



**Oil India Limited**  
**(A Govt. of India Enterprise)**  
**P.O. Duliajan – 786602, Assam**

Telephone No. (91-374) 2800491

Fax No: (91-374) 2800533

Email: [materials@oilindia.in](mailto:materials@oilindia.in) ; [erp\\_mm@oilindia.in](mailto:erp_mm@oilindia.in)

**Tender No. : SDG5331P15/09**

Tender Fee : INR 4,500.00 OR USD 100.00

Bid Security : Applicable

**Bidding Type : SINGLE STAGE TWO BID SYSTEM**

**Date of pre-bid conference : 5<sup>th</sup> & 6<sup>th</sup> December 2014**

**Venue of pre-bid conference : KOLKATA, WEST BENGAL (INDIA)**

Bid Closing on : As mentioned in the Basic Data of the tender in OIL's e-portal.

Bid Opening on : As mentioned in the Basic Data of the tender in OIL's e-portal.

Performance Guarantee : Applicable

**OIL INDIA LIMITED** invites Global Tenders for items detailed below:

Item No. / Mat. Code	Material Description	QTY.	UOM
10	SUPPLY, INSTALLATION & COMMISSIONING OF <b>MEASUREMENT WHILE DRILLING [MWD] SYSTEM WITH ACCESSORIES</b> AS PER THE FOLLOWING ANNEXURE:  a) Detailed specification – Annexure - I.  b) Bid Rejection Criteria (BRC) and Bid Evaluation Criteria – Annexure - II.  c) Technical & Commercial Check list vide Annexure - III	6	SET

**NOTES:**

- (1) A Pre-Bid Conference with the vendors will be held at Kolkata (India) on 5th & 6th December 2014 to discuss on the technical specifications mainly and other terms and conditions, if any, of the tender. The exact venue and time of the Pre-Bid conference will be intimated to the eligible vendors at a later date.
- (2) Clarification on the technical specifications and other terms & conditions of the Measurement While Drilling [MWD] System shall be provided to the vendors during the

Pre-bid Conference. Bidders should come fully prepared to the Pre-bid Conference and submit their queries to OIL in the Pre-bid Conference for clarification. The set of queries may please be sent to OIL in advance to e-mail address [mmfd1@oilindia.in](mailto:mmfd1@oilindia.in) & [materials@oilindia.in](mailto:materials@oilindia.in) and the same should reach us latest by 29.11.2014 for study by OIL. Non receipt of queries from any bidder will be construed as there is no query in respect of this tender. In the Pre-bid conference, discussions will be held only on those queries which are received from the bidders by 29.11.2014 .

- (3) Any changes in the technical specifications and other terms & conditions of this tender arising out of discussion in the Pre-bid Conference shall also form part of the tender document.

- (4) Bidders shall inform OIL at the following address about their participation in the Pre-Bid Conference with details of the persons to enable OIL to make arrangement for the Pre-Bid Conference.

HEAD – MATERIALS

OIL INDIA LIMITED

P.O DULIAJAN, PIN – 786 602

DIST. DIBRUGARH (ASSAM) INDIA

Phone No. 03742808720

FAX NO. : +91 - 374 – 2800533

E-Mail : [mmfd1@oilindia.in](mailto:mmfd1@oilindia.in) / [materials@oilindia.in](mailto:materials@oilindia.in)

- (5) Maximum two (2) representatives from each prospective bidder shall be allowed to participate in the pre-bid conference. All costs associated to attending the pre-bid conference by their representatives shall be borne by the interested Bidders themselves.

#### **Special Notes :**

- 1.0 The tender will be governed by “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to “General Terms & Conditions” for e-Procurement.
- 2.0 Technical Check list and Commercial Check list are furnished vide Annexure – III. Please ensure that both the check lists are properly filled up and uploaded along with “Techno-commercial Unpriced Bid”.
- 3.0 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 are furnished vide Addendum to “General Terms & Conditions”.
- 4.0 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 The **Head 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) Details Catalogue and any other document which have been specified to be submitted in original.

5.0 In case of SINGLE STAGE-TWO BID SYSTEM, bidders shall prepare the “Techno-commercial Unpriced Bid” and “Priced Bid” separately and shall upload 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” shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab “Notes and Attachments”.

**A screen shot in this regard is given below.**

Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.

