

OIL INDIA LIMITED

(A Govt. of India Enterprise)
P.O. Duliajan-786602, Assam.

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

Tender No. & Date : DFD6596L15/07 18.03.2015

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 : 06.05.2015 at 13:00 hrs. (IST)
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Performance Guarantee : Not Applicable

OIL INDIA LIMITED have issued Limited tenders to following parties for items detailed below. For General Terms & Conditions, please refer to Document No. MM/GLOBAL/01/2005 available in OIL's web site:

Item No./ Mat. Code	Material Description	Quantity	UOM
10 0C000293	<p>DESCRIPTION:</p> <p>1.0 Fuel Injector Test Stand (brand new) for testing and calibrating fuel injectors of the following makes & models of diesel engines:</p> <p>1.1 GREAVES : 4YDA, 6YDA, TD2V6, 3G11, TBDV6 1.2 CATERPILLAR : D398, D399, 3208, 3304, 3406, 3412 1.3 RUSTON : 2YDA, 4YDA, 6YDA, 2YWA 1.4 KIRLOSKAR : HA294, HA494, HA394, TA-1, TA-2, 4R1040, 6R1080, RDA2, 6SL9088A 1.5 PERKINS : P4 1.6 ASHOK LEYLAND : ALU 402 1.7 ESCORTS : G-30</p> <p>2.0 Fuel Injector Test Stand (brand new) should be designed to meet fuel injector testing functions with necessary features and attachments / kits for the above makes & models of diesel engines used in generators, pumps, oil drilling/ workover and well servicing applications.</p> <p>3.0 Test stand should be pneumatically operated, incorporating an LCD display and sophisticated menu driven software for analyzing injector nozzle performance.</p> <p>4.0 The Test Stand should be brand new, compact in size, easy and flexible in use, and which permits test results to be stored and recorded via an external PC/printer.</p> <p>5.0 Test stand should be cost effective, robust and easy and safe to use.</p> <p>6.0 Main Features of the Fuel Injector Test Stand should include the following: # Air operated pumping action. # Should have the ability to Test most types of diesel injectors up to 500 bar pressure. # Illuminated spray chamber for examination of injector spray. # Air operated continuous fume extraction of the spray chamber.</p>	1	NO

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	<p># Keypad for data entry such as company name/Department name/ section name and injector test plan information.</p> <p># Pressure reading displayed both digitally and an analogue bar graph on back-lit LCD display for better accuracy.</p> <p># Back leakage timer.</p> <p># Automatic pass/fail indication when the test plan facility is used.</p> <p># Fluid temperature compensation.</p> <p># Date and time indication.</p> <p># Flow control valve. Flow control to detect injector chatter.</p> <p># Injector test plan facility (up to 200 memory locations).</p> <p>7.0 TECHNICAL SPECIFICATIONS:</p> <p>7.1 Pump: Air operated pumping action with high pressure intensifier and with electrical isolator.</p> <p>7.2 Pressure Reading: To indicate up to 500 bar pressure with a provision to read pressures such as atm, psi, kg/cm².</p> <p>7.3 Scaling: To 1 bar.</p> <p>7.4 Accuracy: +/- 1.0% fsd.</p> <p>7.5 Timer: Back leakage timer shown on the LCD display.</p> <p>7.6 Pass or Fail Indication: Programmed limits to be displayed on the LCD display. Automatic pass / fail indication when the test plan facility is used.</p> <p>7.7 Filter: Paper type minimum 5 micron filtration with easy access for replacement.</p> <p>7.8 Fuel Tank: Minimum 3 liters capacity with self-draining facility.</p> <p>7.9 Fume Extraction: Air operated continuous fume extraction with external vent, air consumption to be within 0.05 to 0.14m³ per minute (approx.).</p> <p>7.10 Internal Electrical Supply: 12 volts power supply suitable for Indian Standards.</p> <p>7.11 Light Fitting: Low voltage (12V) bulb with simple fitting suitable for Indian Standards.</p> <p>7.12 Quick Action Injector Clamp: To accommodate injectors from 17.8 mm to 33 mm diameter, e.g. P, R and S size. Provision should be available or quick clamping and dismounting of the injectors.</p> <p>7.13 High Pressure Pipes: Two pipes to be supplied, one with M12 x M14 nuts, the other with M14 x M14 nuts.</p> <p>7.14 Electric power supply available at our testing facility are</p> <p>i) 230v, single phase, 50 hz, a.c &</p> <p>(ii) 415v, 3- phase, 50hz, a.c.</p> <p>Bidder should confirm the electric power supply requirement and rating of the equipment along with their offer. Provision of external power supply connection should be at one point only. Unit should be complete with internal power distribution.</p> <p>7.15 PC Connection: Equipment to be provided with an RS232 port for allowing connection to an external printer/PC for storage and printing of test results.</p> <p>7.16 Air Supply: Air supply of approx. 6 bar pressure will be available at our site.</p> <p>Bidder should confirm the air supply requirement of the equipment along with their offer.</p> <p>7.17 Size of the Test Stand: Approx. 60cm x 60 cm.</p> <p>7.18 Suitable flow control valve should be provided to detect injector chatter.</p>		

