTJ weld neck flange. One end of the header shall be connected with the 8" x 900 class API600 Gate valve (as specified in PART H) followed by a suitable weld neck type companion flange and other end shall be plugged by a blind flange. All flanges shall be as per ANSI B 16.5, pressure class 900. Requisite nos. of ring gasket & stud/nuts shall be supplied. III. Five nos. of 89.00 mm (3 ½ inch) OD x 7.62 mm (0.300 inch) Thick x 304.8 mm (12 inch) long seamless pipes as per API 5L PSL1 grade, weight 15.27 KG/M (10.25 PPF). One end welded to the main header and other end welded to 76 mm (3 inch) nominal dia. RTJ flange as per ANSI B 16.5 of 900 class. IV. Suitable high pressure tapping points shall be kept for fixing following instruments in the main header: a) 01 no. Thermowell, 1" NPT (box): for inserting temperature measuring instrument. b) 01 no. of 1/2" NPT (box) tapping point for pressure measuring instrument. Qty: 01 no. per manifold. PART B: PONITS/CONNECTIONS 60 mm (2.3/8 inch) OD × 5.54 mm (0.281 inch) Thick × 305 mm (12 inch) Long of 7.43 KG/M (5.03 PPF) Seamless pipe as per API 5 L PSL1 grade with one end welded to 50.00 mm (2 inch) nominal dia. RTJ flanged as per ANSI B 16.5 of 900 class and other end welded to Gusset support 89.0 (3 ½ inch) mm × 7.62 mm (0.300 inch) thick × 457.0 (18 inch) mm long × 15.27 KG/M (10.25 PPF) Seamless pipe as per API 5L PSL1 grade with both end welded to 76 mm (3 inch) nominal dia. RTJ flange as per ANSI B 16.5 of 900 class. Qty: 05 nos. per manifold. PART C: TEST HEADER	

- I. Test header of 114.0 mm (4 ½ inch) OD x 8.56 mm (0.337 inch) thick x 3300 mm Long x 22.31 KG/M (14.98 PPF) size, Seamless pipe as per API 5L PSL1 grade.
- II. Both sides of the test header shall be welded to 101.6 mm (4 inch) RTJ 900 class weld neck type Flange. One end of the header shall be connected with the 4" x 900 class API600 Gate valve (as specified in PART H) followed by a suitable weld neck type companion flange and other end shall be plugged by a blind flange. All flanges shall be as per ANSI B 16.5, pressure class 900. Requisite nos. of ring gasket & stud/nuts shall be supplied.
- III. Five nos. of 60 mm (2.3/8 inch) OD x 5.54 mm (0.218 inch) Thick x 309 mm (12 inch) long x 5.54 KG/M (0.218 inch) Seamless pipes as per API 5L PSL1 grade with one end welded to the Gusset support of the test Header and other end welded to 50 mm (2 inch) nominal dia. RTJ flange as per ANSI B 16.5 of 900 class.
- IV. Suitable high pressure ½" NPT (box) tapping points shall be kept for fixing pressure measuring instrument in the test header.

Qty: 01 no. per manifold.

PART D: HIGH PRESSURE PIPE REDUCER

Pipe reducer of size 114 mm (4.5 inch) OD x 89 mm (3 ½ inch) OD, approx length 305.0 mm (12 inch) with one end welded to 76 mm (3 inch) NB. RTJ companion flange to the API 6D check valve (mentioned in part G below) and other end having API Line threads with polymer/metal thread protectors.

Qty: 05 no. per manifold.

PART E & F: PLUG VALVES

Regular Pattern Plug valve, API 6D Monogrammed, fire safe to API 6FA, Cast Steel, Pressure Balanced type, hyper seal, preferably gear/hand wheel operated with requisite quantity High Tensile Stud Nuts & gaskets. (in case of lever operated valves, two nos. of wrench of each size shall be supplied).

Features: Pressure balanced construction (Protected balance type), hyper seal, Renewable seat with online valve sealant injection facility, Bolted cover with metal gasket, Anti blow-out stem, Threaded stem with online emergency packing injection facility.