**Display RFX Response:**

[Edit](#) | [Print Preview](#) | [Refresh](#) | [Technical RFX Response](#) | [Close](#) | [W](#)

RFX Response Number 60006452    RFX Number TEST2    Status RFX R  
 RFX Owner WIPRO\_TEST1    Total Value 0.00 INR

[RFX Information](#) | [Items](#) | [Notes and Attachments](#) | [Con](#)

[Basic Data](#) | [Questions](#)

**Event Parameters**  
 Currency:   
 Detailed Price Information:   
 Terms of Payment:  90% against despatch+10% after rec

**Partners and Delivery Information**  
[Details](#) | [Send E-Mail](#) | [Call](#) | [Clear](#)

Function	Number	Name	Valid fr
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Service and Delive  
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 Created B  
 Last Processed O  
 Last Processed B

**On “EDIT” Mode- The following screen will appear. Bidders are advised to Upload “Techno-Commercial Unpriced Bid” and “Priced Bid” in the places as indicated above:**

**Edit RFX Response:**

Submit | Read Only | Print Preview | Check | Technical RFX Response | Close | Save

Bid on "EDIT" Mode

RFX Response Number 60006452 RFX Number TEST2 Status Withdrawn Submission Deadline 13.04.2013 11:00:00 INDIA  
 RFX Owner WIPRO\_TEST1 Total Value 0.00 INR RFX Response Version Number 2 RFX Version Number 5

RFX Information | Items | **Notes and Attachments** | Conditions

**Notes**

Add Clear

Assigned To	Category	Text Preview

Area for uploading Techno-Commercial Unpriced Bid\*

**Attachments**

Sign Attachment Add Attachment Edit Description Versioning Delete Create Qual

Assigned To	Category	Description	File Name	Version	Processor	Checked
The table does not contain any data						

Area for uploading Priced Bid\*\*

**Note :**

- \* The "Techno-Commercial Unpriced Bid" shall contain all techno-commercial details **except the prices.**
- \*\* The "Price bid" must contain the price schedule and the bidder's commercial terms and conditions. For uploading Price Bid, first click on Sign Attachment, a browser window will open, select the file from the PC and click on Sign to sign the Sign. On Signing a new file with extension .SSIG will be created. Close that window. Next click on Add Attachment, a browser window will open, select the .SSIG signed file from the PC and name the file under Description, Assigned to General Data and click on OK to save the File.

- 6.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.
- 7.0 Other terms and conditions of the tender shall be as per "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) and its amendments. However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.
- 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. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. 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.

OIL's Independent External Monitors at present are as under:

- (I) SHRI N. GOPALASWAMI, I.A.S ( Retd) ,**  
**Former Chief Election Commissioner of India**  
**E-mail Id : [gopalaswamin@gmail.com](mailto:gopalaswamin@gmail.com)**
  
- (II) SHRI RAMESH CHANDRA AGARWAL , IPS( Retd)**  
**Former Director General of Police**  
**E-mail Id : [rcagarwal@rediffmail.com](mailto:rcagarwal@rediffmail.com)**