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	7.19 Injector test plan facility should be available (upto 200 memory locations). 7.20 Injector testing should be in accordance with ISO 8984-1 and ISO 8984-2. 7.21 Date and Time Indication should be present. 7.22 Menu Driven software for ease of use of the operator and provision should be available for Digital display of test data. 7.23 Provision for display of pressure reading both digitally and an analogue bar graph on back lit LCD display for better accuracy. 7.24 Back leakage timer should be present. 7.25 Fluid temperature compensation facility to be present. 7.26 The equipment should be provided with a Keypad for data entry. 7.27 The Spray chamber should be provided with adequate illumination to check the Spray pattern of the injector.		

Special Notes : 1. The items shall be brand new, unused & of prime quality. Bidder shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of despatch/shipment or 12 months from date of receipt/commissioning of the items. The defective materials, if any, rejected by us shall be replaced by the supplier at their own expense. Bidders must confirm the same while quoting.

2. Installation & Commissioning :

Installation & Commissioning of the unit shall be carried out by supplier's competent engineer(s) at Duliajan, Assam (India). During Installation & Commissioning, the supplier shall demonstrate / train OIL personnel about the operation and maintenance of the machine. Installation / Commissioning charges, if any must be quoted separately on lumpsum basis which shall be considered for evaluation of the offer.

While quoting Installation/Commissioning charges, bidder should take into account all charges including to and fro fares, boarding/lodging, and other daily expenses of the commissioning personnel. OIL may provide accommodation on chargeable basis subject to availability. Income, Service, Corporate Taxes etc, if any, towards Installation/ Commissioning and training will be to supplier's account and will be deducted at source.

Offers without indicating the Installation / Commissioning charges shall be loaded with the maximum Installation / Commissioning charges received against this tender for evaluation purpose.

Moreover, if Income / Service taxes are not categorically mentioned in their offer, then such offers shall be loaded with the applicable rate of taxes for evaluation purpose.

3. Payment : Payment shall be released as follows :

- i) 80 % of the of the order value shall be paid against proof of despatch/shipment of the goods.
- ii) Remaining 20 % of the order value along with installation/commissioning charges, shall be paid after successful commissioning and acceptance of the unit by OIL.
- iii) OIL may also consider making 100 % payment towards supply of the units against

proof of despatch provided bidders agree to pay interest i.e. 1% above the prevailing Bank Rate(cc Rate)of State Bank of India for 20 % of the order value and also submit Bank Guarantee for the amount equivalent to 20 % of the order value plus interest valid till successful commissioning. This is in addition to the 10 % of the order value towards Performance Security as per the NIT requirement.

iv) Payment towards Installation/Commissioning shall be released on successful completion of the Installation/Commissioning programme.

Any offer not complying with the above shall be loaded at one percent above the prevailing Bank Rate (CC rate) of State Bank of India for evaluation purpose.