- Monogram : API 6D monogram should be embossed on the body.
- Body cover : ASTM A-216 Gr. WCB
- Plug : ASTM A-216 Gr. WCB, the plug to be case hardened & impregnated with PTFE based anti-friction agent for greater wear resistance, consistent low operating torque and resistance to seizure.
- Stem : AISI 4140 / AISI 410
- Bolting : Studs-A193- Gr.B7 & Nuts-A194 Gr.2H
- Stem Seal : Injectable Stem Sealing compound + Graphite Filament
- End connection : ANSI B16.5 Ring Joint type (RTJ) Flanged.
- Fire Test : API 6FA

- Qty: a) 05 nos. valves per manifold in 76.0 mm (3 inch) x 900 CL
b) 05 nos. valves per manifold in 50.0 mm (2 inch) x 900 CL

PART G: CHECK VALVES

Cast carbon steel, full bore, Swing Check valve as per API 6D with bolted cover having flanged ends as per ANSI B 16.5. The materials of construction, size & pressure rating of the check valves shall be as noted below:

Material Specifications:

Body & Cover: ASTM A 216 WCB

Disc: AISI 410 SS or ASTM A 152 F-316

Body seat ring: Satellite type 6

Hinge pin: Stainless Steel

Ring joint gasket: Soft iron

Studs: ASTM A-193 Gr. B-7

Nuts: ASTM A-194 Gr. 2H

Pressure rating: ANSI Class 900 RTJ

Size: 76.2 MM (3 inch) NB

Qty: 05 nos. valves per manifold in 76.0 mm (3 inch) x 900 CL

PART H: Gate Valve

Gate valve, RTJ flanged ends cast carbon steel, conforming to API600 specification, regular bore type, rising stem, bolted bonnet, outside & yoke, integrally cast flexible wedge gate, complete with requisite nos. of RTJ type companion flange drilled in accordance with ANSI B 16.5 face to face dimension as per ANSI B 16.10 & tested as per API 598 specification.

Material of construction for API600 Gate valve:

a) Body & Bonnet: Cast Carbon steel ASTM A 216 Gr. WCB, Radiographic quality casting.

b) Stem: Renewable type back seat bush and rising type stem made of ASTM-276T 410/AISI 410/ASTM A 182 Gr. F6A having Double Start Threading and surface hardened preferably with nitriding. Stem should be Mirror Finish Quality. Thread of the stem should be left handed. Stem should be forged as per API 600 design (latest edition) to ensure better valve performance & durability.

c) Wedge: Sand cast steel gate. HF type flexible wedge (tapered) design, face made up with 13% Cr. SS. Base material of the wedge is ASTM A 216 Gr. WCB. Wedge face should be ground and lapped to suitable flatness. Tee slot of the stem wedge connection should be along the perpendicular direction to the flow of the fluid and shall be within the periphery of the wedge.

d) Back seat bush: Back seat bush should be 13% Cr. SS.

e) Body & Seat Ring: Seat Rings will be stellited and seat welded to the body. The base material of the seat ring will be ASTM A 105. Hardness difference between wedge and seat should be minimum 50 BHN. Seat should be harder than wedge.

f) Gland Packing: Graphite with Braided End Rings having inconel wire supports with sacrificial corrosion inhibitor pre-stressed individually. All valves shall have back seating arrangement for replacing gland packing during operation/ pressurized condition of the valve. The gland packing should be suitable to operate at high temperature service and in oil & gas environment. Gland Bolts: Swing type eye bolt and nuts.

g) Hand Wheel: The valve shall be supplied by a direct operated hand wheel of spoke and rim design made of ASTM A 216 Gr. WCB that opens the valve when turned in counter-clockwise direction. The hand wheel shall be marked "open" and an arrow pointing to the direction of opening. The hand wheel shall be retained on the stem nut by a threaded hand wheel nut.

h) Stud, Bolts and Nuts: High tension stud, bolts and nuts confirming to A-193 Gr. B7 and A-

194 Gr.2H. Quantity: a) 01 no. valve per manifold in 8" X 900 CL b) 01 no. valve per manifold in 4" X 900 CL.	
<u>ITEM NO. 20</u> <u>FABRICATION, TESTING AND SUPPLY OF HIGH PRESSURE 5 POINT MANIFOLD. – QTY – 01 NO</u> <u>SAME AS ITEM NO. 10</u>	