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**SECTION – I**

**SCOPE OF SUPPLY : SUPPLY, INSTALLATION & COMMISSIONING OF MEASUREMENT WHILE DRILLING [MWD] SYSTEM WITH ACCESSORIES.**

**QUANTITY : 1 No.**

**THE DETAILS SPECIFICATION OF THE MWD UNIT ARE AS FOLLOWS:**

1. TYPE: Bottom/Top Mounted Retrievable, positive mud pulse system.
2. TOOL OUTER DIAMETER: 1.3/4"- 1.7/8" approx.
3. LENGTH OF TOOL: As per design.
4. DLS per 100 feet: 0° - 7°
6. FLOW RANGE (US-GPM): 300 - 1250
7. MAX OPERATING TEMPERATURE: 150° C
8. MAX OPERATING PRESSURE (PSI): 15000 - 25000
9. WIRE LINE RETRIEVABILITY: Required
10. REAL TIME UPDATES: = < 45 Seconds
11. SURVEY TIME: = < 180 Seconds
12. DIRECTIONAL MEASUREMENT POINT FROM BIT: As near as possible with GAMMA
13. MEASUREMENT ACCURACY:
  - (a) AZIMUTH: ± 1.5° or Less
  - (b) TOOLFACE: ± 1.5° or less
  - (c) INCLINATION: ± 2° or less
14. POWER SOURCE: Battery operated/ turbine operated or both  
(Battery life: not less than 400 hrs)
15. GAMMA DETECTOR TYPE: API GR
16. GAMMA REAL TIME: Required
17. GAMMA MEASUREMENT POINT FROM BOTTOM OF THE TOOL: 3-5 meter range.
18. DATA TRANSMISSION RATE (bits/sec): Not less than 01 (one) bps
19. LOST CIRCULATION MATERIAL: 40 - 50 ppb (pound per barrel)\*
20. The MWD tool must fit into 30 feet standard length of NMDC of 6.1/2" OD x 2.13/16" ID x 4"IF API Box and Pin, 8"OD x 3"ID x 6.5/8" Reg API Pin and Box and 9.1/2"OD x 3"ID x 7.5/8" Reg API Pin and Box. The size of the fin type centralizers of the MWD tools should match properly with ID of the NMDC.
21. The MWD tools should be complete with compatible UBHO of 91/2" OD x 7.5/8" Reg API Pin and Box size for 17.1/2" Hole, UBHO of 8" OD x 6.5/8" Reg API Pin and Box size for 12.1/4" Hole & 6.1/2" OD x 4"IF API Pin and Box size for 8.1/2" Hole section.
22. Allowable Maximum SHOCK: 1000 G, 0.5 millisecond, 0.5 sine all axes.
23. Allowable Maximum VIBRATION: 15-500 Hz, 20g
24. CENTRALIZERS: Rubber fin type
25. MWD TOOL WILL BE OPERATED UNDER THE FOLLOWING MUD PARAMETERS: The bidder has to confirm at the time of bidding about the compatibility of the tool under the following mud parameters.
  - (a) Mud Density: 7.5 ppg- 18 ppg
  - (b) Sand content: < 2%
  - (c) AV: 20-25 cp
  - (d) PV: 5-10 cp
  - (e) YV: 20-30 lbs/100 sq ft

(f) pH: 8.5-9.5

(g) MF viscosity: 45-55 secs

\* Maximum size of LCM material is to be mentioned for compatibility with the offered MWD. The Pilot valve thrust of Positive Pulsar should be able to provide high tolerance to LCM.

**ACCESORRIES AND SPARES TO BE SUPPLIED WITH THE MOTHER ITEM:**

1. UBHO, 9.1/2" OD x 7.5/8" Reg API Pin and Box =1 (Extra)
2. UBHO, 8" OD x 6.5/8" Reg API Pin and Box =1 (Extra)
3. UBHO, 6.1/2" OD x 4" IF API Pin and Box =1 (Extra)
4. Drill pipe Strainer = 2 quantity.
5. Mule Shoe Assembly for 9.1/2" OD UBHO & 8" OD UBHO = 2 quantity (extra)
6. Mule Shoe Assembly for 6.1/2" OD UBHO = 2 quantity (extra).
7. Keys for all sizes of the Mule Shoe Assembly = 10 quantity of each size.
8. Rubber seal for Mule Shoe Assembly = 20 quantity of each size.
9. Stinger Assembly = 1 quantity (extra).

**SURFACE SYSTEM:**

1. Touch screen unit and it should be window based having full colour graphic LCD screen. The display should be sunlight readable. Memory capacity not less than 20GB.
2. Dimension/Weight: It should be compact for optimum rig floor placement.
3. Communication: Two way wireless communication to be provided between rig a floor and work station.
4. Pressure Transducer, Hook load sensor, depth encoder and plotter to be provided.

**SPECIFICATION OF SURFACE SYSTEM:**

Surface System -----ASI (surface area interface)

Rig floor display -----Certified zone-1, intrinsically safe.

Pressure Transducer -----4 - 20 mA, 0 - 500 psi, Zone-1, Intrinsically safe.

Hook load sensor -----4 - 20 mA, 0 - 100 klb , Zone 1 , Intrinsically safe.

Depth Encoder -----Incremental, Two channel in quadrature, Zone-1, Intrinsically safe.

Plotter -----Printrex Thermal plotter.

**RECOMMENDED SPARE LIST:**

1. The bidder is required to submit a list of all the recommended spares (electronic, electrical, mechanical, hydraulic etc.), accessories and consumables for the MWD UNIT.
2. This recommended spare parts list should contain Description, Part Number, quantity of each item and the unit price. However the price of the spares will not be considered for evaluation of the tender. The quantity of items recommended must be sufficient to cater 02 years of uninterrupted break down operation and maintenance. This is required for OIL's future reference / procurement only, and will not be considered for bid evaluation.

