

Tender No. : DID2809L14/L6  
Tender Date : 08.03.2014  
Bid Closing On : 17.04.2014 at 13:00 hrs.(IST)  
Bid Opening On : 17.04.2014 at 13:00 hrs.(IST)

**Tender issued to following parties only:**

Slno	V_Code	Vendor Name	City/Country
1	200211	STEEL & INDUSTRIAL STORES	TINSUKIA
2	200236	AVERY INDIA LIMITED	GUWAHATI
3	200535	AMBIKA SUPPLY AGENCY	KOLKATA
4	201456	INDIA SPARES CO.	KOLKATA
5	201929	S. S. ENGG. INDUSTRIES	NEW DELHI
6	203656	RIGHTTECH ASSOCIATES	MUMBAI
7	204042	UNITED TUBEWELL ENGG. INDUSTRIES	KOLKATA
8	204185	IMP IRRIGATION ENGINEERS	HOWRAH
9	204186	INDIA METAL PERFORATION	KOLKATA
10	211070	AASTHA ENGINEERS	NEW DELHI
11	211071	PROCEDYNE ENGINEERS	CHENNAI

**OIL INDIA LIMITED**  
(A Govt. of India Enterprise)  
P.O. Duliajan-786602, Assam

**E-mail:material@oilindia.in, Fax No.91-374-2800533**

**Tender No. & Date : DID2809L14/L6 08.03.2014**

Bid Security Amount : INR 0.00 OR USD 0.00  
(or equivalent Amount in any currency)

**Bidding Type : Single Bid (Composite Bid)**

Bid Closing On : 17.04.2014 at 13:00 hrs. (IST)  
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Performance Guarantee : Not Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
<b>10</b> 99076790	<p><b>Strainer basket type with companion flange, 4" (600 Class)</b></p> <p><b>4 Inch, 600 class, RTJ, CS Casted Basket Type Strainer with companion flanges, ring gaskets and studs &amp; nuts for crude oil (sweet) flow meter.</b></p> <p><b>The specification of the basket type strainer is as follows:</b></p> <p><b>Body : ASTM A 216 WCB, Seamless (ANSI 600 class)</b>  <b>Cover Flange : ASTM A 105 (ANSI 600 class)</b>  <b>Filter : SS 304 Wire Mesh With SS 304 Perforated Sheet</b>  <b>Wire Mesh : 20 Wire Mesh with SS 304</b>  <b>Gasket : RTJ Type for ANSI 600 class flange</b>  <b>Stud Nuts : ASTM A 193 Gr.B7 / A 194 Gr.2H</b>  <b>Face to Face Dimension : ANSI B 16.10</b>  <b>Pressure Temp ratings : ASME B 16.34</b>  <b>Design &amp; Manufacture : ASME Section VIII Div. I</b>  <b>Pressure Testing : API 598 / ASME B 16.34</b>  <b>End Connection : Flanged to ANSI B16.5 Class 600# WNRTJ</b>  <b>Fire Test : API 6FA</b>  <b>Drain Connection: 1/2" Screwed End, with Nipple &amp; 1/2", ANSI 600 class screwed type valve</b>  <b>Vent Connection : 1/2" Screwed End, with Nipple &amp; 1/2", ANSI 600 class screwed type valve</b>  <b>Service : Crude Oil ( V/V ) - Sweet : 99.99% with plastic viscosity from 30 cp to 65 cp</b>  <b>Flow Rate : 150 m<sup>3</sup>/hr (3600 kilo litre per day)</b>  <b>Pressure Drop : 0.15 kg/cm<sup>2</sup> at Fully Cleaned Condition</b>  <b>: 0.25 kg/cm<sup>2</sup> at 50% Clogged Condition</b>  <b>Accessories : Matching Weld Neck Flanges, Bolts / Nuts &amp; Ring Gasket</b></p> <p><b>The strainer must be suitable for the above crude oil specification.</b></p>	30	NO

**Standard Notes: (1) VALIDITY :** Your offer must be valid for 75 days from the date of bid opening. Offer with inadequate validity will be rejected.

(2) The offer should be submitted in Duplicate.

(3) 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 a 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).

(4) In the event you authorize your dealer/stockist/channel partner to quote on your behalf, the dealer/stockist/channel partner while submitting bid should mention on the body of the envelope that they are submitting bid on your behalf.