4. In the event of an order, Supplier's technical personnel should be present at site at ICE Shop at OIL, Duliajan, Assam, India during installation of the equipment to provide guidance to OIL's personnel.

5. Supplier should supply the general equipment layout drawing, foundation drawing for fuel injector test stand, along with the supply of the test stand.

6. Supplier should carry out the commissioning of the test stand with all its accessories at the site at ICE- Shop, Field Engineering Department, OIL, Duliajan, Assam, India.

7. 02 (two) sets each of instruction cum operational manual and spare parts list books both in hard copy and soft copy should be supplied along with the equipment.

8. The bidder must undertake and confirm from OEM that the equipment to be supplied is not going to become obsolete for the next 10 years and provisioning of spares can be continued.

9. Scope of work covered under commissioning by the supplier:

9.1. To complete the necessary cable connections to make the Test stand operative.

9.2. To carry out calibration of the test stand

9.3. Data acquisition and recording of test data for above models of fuel injectors. To show connection to an external printer/PC for storage and printing of test results.

10. Training :

10.1 Training on operation and maintenance of the Test Stand should be given to the OIL's operative personnel by the supplier's technical representative at the site at ICE- Shop, Field Engineering Department, OIL, Duliajan, Assam, India.

10.2 Training should be on the following:

- # Operation of the test stand along with recording and printing of the test data.
- # Trouble - shooting and its remedial measures.
- # Preventive maintenance of the test stand and accessories.
- # Full functionality use of the equipment
- # General up-keepment of the equipment etc.
- # Safe Operating Procedure (SOP) of the Test Stand. The SOP both in hard and soft copy to be provided during training.

11.0 Pre-despatch inspection:

11.1 Pre-despatch inspection of the Fuel injector calibration test stand and all the accessories will be carried out by OIL's Engineers from Duliajan, India at the original equipment

manufacturer's (OEM) factory. Notice of inspection in this regard to be provided by the bidder at least 60 days in advance.

11.2 Supplier has to provide training to OIL's Engineers (at least two) at manufacturer's factory before despatch of the test stand from the OEM's factory free of charge. All to and fro, boarding /lodging charges of OIL's inspecting personnel shall be borne by OIL.

12. Bidder must have a authorized service centre in India or must have OEM/factory trained service engineer stationed in India to provide after sales services for the quoted fuel injector test stand.

13. Bidder shall provide free of cost 2 (two) years maintenance spare parts for their quoted test stand.

14. Validity of the offers should be 120 days. Bids with lesser validity shall be rejected.

15. Quotation must be submitted in triplicate.

16. 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 Customs 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/01/2005 enclosed.

17. TECHNICAL CHECK LIST :

The bidder must submit the following Technical checklist along with their offer:

- i). Whether fuel injector test stand is brand new YES/NO
- ii). Whether fuel injector test stand is designed to test following makes & models of diesel engine's fuel injectors YES/NO
- iii). GREAVES : 4YDA, 6YDA, TD2V6, 3G11, TBDV6
- iv). CATERPILLAR : D398, D399, 3208, 3304, 3406, 3412
- v). RUSTON : 2YDA, 4YDA, 6YDA, 2YWA
- vi). KIRLOSKAR : HA294, HA494, HA394, TA-1, TA-2, 4R1040, 6R1080, RDA2, 6SL9088A
- vii). PERKINS : P4
- viii). ASHOK LEYLAND : ALU 402
- ix). ESCORTS : G-30
- x). Whether fuel injector test stand will be supplied with necessary features and attachments / kits/accessories for the above makes & models of diesel engine injectors. YES/NO
- xi). Whether the Bidder has furnished performance certificate or copy of the order from the customers (Govt., Semi Govt., Public Limited Company, Private Limited Company) for fuel injector test stand to whom they have supplied fuel injector test stand for testing and calibrating fuel injectors during the last 5 years from the date of bid closing. YES/NO
- xii). Whether the name of manufacturer & country of origin indicated YES/NO
- xiii). Whether the authorization from OEM together with warranty back-up enclosed: YES/NO
- xiv). Whether the electric power supply requirement for their offered Test Stand for testing above make and models of fuel injectors have been mentioned. YES/NO.