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## **SECTION – II**

### **1.0 TRAINING OF TECHNICAL PERSONNEL:**

- 1.1 Bidder must confirm to provide training to OIL technical personnel as per detail given below . Bidder must quote separately on lumpsum basis for Training of the MWD system which shall be considered for price evaluation of the offer.
- 1.2 The bidder will have to provide training for 4 (Four) Field Engineers, 3(three) Maintenance Engineers at their training school which is equipped with Test Well and all other requisite facilities. The training charges, if any, should be quoted separately which shall be considered for evaluation of the bid. However, passage and living expenses, including accommodation charges of OIL Engineers nominated for the training courses will be borne by OIL.
- 1.3 **FIELD ENGINEERS' TRAINING:** This should include detailed aspects of MWD operations and basic equipment trouble shooting at Base and at Field, in addition to the regular curriculum for Field Engineers' Training Course, duration of the training period, location of training and prerequisite of the trainees if any, etc. should be clearly specified in the bid document.
- 1.4 **MAINTENANCE ENGINEERS' TRAINING:** This should include detailed theoretical and practical training on the MWD surface system hardware & software, downhole MWD tools in addition to the regular curriculum of Maintenance Engineers' Training course, duration of the training period, location of training and prerequisite of the trainees, if any, etc. should be clearly specified in the bid document.

### **2.0 PRE DESPATCH INSPECTION CUM ACCEPTANCE:**

The supplier shall facilitate pre-dispatch inspection of the MWD unit at their Plant/Works for a minimum period of ten (10) days by 3 Engineers in senior level from OIL at no additional cost to OIL. However passage and living expenses, including accommodation charges of OIL Executives nominated to carry out the inspection work will be borne by OIL. The inspection cum acceptance process will include the following minimum tasks / steps:

- (a) Physical verification of all the items as per the Purchase Order.
- (b) Verification of all records of Pressure, Temperature, Shock and Vibration testing. Test run the unit at suppliers work place with maximum ratings as per order.
- (c) Checking of Export Invoices and discussing necessary modalities for safe transportation of the goods.
- (d) Technical discussions on any deviations from the Purchase order and provide feed back to OIL with technical justifications for approval of the order amendment by the competent authority.
- (e) Inspection of Manuals and other Engineering Documents.
- (f) The Inspection and Acceptance report would be prepared jointly and signed by representatives of both the parties at the end of the inspection process.



- (g) The supplier shall confirm in writing compliance of all the points raised in the minutes of inspection as well as any other subsequent additions / changes.
- (h) After completion of the inspection, the supplier will effect dispatch of the unit only on receipt of OIL's dispatch advice.
- (i) After finalizing the tentative readiness of the equipment, the successful bidder should communicate the proposed inspection schedule to OIL, with the confirmed date for inspection, at least three months in advance. OIL, in turn, will confirm the scheduled date of visit of its personnel one month in advance to the successful bidder.
- (j) Immediately after placement of the Purchase Order, the successful bidder should communicate the proposed training schedule to OIL for the Field Engineers, Maintenance Engineers, at least 04 (four) months in advance for each training program. OIL in turn will confirm acceptance of the schedule of training at least one month in advance for each program.

### **3.0 ANNUAL MAINTENANCE:**

Bidder shall have to quote for Annual Maintenance Contract (AMC) of the MWD for a period of 2 years. The cost of the AMC shall be part of evaluation of the tender. However decision of availing the AMC shall be under the discretion of OIL. A separate contract with the successful bidder shall be entered with OIL for AMC of the equipment at the quoted rate and with the following terms and condition:

- 3.1 AMC will begin only after successful completion of warranty period.
- 3.2 A total of 4 (Four) visits which includes 2 (Two) visits per year shall have to be performed by the successful bidder under the AMC for preventive maintenance of the MWD tool.
- 3.3 In addition to above visits the successful bidder shall have to mobilize their experts for repair of failure equipment on call out basis within 15 days from issuance of notice from OIL within the AMC period.
- 3.4 While quoting the charges on call-out basis, bidders should include all to and fro fares, boarding/lodging and other expenses of their Engineer(s) during their stay at Duliajan.
- 3.5 OIL may consider providing its guest house facility on chargeable basis subject to availability.
- 3.6 All service, In-come, corporate taxes etc. towards providing these services shall be borne by the successful bidder and will be deducted at source at the time of releasing the payment.
- 3.7 Payment against the AMC shall be released half yearly after every successful visit of the experts on submission of relevant Invoices.
- 3.8 All necessary hand tools & equipments and man power required for the AMC shall have to be arranged by the Bidder.
- 3.9 On each of the visit the successful bidder has to calibrate the MWD system. Necessary tools and equipment for carrying out the calibration has to be arranged by the successful bidder.