SPECIAL TERMS AND CONDITIONS –(FOR BOTH THE ITEM)

1.0 Fabrication & Supply of Manifold with valves:

- a) All the pipes, valves and pipe fitting shall be as per the bill of material specified above and as per OIL drawing no. OIL/PDNO/P&D/019/A-1/1. Additionally, provision of two nos. of junctions for fixing electrical earthing connections (preferably in non-pressure parts, viz., stiffeners etc) shall be there in the opposite extreme ends of the manifold assembly.
- b) The bidder must submit following API/ANSI certificates along with the bid as under:
Plug valves: API 6D, Gate valve: API 600 & Pipes: API 5L
- c) The bidder must procure all plug valves and Check valves from OIL approved Vendor list mentioned in para 5.0 and for which the valve body castings shall be procured from Foundries approved by M/s EIL or M/s Lloyds. 100% radiography of body and bonnet of all valves will be required. Technical details of the valves (viz., drawings, manufacturer's product leaflet mentioning the valve specs etc.) shall be submitted along with the offer for evaluation.
- d) The different components of the valves must conform to API specifications fully.
- e) The Bidder must submit fire test API 6FA certificate for Plug valves.
- f) Each valve, line pipe, pipe fitting and flanges should be embossed with the name of the manufacturer and the inspection agency.
- g) The manifold shall bear Manufacturer's name, OIL's Purchase Order No. and Serial No.
- h) All items of manifold are to be assembled and tested hydraulically to 210 kg/cm² (3000 psi). Hydraulic test certificate with pressure record chart are to be submitted along with the supply. Pressure record shall be done for 24 hrs at 31 ksc and for ½ hrs at 210 ksc (3000 psi).
- i) All welded joints are to be 100 % radiographed and stress relieved. The radiography film is to be submitted along with the supply.
- j) The Plug & Check Valves must bear API monogram embossed on them as API 6D. Valves without API monogram are not acceptable.
- k) Pipes have to be procured from API certified mills. The bidder must submit valid API certificates of such Mills from which they intend to procure the pipes, along with the bid.
- l) All the pipes should be seamless and as per API 5L PSL1 grade.
- m) The entire manifold will have to be sand blasted and factory painted with epoxy coating.
- n) The item must be new and free from all defects, bidder to confirm the warrantee of the same for a period of 12 months from commissioning or 18 months from shipment whichever is earlier.

2.0 Documentation:

In addition to the documents in support of BRC clauses, following documents shall be provided along with the offer for evaluation:

- 1) Valid API 5L certificate(s) of the mill sourcing the pipes.
 - 2) Valid API 6D certificate(s) of the manufacturer of offered plug valves.
 - 3) Valid API 600 certificate of the manufacturer of offered gate valve.
 - 4) Fire test certificate of offered model of plug valve.
 - 5) Technical details of offered valves viz., product catalogue, drawing etc from the manufacturer.
- Bidder to confirm to submit following documents (in physical form/hard copy) along with supply:

- 1) Valid API 5L certificate(s) of the mill sourcing the pipes.
- 2) Valid API 6D certificate(s) of the manufacturer of plug valves.
- 3) Fire test certificate of plug valve.
- 4) Valid API 600 certificate of the manufacturer of offered gate valve.
- 5) All Radiography reports and films duly endorsed by TPI agency including bought out items.
- 6) Raw material test certificates duly verified by TPI agency including bought out items.
- 7) Hydrotest record chart duly endorsed by TPI agency.
- 8) Test certificates of the valves as per the relevant API standards.
- 9) All TPI inspection reports.