In the event the dealer/stockist/channel partner do not mention the name of their OEM/principal on the body of the envelope, the offer shall be treated as unsolicited offer and will not be considered for opening.

The dealer/stockist/channel partner should take note of above while submitting bid on behalf of their OEM/principal.

(5) For order with F.O.R. Destination term, 100% payment against despatch documents will not be entertained. In this regards please refer payment terms in ANNEXURE-MM/TENDER/LP/01/06.

(6) To evaluate the inter-se ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Government of Assam Guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their bids.

(7) Bidder must mention page no./nos. in every pages of their offer.

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

(9) Bidder should clearly mention their name and address on the outside of the envelope containing their offer.

**Special Notes : Notes :**

1. The strainer shall conform to applicable codes and standards besides the following:

- a. ASME B16.5 (latest edition) - Pipe Flanges & flanged fittings
- b. ASME Sec VIII Div 1 (latest edition)- Rules for Construction of Pressure Vessels.

2. Construction of all strainers shall be such that the filter element can be removed with strainer installed in line through a lifting handle so that all particulate captured and retained by the screen can be easily removed for disposal.

3. Bidder to enclose drawing showing detailed dimensions, cross sections and material of construction of strainer & its components along with Name plate details.

4. Bidder shall provide pressure drop Vs flow rate curves for the strainers for clean condition and 50 % clogged condition.
5. The strainer shall be designed for full rated pressure at its rating.
6. Flow direction shall be marked on the body of strainer.
- 7) Detailed sectional / assembly drawing of the strainer shall be submitted along with offer for bid evaluation. On placement of order, the drawings shall be duly approved by OIL prior to taking up fabrication job of the strainer.

8. Third party Inspection :

The strainers shall be inspected, tested & certified by any of the OIL approved Third Party Inspection (TPI) Agency viz M/s Lloyds/ M/s Bureau Veritas/ RITES/ M/s DNV or M/s IRS only. The scope of third Party inspection will be as under:-

- a) To review that heat number wise foundry certificates of castings in order to ensure that the materials used are as per purchase order.
- b) To ensure that strainer body castings are procured from foundries which have been approved by M/s. EIL or M/s. Lloyds only.
- c) To ensure that proper technique and procedure as per relevant ASME / ANSI standard & purchase order are followed by the manufacturer.
- d) To review necessary mechanical and chemical test to ensure that different components of the strainers conform to ordered & ASME / ANSI specifications fully.
- e) To ensure that the strainers inspected are fully embossed with the name of manufacturer, heat number, rating & size.
- f) To examine the Visual & dimensional details as per approved drawing.
- g) All tests as applicable for STRAINERS as applicable in the relevant standards and codes shall be conducted at manufacturer's work place and proof of such tests shall be documented and submitted for review / approval.
- h) strainer in assembled condition shall be tested at the rated test pressure
- i) Pressure test to demonstrate the values indicated in the in offer for pressure drop across the strainer at rated flow in "clean" and "50 % clogged" condition shall be carried out by manufacturer and proof of such records shall be submitted.
- h)To ensure casting of body & cover of strainer is of 100 % radiographic quality. Radiography of 10% of the strainers (randomly selected) shall be witnessed by Inspection Agency and it shall be documented properly. Moreover, TPIA shall review radiographic films of all strainers which were radiographed in presence of TPIA to ensure quality of casting and necessary documents (Radiographic films of the tested strainers) in this regard, shall be submitted along with the materials.
- i) Third party will carry out necessary inspection after casting/machining but before assembly so that dimensions of different components conform to approved drawing/ relevant standard.
- j) To document and issue all inspection reports along with the supply.

Note: OIL may depute its representative at the vendors works during manufacturing / testing stage. Bidder to ensure that OIL representative shall get fair opportunity to witness the manufacturing of critical component and testing of the strainer(s). Party to inform OIL at least 15 days ahead of such inspection.