- 3.10 AMC will include supply of all the spares required to maintain the system including manpower required for the job. The Bidder has to quote the list of spares with price that are required for preventive maintenance of the MWD system.
- 3.11 Any other main item other than spares that may require during the course of the AMC shall be supplied and assembled by the contractor. However the charges of these item shall be paid to the contractor as per actual upon receipt of invoice of the same. The contractor shall have to confirm that the price of the part so invoiced is the company list price and they have not supplied the same to any other party at a lesser price than this. To this effect the contractor should submit relevant documentary evidence to substantiate.
- 3.12 Other terms and condition of the AMC shall be finalized on mutual agreement.

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## SECTION - III

### **1.0 INSTALLATION & COMMISSIONING:**

- 1.1 Bidder must quote separately on Lumpsum basis for Installation and Commissioning of the MWD unit which shall be considered for price evaluation of the offers.
- 1.2 Installation and commissioning includes commissioning of the MWD Unit, testing of all the down-hole tools in the well and testing of all other goods supplied. The bidder will have to depute personnel with good communication capability in English and with minimum of five years experience in operations and maintenance of MWD Unit and down-hole tools, to OIL, Duliajan for field commissioning of the entire equipment. The bidders must quote for Lumpsum commissioning charges which should include to and fro air-fare of their personnel. OIL will only provide accommodation, local transport, and food to the bidder's personnel free of charge. Immediately after receipt of all the materials by OIL at Duliajan, a written advice will be issued to the supplier asking them to commence installation and commissioning, which must be promptly acknowledged by the supplier. **Commissioning of the MWD Unit along with all the down-hole tools and other accessories is to be completed within 04 (four) months from the date of receipt of such an advice from OIL (this four months period excludes the waiting time for well readiness).** Supply of short-shipped and warranty replacement items is to be arranged, including Customs Clearance etc. by the suppliers or their authorized representatives at their cost within 03 (three) months from the date of completion of commissioning of the entire equipment. The bidder will be held responsible for any further delay in completion of commissioning of the goods at site and in case of defaulter, the Liquidated Damage Clause will be made applicable.
- 1.3 MWD Unit tool must perform at least 03 nos. of successful jobs in three different wells. Each of these deviation drilling jobs will have to be carried out in a well-depth of ranging from 1800 meters to 2500 meters (approx.) or more and the horizontal displacement is about 900 meter. Also successful bidder is to provide necessary training of OIL's personnel at Duliajan during field execution of MWD system in all above mentioned three nos of wells.

### **2.0 WARRANTY:**

- 2.1 Oil India Limited (OIL) reserves the right to inspect, test and wherever necessary, reject the goods after arrival of the goods at site, only if the said rejection is attributed to be the responsibility of the Bidder. It shall, in no way be limited or waived by reason of the goods being previously inspected, tested and passed by OIL or its representatives prior to the goods shipment from the country of origin.
- 2.2 Materials supplied as per the Purchase Order should be under warranty by the suppliers for **a minimum period of 01 (one) year from the date of successful completion of installation and commissioning of the entire equipment at site.** Any item / sub item failed during the above mentioned warranty period is to be replaced / repaired within 03 (three) months from the date of notification of such failure. The warranty of the repaired / replaced items shall be correspondingly extended by a period equal to that from the date of failure to the date of commissioning of the replaced/repaired item. In order to keep the equipment fully operational, all spares and accessories required during the warranty period is to be arranged at site by the suppliers or their authorized representatives, within 03 (three) months, at their cost (including Customs Clearance etc.)

### **3.0 DEVIATIONS FROM THE TECHNICAL SPECIFICATIONS:**

The bidder must quote as per the tender requirement only and provide FULL INFORMATION wherever applicable in the bid. Bidders' response to each clause of the NIT must be submitted in a tabular format as shown in Annexure - A with appropriate reference to the main quote. After opening of the bids, in case any technical clarification is required on any bid, OIL will seek clarification from that bidder and the bidder will have to reply/clarify with complete details within the specified time mentioned by OIL. If not complied, that particular bid will not be considered for evaluation.