3.0 Third Party Inspection:

The bidder shall offer the manifold for inspection by Oil authorized TPI agency (M/s. Lloyds, M/s Bureau Veritas, M/s. RITES, M/s. I.R.S. and M/s DNV) for the following scope of inspection:

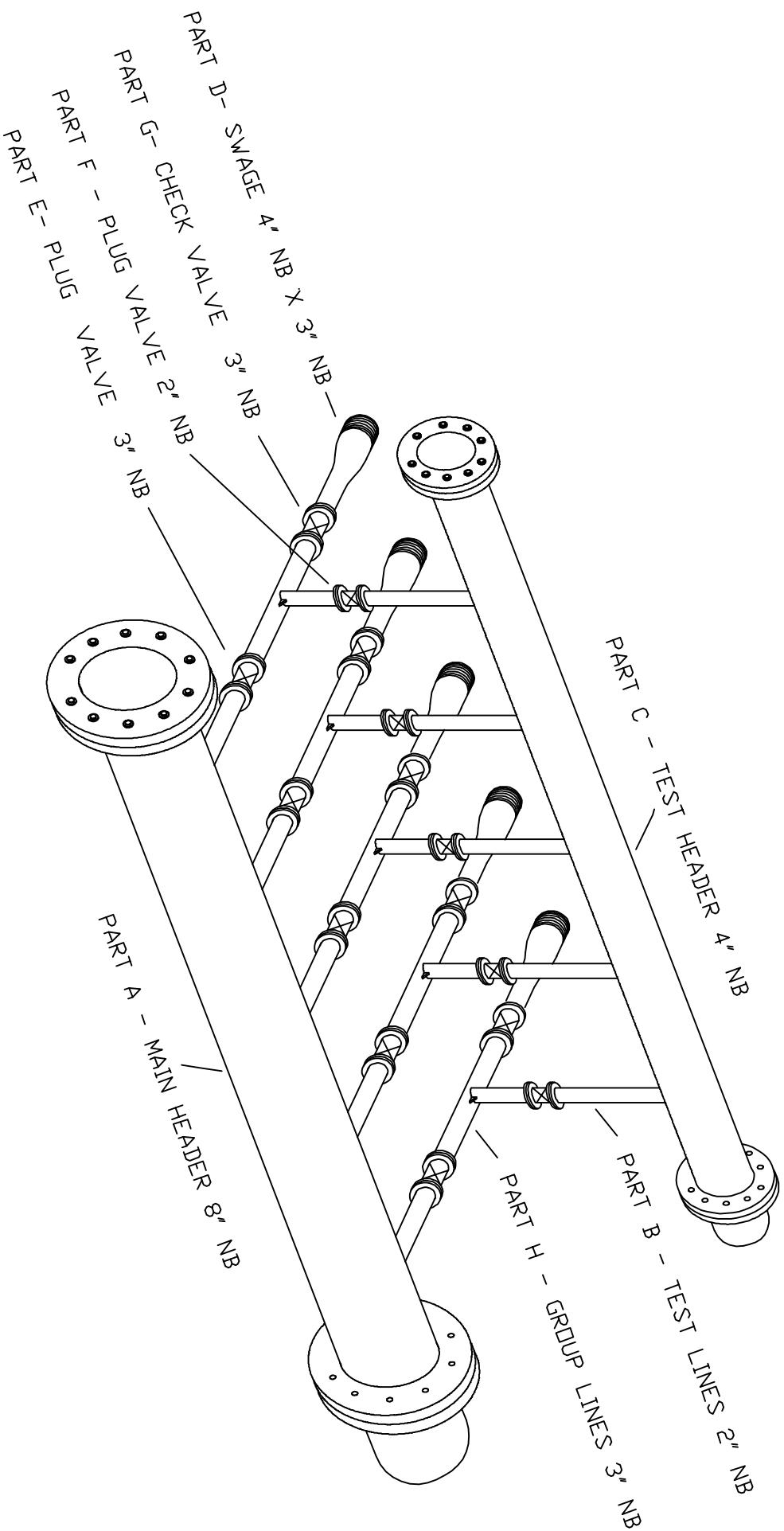
- a) To ensure that API certified welder having minimum experience of 3 years is engaged for welding jobs as per the order.
- b) To ensure that welding is carried out as per relevant API specifications and all welding are of Butt welded type.
- c) To ensure that welding rods used for the welding jobs are as per AWS E6010.
- d) To witness and certify all radiography films of 100% radiography of all welded joints.
- e) To verify heat number wise foundry certificates of castings for valves.
- f) To verify and certify that valve body castings are procured from Foundries approved by M/s EIL or M/S Lloyds only.
- g) To review the radiographs of body and bonnet of all the valves and certify the radiographic films of the same.
- h) To identify and certify materials for pipeline, pipe fittings and flanges.
- i) To audit and endorse all chemical and physical test reports of pipeline, pipe fittings and flanges.
- j) To witness dimensional check of pipeline, pipe fittings and flanges.
- k) To witness and certify Hydraulic testing of the assembled manifold at a pressure of 210 kg/cm² (3000 psi).
- l) To carry out stage inspection during fabrication.
- m) Any other requirement of the inspection agency to satisfy of the equipment as per applicable standards.