9. Painting, Marking & Shipment :

- a) The strainers shall be provided with suitable anticorrosive paint and bidder must furnish the detail specification of the paint.
- b) All strainer body must have die-casting ANSI /ASME monogram.

c) SS Name plate shall be provided for each strainer with following permanent marks through die casting or die stamping:-

- i) Manufacturer's Name
- ii) Strainer Size & Type
- iii) Screening Element
- iv) Pressure rating
- v) Serial No.
- vi) Identification mark "OIL"

d) Both ends of all the Strainers shall be suitably protected with plastic or rubber caps to avoid any damage during transit or storage.

e) The strainers shall be packed & shipped as per recommended standard to avoid damage during transit. Packages shall be marked legibly with suitable marking ink for the following:-

- i) OIL's Purchase Order Number
- ii) Manufacturer's Name
- iii) Strainer size & rating

10. The bidder shall submit the followings documents along with the materials :

- i) Test certificate of the chemical and mechanical properties of materials used for the strainer construction including wire mesh materials as per the specifications.
- ii) Test certificates of hydraulic test complete with records of timing and pressure of each test.
- iii) Certificate conforming to radiographic quality castings of the strainers along with the films.
- iv) All other test reports and certificates as required by ANSI B 16.34 and this specification.
- v) Guarantee / warranty certificate for the strainers.

11. The strainers shall have the following features :

- a) Strainer should be Designed/Manufactured to meet ASME section VIII Div. 1 and ANSI B 16.10 & ASME B 16.34 and API Spec 6FA. Copy of valid ASME / ANSI certificates to be submitted along with the offer.
- b) Strainer shall be suitable for either buried or above ground installations.
- c) Operating device shall be designed for easy operations of strainer under maximum differential pressure corresponding to the its rating.
- d) Strainer Body & cover shall be of radiographic quality and Foundry test certificate (OIL's approved Third Party Inspection Agency by EIL or Lloyds only) in this regard should be provided.
- e) All strainers of similar type, size and pressure rating against the same Purchase order shall have same castings pattern & design.
- f) Heights of all the strainer of similar type, size and pressure rating from the same Purchase order shall be same in order to maintain uniformity.
- g) Companion flanges, stud nuts and bolts and RTJ gasket against each strainer shall have to be supplied along with the strainers.
- h) Hydraulic testing shall be carried out preferably with kerosene. If water is used, it will be mixed with suitable inhibitor to prevent corrosion. After hydraulic testing, strainers should be properly dried. Inside & internal parts of each strainer should be properly greased.
- i) Both ends of the strainer shall be capped with plastic or rubber caps to avoid inside damage.

12. Guarantee / Warranty :

- i) Bidder shall guarantee that strainers will be manufactured as per ASME section VIII - Div 1, ANSI B 16.10 & ASME B 16.34 and requirements covered by this standard.
- ii) The strainers shall be guaranteed for satisfactory operation for a period of 18 months from the date of shipment or 12 months from the date of commissioning whichever is earlier.
- iii) QAP shall be prepared by bidder as per relevant standard / specification and approved by OIL and inspected by Third Party Inspection Agency (TPIA) before undertaking manufacturing.
- iv) The bidder must clearly mention any deviation /modification from our specification in their offer. This point is to be noted carefully and bidder to summarize the deviation/modification in a separate column in their offer document with a heading "deviation /modification" otherwise they should write " DEVIATION FROM ENQUIRY"

**13. Documentation :**

**13.1 While Bidding:** At the time of bidding, the offer must be accompanied with the following documents: (3 copies)

- a) Detailed Engineering Drawings with dimensions, materials specification and technical literature etc. for technical scrutiny
- b) Assembly drawing with over-all dimensions.
- c) Point wise compliance on NIT requirements. Any deviations from this specification, if any, must be highlighted in the offer.
- d) Technical catalogue for the quoted strainer in original.

**13.2 After Purchase Order :**

- a) After Purchase Order is placed on the bidder they are required to submit detailed engineering drawings with dimensions of the strainers corresponding to relevant standard for our approval. Fabrication / manufacture shall be carried out only after getting the drawings approved from us.
- b) Prior to Shipment, manufacturer shall submit all the test certificates as listed in these specifications along with other documents, if any.

**14. Delivery :** Material to be delivered to us within 4 months from the date of issue of PO.

**15.** Bidders must submit duly filled Annexure-A of "Technical Compliance Check-list" (attached) along with the offer without which the bidding documents will not be evaluated.