### **4.0 The bidder must respond to each and every clause in the NIT in a tabular form as per ANNEXURE – A.**

#### **NOTE:**

1. Detailed specifications of all the items should be provided.
2. The bids and the accompanied technical documentation must be in English language only. The bids with other than English language must have an English version.
3. The bidders must confirm that the offered MWD Unit shall perform at the desired rate and parameters as mentioned in clause of Technical Specification.
4. MWD together with its accessories should be from the same source for compatibility.
5. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations.
6. The bidder should forward Operation, Service & Maintenance manual (indicating assembling & disassembling procedures, drawing and spare parts book having illustrated drawings and exploded views of the items with part no). One set must be forwarded with the quotation and three sets with the consignment.
7. The bidder should forward a list of recommended spares for two years operation indicating year wise requirement with breakup of such spares indicating price and part no of each & every item. However the cost of these spares will not be considered for bid evaluation purpose.
8. All parts should be suitably marked for identification purpose. Additionally P.O. No. should be die stamped on the body (in the event of order).
9. The item should be suitably coated with a protective coating both internally & externally to prevent corrosion and rusting during transit.
10. Bidder must sign & submit the technical check list enclosed with this tender.
11. Bidder must indicate the name of manufacturer & country of origin.
12. All the item will be procured from the same source and the bidder is to quote for all the items with accessories.
13. The bidder must specify the offered item in details & should forward relevant product catalogue with drawing & literature of the offered item.

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**BID REJECTION CRITERIA & BID EVALUATION CRITERIA****(I) BID REJECTION CRITERIA:**

The bids shall conform generally to the specifications and terms as well as conditions laid out in the tender. Bids will be rejected in case the items offered do not conform to the required parameters stipulated in the technical specifications and to the respective international / national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements will have to be met by the bids, without which, the same shall be considered as non-responsive and stand rejected at ab-initio.

**(A) TECHNICAL:****1.0 BIDDER'S QUALIFICATION:**

- 1.1 The bidder should be an Original Equipment Manufacturer (OEM) having experience in manufacturing of MWD Unit.
- 1.2 Bidder must confirmed that they have manufactured and have supplied minimum 05 nos. of MWD Units to various companies which are in business of "Exploration and Production of Hydrocarbons" and / or Oil Field Service providers in last 05 years prior to date of closing of the bid.
- 1.3 Documentary evidence in respect of the above should be submitted in the form of copies of relevant Purchase Orders along-with copies of any of the documents in respect of satisfactory execution of each of those purchase orders, such as:
  - i) Satisfactory inspection report OR
  - ii) Satisfactory supply completion / Installation report OR
  - iii) Consignee receipt delivery challan OR
  - iv) Central excise gate pass/tax invoice issued under relevant rules of central excise/VAT OR
  - v) Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase order cited above.
- 1.4 Bidder must confirm that out of these 05 nos. of MWD Units minimum 02 nos. of MWD Units must have been supplied to at least one country other than their country of origin.

**2.0 COMMITMENT FOR SPARES :**

Bidders must confirm to supply all the spares and consumables on chargeable basis as and when required for a minimum period of 10 (Ten) years from the date of closing of the bid.

**3.0 PERIODIC UPGRADATION OF SOFTWARE:**

Bidders should confirm to offer free periodic updating / up-gradation of the Software whenever new version of the software is commercialized.

#### **4.0 TRAINING OF TECHNICAL PERSONNEL:**

Bidder must confirm to provide training to technical personnel of OIL as per details given in the SECTION-II.

#### **(B) COMMERCIAL :**

- 1.0 Bids are invited under Single Stage Two Bid System. Bidders shall quote accordingly under Single Stage Two Bid System. Any offer not complying with the above will be rejected straightaway.
- 2.0 **Bid security of US \$ 38,250.00 or Rs. 17,21,000.00** shall be furnished as a part of the TECHNICAL BID (refer Clause Nos.9.0 & 12.0 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)). **Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration.** For exemption for submission of Bid Security, please refer Clause No. 9.8 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). The Bid Security shall be valid for 240 days from the date of bid opening.
- 3.0 Validity of the bid shall be minimum 6 months (180 days) from Bid closing date. Bids with lesser validity will be rejected.
- 4.0 Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of eighteen months from the date of shipment/dispatch or twelve months from the date of commissioning whichever is earlier against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses and no extra cost to OIL.
- 5.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for one year from the date of receipt/acceptance of goods or 18 months from the date of shipment whichever is earlier. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.
- 6.0 Bidders are required to submit the summary of the prices in their commercial bids as per bid format (Summary), given below:

##### **(i) Price Bid Format ( SUMMARY ) for Foreign Bidders :**

- (A) Material value including accessories & spares to be supplied with mother item
- (B) Packing & FOB Charges for all items
- (C) Total FOB Port of Shipment value ( A + B ) above
- (D) Ocean Freight upto Kolkata (India) port
- (E) Insurance Charges
- (F) Total CIF Kolkata value, ( C + D + E )
- (G) Pre-Despatch/Shipment Inspection charges by OIL personnel, if any
- (H) Installation & Commissioning charges
- (I) Training charges

- (J) Comprehensive AMC charges for 2 years with year wise break up
- (K) Total Value, ( F + G + H + I + J ) above
- (L) Total value in words :
- (M) Gross Weight :
- (N) Gross Volume :

**(ii) Price Bid Format ( SUMMARY ) for Indigenous Bidders :**

- (A) Material value including accessories & spares to be supplied with mother item
- (B) Packing and Forwarding Charges for all items
- (C) Total Ex-works value ( A + B )
- (D) Sales Tax, (Please indicate applicable rate of Tax)
- (E) Total FOR Despatching station price, ( C + D ) above
- (F) Road Transportation charges to Duliajan
- (G) Insurance Charges
- (H) Total FOR Duliajan value, ( E + F + G ) above
- (I) Pre-Despatch/Shipment Inspection charges, if any
- (J) Installation & Commissioning charges
- (K) Training charges
- (L) Comprehensive AMC charges for 2 years with year wise break up
- (M) Total Value, ( H + I + J + K + L ) above
- (N) Total value in words :
- (O) Gross Weight :
- (P) Gross Volume :

7.0 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. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. 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.

**(II) BID EVALUATION CRITERIA (BEC) :**

Bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria mentioned in Section D of "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005.

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**TECHNICAL CHECKLIST**

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT "Yes" OR "No" TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

1	Bidder has experience of manufacturing MWD system and documentary evidence of supplying minimum 5 no such MWD sets in last past 5 years to be provided.	Yes/no
2	Whether separately highlighted any deviation from the technical specifications?	Yes / No
3	Whether spares, special tools have been included in the offer?	Yes / No
4	Whether spares shall be available for 10 years after supply of equipment?	Yes / No
5	Whether the offered MWD system is bottom Mount Retrievable / Reset able/ Re-useable?	Yes / No
6	Whether the tool outer diameter of the tool is in the range of 1.3/4" – 1.7/8"?	Yes / No
7	Whether the length of the MWD tool is limited to approximately 24 feet only for direction measurement?	Yes / No
8	Whether the length of the MWD tool is limited to approximately 31 feet for direction & GAMMA ray measurement?	Yes / No
9	Whether the DLS per 100 feet is in the range 0 degree – 7 deg.?	Yes / No
10	Whether the flow range is in the range 300-1250 GPM (US)?	Yes / No
11	Whether the maximum operating temperature is 150 deg C?	Yes / No
12	Whether the maximum operating pressure is 15,000-25,000 psi?	Yes / No
13	Whether the tool is retrievable/re-seatable by wire line?	Yes / No
14	Whether the real time update period is less than or equal to 45 second?	Yes / No
15	Whether the survey time is less than or equal to 180 second?	Yes / No
16	Whether the sensor inclination accuracy is less than $\pm 2$ deg. (for 0 – 180 deg) ?	Yes / No
17	Whether the sensor azimuth accuracy is less than $\pm 1.5$ deg (for 0 – 360 deg) ?	Yes / No
18	Whether the sensor tool face accuracy is less than $\pm 1.5$ deg (for 0 – 360 deg)?	Yes / No
19	Whether the power source operating life is > 150 hrs?	Yes / No
20	Whether the GAMMA detector type is API GR ?	Yes / No