4.0 OIL Inspection:

OIL reserves the right to depute its representative to witness Hydraulic testing of the manifold at a pressure of 210 kg/cm² (3000 psi) and inspect purchase documents/certificates etc. OIL should be intimated for inspection after completion of fabrication but before application of painting for inspection. The supplier shall inform OIL at 15 days ahead for such inspection to enable OIL to send inspectors.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.



NOTES : Not To Scale

OIL INDIA LIMITED
PROD (OIL) DEPTT.
DULIAJAN 786602

5 POINT MANIFOLD
ISOMETRIC VIEW

DR NO

OIL/PDNO/P&D/019/A-1/1

Technical Bid Checklist**Annexure-EEE**

Tender No.			
Bidder's Name :			
		Compliance by Bidder	
SL. NO.	BEC / TENDER REQUIREMENTS	Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	Confirm that validity has been offered as per NIT.		
2	Confirm that Bid Security / Earnest Money has been submitted as per NIT (Wherever Applicable) ?		
3	Confirm that you shall submit Performance security (in the event of placement of order) (Wherever Applicable) ?		
4	Confirm that duly signed Integrity Pact has been submitted as per NIT (Wherever Applicable) ?		
5	Confirm that you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*)		
6	Confirm that you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.		
7	Confirm that the bid has been signed using Class 3 digital certificate with Organisation's Name as per NIT.		
8	Confirm that you have not taken any exception/deviations to the NIT .		

NOTE: Please fill up the greyed cells only.

(*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of the purchase order cited above.

Response Sheet**Annexure-FFF**

Tender No.
Bidders Name

Bidders Response Sheet

Sl No.	Description	Remarks
1	Place of Despatch	
2	Whether Freight charges have been included in your quoted prices	
3	Whether Insurance charges have been included in your quoted prices	
4	Make of quoted Product	
5	Offered Validity of Bid as per NIT	
6	Bid Security Submitted (if applicable)	
6	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
7	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
8	Integrity Pact Submitted (if applicable)	
9	Whether you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*)	
10	Whether you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.	
11	Delivery Period in weeks from placement of order	
12	Complied to Payment terms of NIT (if applicable) otherwise to Standard Payment Terms of OIL or not.	
13	If bidder is MSE whether you have quoted your own product	
14	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	

NOTE: Please fill up the greyed cells only.

(*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory

**(TO BE FILLED UP BY ALL THE VENDOR IN THEIR OWN LETTER HEAD)
(ALL FIELDS ARE MANDATORY)**

Tender No. :.....
Name of Beneficiary :M/s.....
Vendor Code :.....
Address :.....
.....
Phone No. (Land Line) :.....
Mobile No. :.....
E-mail address :.....
Bank Account No. (Minimum
Eleven Digit No.) :.....
Bank Name :.....
Branch :.....
Complete Address of your
Bank :.....

IFSC Code of your Bank
a) RTGS :.....
b) NEFT :.....
PAN :.....
VAT Registration No. :.....
CST Registration No. :.....
Service Tax Registration No. :.....
Provident Fund Registration :.....

I/We confirm and agree that all payments due to me/us from Oil India Limited can be remitted to our above mentioned account directly and we shall not hold Oil India Limited responsible if the amount due from Oil India Limited is remitted to wrong account due to incorrect details furnished by us.

Office Seal

.....
Signature of Vendor

Counter Signed by Banker:
Seal of Bank:

Enclosure: Self attested photocopies of the following documents-

- 1) PAN Card
- 2) VAT Registration Certificate
- 3) Service Tax Registration
- 4) CST Registration
- 5) Provident Registration Certificate
- 6) Cancelled cheque of the bank account mentioned above (in original).
- 7) Bank Statement not older than 15 days on the date of submission.