**BID REJECTION CRITERIA (BRC)**

**1.0** The bid must confirm to the specifications, notes, terms and conditions stipulated in the bidding document. Bid will be rejected in case items offered will not confirm to the stipulated specifications. Notwithstanding the general conformity of the bid to the stipulated specifications and terms & conditions, the following requirements shall have to meet by the bidder, without which the offer will be considered as non responsive and rejected. All the documents related to BRC must be submitted along with the bid.

**A. Technical**

**1.0 Bidder's Qualification**

**1.1** The bidder shall be an Original Equipment Manufacturer (OEM) having experience in manufacturing of Basket type Strainers, casted, as per ASME sec VIII, Div-1 for 100 mm (4 inch) sizes of ANSI class 600.

**OR**

**1.2 The bidder shall be an authorized dealer of OEM.**

## **2.0 Bidder's Experience**

**In case, the bidder is an Original Equipment Manufacturer (OEM)**

**2.1.1 The bidder shall be a Manufacturer of Basket type Strainers, casted, as per ASME sec VIII, Div-1 for 100 mm (4 inch) sizes of ANSI class 600 and shall be in the business of manufacturing the strainers for the last 5 (five) years as on Bid Closing Date of this tender. Copy of valid ASME / ANSI certificate in this regard shall be submitted along with the bid.**

**2.1.2 The bidder shall have the credential of successful execution of at least 3 (three) orders not less than 5 nos. of Basket Type Strainers, casted, for crude oil in quantum against each order during the currency of last 5 (five) years preceding from the bid closing date of this tender to any Oil and Gas Industry. The bidder shall submit details of the previous supply of such basket type strainers in a tabular format as shown below in absence of which the bid will be summarily rejected.**

**SL NO Client / Customer Name and Address Order No / Contract No. Date of order Technical specifications & quantity supplied Completion date supporting document (to be enclosed).**

**2.2 In case the Bidder is an authorized dealer of OEM,  
The following criteria shall be met by the Bidder:**

**2.2.1 The Bidder shall confirm supply of Basket type Strainers , casted, as per ASME sec VIII, Div-1 for 100 mm (4 inch) sizes of ANSI class 600 Manufacturer (OEM) who meets the qualification requirements stipulated under clauses 2.1.1 & 2.1.2 above. Copy of OEM's valid ASME /ANSI certificate in this regard shall be submitted along with the bid.**

**2.2.2 Bidder shall enclose an Authorization Certificate with back up Warranty & Guarantee from the OEM to quote against this tender.**

**2.2.3 The bid shall be rejected in case of any change of the proposed OEM after submission of the bid.**

**2.2.4 The bidder shall have the credential of successful execution of at least 1 (one) order not less than 5 nos. of Similar Basket type strainers, casted, in quantum against each order during the currency of last 3 (three) years preceding from the bid closing date of this tender to any Oil and Gas Industry. The bidder shall submit details of the previous supply of such basket type strainers in a tabular format as shown below:**

**SL NO Client / Customer Name and Address Order No / Contract No. Date of order Technical specifications & quantity supplied Completion date supporting document (to be enclosed)**

**2.3 Further, the indigenous bidders or their Principal who have not supplied /or registered with OIL for supply of ANSI 600 class Basket type strainers, casted, shall be an approved vendor for Engineers India Ltd. for Similar strainers. Necessary document in this regard must be submitted along with the bid.**

## **2.4 Supporting Documents**

**a) Possession of a supply order without complete execution or partially completed order will not be considered as previous experience of the bidder with respect to the Bidder's Experience criteria.**

**b) In support of the experience as noted in paras 2.1.1, 2.1.2 and 2.2.4 above, the bidder shall submit the following documents:**

- i) Copy of the Purchase Order
- ii) Performance report from the clients.
- c) In support of clause nos. 2.1.1, 2.2.1 and 2.2.2 certificate copies shall be enclosed.

**NOTE: SIMILAR ITEMS means ANSI 600 class Basket type strainers, casted, of 100 mm (4 inch) NB sizes with design as per ASME Sec VIII, Div -1 for 99.9 % crude oil (sweet).**

**3.0 GENERAL :**

**3.1 The Bidder shall confirm in their bid meeting all the points noted under technical qualification criteria as stated in the enquiry & enclosed check list 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.**

**3.2 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.**