21	Whether the data transmission rate is greater than 1 bps?	Yes / No
22	Whether the offered MWD system is compatible with LCM materials of size 40-50 ppb?	Yes / No
23	Whether the offered MWD system pilot valve thrust of positive pulsar is able to provide high tolerance to LCM?	Yes / No
24	Whether the pulse size can be adjusted?	Yes / No
25	Whether the MWD system is compatible in operating mud weight range of 7.5 ppg – 18 ppg?	Yes / No
26	Whether the MWD system is compatible for shock 1000G, 0.5 millisecond, 0.5 sine all axes?	Yes / No
27	Whether the MWD system is compatible for vibration 30-500 Hz, 30g sine all axes?	Yes / No
28	Whether the MWD system centralizers are of rubber fin type?	Yes / No
29	Whether the MWD system is having depth tracking system?	Yes / No
30	Whether the rig display is touch screen type?	Yes / No
31	Whether a list of recommended spares for 2 year operation is provided?	Yes / No
32	Whether the MWD system is complete in respect of its application as per requirement of the NIT?	Yes / No
33	Whether pre despatch inspection and training at supplier's work will be imparted?	Yes / No
34	Whether commissioning, installation and operational training at Duliajan will be imparted?	Yes / No
35	Whether all necessary software is being provided as per requirement?	Yes / No
36	Whether all authenticated certificates against requirement are provided along with the offer?	Yes / No
37	Whether undertaking for supplying spares for next 10 years provided?	Yes / No
38	Whether MTBF of the Tool is more than 1000 hrs?	Yes / No
39	Whether the Surface Rig Display [SRD] is having full colour graphics LCD screen?	Yes / No
40	Whether the SRD is sunlight readable having backlight?	Yes / No
41	Whether memory capacity of SRD is minimum 20 GB?	Yes / No
42	Whether SRD is robust & compact for optimum rig floor placement?	Yes / No
43	Whether stand-pipe pressure transducer is provided?	Yes / No
44	Whether three sets of technical literature of complete MWD system for operation have been provided?	Yes / No
45	Whether catalogues have been provided with the offer?	Yes / No
46	Whether Electronic, Electrical fittings and equipments are suitable for	Yes/no

	hazardous oilfield area?	
47	Whether Make & Model of MWD Unit is furnished?	Yes / No
48	Whether 2 nos of Laptop loaded with suitable with suitable software will be provided?	Yes / No
49	Whether buy back provision of battery exists after use?	Yes / No
50	Whether Lithium battery is rechargeable?	Yes / No

**( B) COMMERCIAL CHECK LIST**

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT "Yes" OR "No" TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

<u>Sl#</u>	<u>REQUIREMENT</u>	<u>Compliance</u>
1.0	Whether bid submitted under Single Stage Two Bid System?	YES/NO
2.0	Whether quoted as manufacturer ?	YES/NO
2.1	Whether quoted as Supply House / Distributor. To Specify-	YES/NO
2.2	If quoted as Supply House / Distributor,	
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Supply House for the product offered ?	
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	YES/NO
3.0	Whether ORIGINAL Bid Bond in Revised Format -ANNEXURE VII (not copy of Bid Bond) Sent separately? If YES, provide details	YES/NO
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
3.1	Whether offered firm prices?	YES/NO
3.2	Whether quoted offer validity of 6 months(180 days) from the date of closing of tender?	YES/NO
3.3	Whether quoted a firm delivery period?	YES/NO
3.4	Whether agreed to the NIT Warranty clause?	YES/NO
3.5	Whether confirmed to submit PBG as asked for in NIT?	YES/NO
3.5.1	Whether agreed to submit PBG within 30 days of placement of order?	YES/NO
3.6	Whether Price submitted as per Price Schedule(refer Para 6.0 of BRC vide Annexure – II)	YES/NO
3.6.1	Whether cost of Recommended Spares for 2 years of operations quoted?	YES/NO
3.7	Whether quoted as per NIT (without any deviations)?	YES/NO
3.7.1	Whether quoted any deviation?	YES/NO
3.7.2	Whether deviation separately highlighted?	YES/NO
3.8	Whether indicated the country of origin for the items quoted?	YES/NO
3.8.1	Whether technical literature / catalogue enclosed?	YES/NO

3.8.2	Whether weight & volume of items offered indicated?	YES/NO
4.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding ?	YES/NO
4.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	YES/NO
4.2	Whether Indian Agent applicable?	YES/NO
	If YES, whether following details of Indian Agent provided?	YES/NO
	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
5.0	For Indian bidders – Whether indicated the place from where the goods will be dispatched. To specify :	YES/NO
5.1	For Indian bidders – Whether road transportation charges up to Duliajan quoted?	YES/NO
5.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	YES/NO
5.3	For Indian Bidders only - Whether indicated import content in the offer?	YES/NO
5.4	For Indian Bidders only - Whether offered Deemed Export prices?	YES/NO
5.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	YES/NO
6.0	Whether all BRC/BEC clauses accepted?	YES/NO
7.0	Whether Integrity Pact with digital signature uploaded?	YES/NO
7.1	Whether all the clauses in the Integrity Pact have been accepted?	YES/NO

Signature \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

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#### **ANNEXURE – A**

OIL NIT Clause No.	OIL NIT Clause Description	Bidder's Response	Any Deviation from NIT Clause (Yes / No)	Reason for Deviation

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