18. BID EVALUATION CRITERIA /BID REJECTION CRITERIA

A) BID EVALUATION CRITERIA (BEC)

1.0 The bids conforming to the specifications, terms and conditions indicated in the Tender will be considered for further evaluations.

2.0 All the items of the fuel injector test stand as indicated in the Tender should be offered.

B) BID REJECTION CRITERIA (BRC)

1.0 Bidder's Qualification:

1.1 The bidder shall be an Original Equipment Manufacturer (OEM) of the Fuel Injector Test Stand.

OR

1.2 The bidder shall be an authorized dealer / authorized distributor of the Fuel Injector Test Stand manufactured by an Original Equipment Manufacturer (OEM). Valid copy of authorization letter / dealership certificate with proper guarantee/warranty back up on the supplied products from the Original Equipment Manufacturer (the principal) shall be submitted along with technical bid.

2.0 Bidder's Experience:

2.1 In case the bidder is an Original Equipment Manufacturer (OEM) of Fuel Injector Test Stand, the bidder shall have the credentials of successfully executed orders for supplying minimum 01 no. of similar type of Fuel Injector Test Stand, in last 07 years from the original bid closing date to any Govt./ Semi Govt./ Public Limited Company/ Private Limited 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 any of the relevant documents that confirm the satisfactory execution of each order(s), viz., satisfactory supply completion certificate/ bill of lading/ consignee received delivery challan / invoice etc.

2.2 In case the bidder is an authorized dealer / authorized distributor of Fuel Injector Test Stand manufactured by an Original Equipment Manufacturer (OEM), the bidder shall have the credential of successfully executed order for supplying minimum 1 no. of similar type of Fuel Injector Test Stand in the last 07 years from the original bid closing date to any reputed Govt./Semi Govt./ Public Limited Company/ Private Limited Company. Documentary evidence in support of bidder's past supply experience as authorized dealer / authorized distributor shall be submitted in the form of copy(s) of purchase order along with any of the relevant documents that confirm the satisfactory execution of each order(s), viz., satisfactory supply completion certificate/ bill of lading/ consignee received delivery challan / invoice etc.

2.3 The model of Fuel Injector Test Stand offered as per NIT should be one that has a proven track record. Bidder / OEM shall have experience of supplying minimum 1 no. of offered model of Fuel Injector Test Stand during last 07 years from the original bid closing date. In this regard satisfactory performance certificate of the offered Fuel Injector Test Stand from the end users shall to be enclosed along with the offer.

2.4 Bidder must either have a service centre in India or must have OEM/Factory trained service engineer stationed in India to provide after sales services for the quoted fuel injector test stand. Valid document in this regard must be submitted along with the offer.

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Tender issued to following parties only:

Slno	V_Code	Vendor Name	City/Country
1	101995	HARTRIDGE LTD	
2	103175	ROBERT BOSCH GMBH	STUTTGART , GERMANY
3	205289	DEVENDRA EXPORTS PVT. LTD.	CHENNAI - 600 058
4	211481	BOSCH LIMITED	BANGLORE

NOTICE

Other than the vendors to whom the enquiry has been issued, interested vendors who wish to participate in the tender may apply with proper credentials and other relevant details so as to reach Head-Materials, Oil India Limited, P.O. Duliajan, Dist. Dibrugarh, Assam – 786602 (E-mail : materials@oilindia.in , Fax : 0374-2800533) within 10 days of publication of the tender in OIL's website.

The vendors must fulfill the following conditions:

- i) The party should have 3(three) year's experience for the same item as on the Bid Closing Date
- ii) The party should have received one order for at least 50% quantity in last 3(three) years as on Bid Closing Date for the item from any reputed firm.
- iii) Annual turnover of the firm in any of the last 3(three) financial years or current financial year should be more than Rs 13.00 Lakhs

- NOTE:**
- i) Relevant documents in support of experience, last order and annual turn over must be submitted along with the application.
 - ii) Application without complete supporting document will not be considered.
