



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

Telephone No. (91-374) 2808724

Fax No: (91-374) 2800533

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

Tender No. & Date: **SDG 0171P16/07 dated: 06.02.2016**

Tender Fee : **INR 4,500.00** OR **USD 100.00**
Bid Security Amount : **INR 203,660.00** OR **USD 3,000.00**

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

Bid Closing on : **20.04.2016 (at 11.00 Hrs. IST)**

Bid Opening on : **20.04.2016 (at 14.00 Hrs. IST)**

Performance Guarantee : **Applicable**

OIL INDIA LIMITED invites Global Tenders for items detailed below:

Item No.	MATERIAL DESCRIPTION	QTY.	UOM
<u>10</u>	<p>TECHNICAL SPECIFICATION OF ULTRASONIC FLAW DETECTOR & WHEEL PROBE</p> <p>1.0 SCOPE OF SUPPLY</p> <p>1.1 Supply of Brand new portable Digital Ultrasonic Flaw Detector Equipment along with all accessories complete for in-service weld inspection & corrosion mapping of various components. The major components are ferrous and ferrous alloy components like pipes, vessel, storage tanks, equipment etc.</p> <p>1.2 Supply of Brand new Wheel Probe for corrosion mapping. The equipment should be capable of detecting flaws in metal (Flat and round / curved surfaces) thickness of 5 to 300 mm. The major components are ferrous and ferrous alloy components like pipes, vessel, storage tanks, equipment etc. Other materials are Stainless Steel, Titanium, Phosphor Bronze, Aluminium Alloys and Composite material.</p> <p>1.3 The scope of work also includes supply, installation & Commissioning & imparting training of the Digital Ultrasonic Flaw Detector Equipment and Corrosion Wheel Probe Equipment along with all accessories complete for both the items with actual testing & result of the tests at OIL's premises up to the satisfaction of Oil India Limited.</p>	01	No.

	<p>2.0 DETAIL TECHNICAL SPECIFICATIONS:</p> <p>2.1 SPECIFICATION FOR ULTRASONIC FLAW DETECTOR</p> <p>a) Ultrasonic Flaw Detector Equipment: The Ultrasonic Flaw Detector equipment should be automated digital and capable to perform ultrasonic phase array inspection and time of flight diffraction (TOFD) simultaneously.</p> <p>b) The equipment should be rugged and portable, simple in operation. It should able to do General Weld inspection, crack detection & sizing, AWS D1.1/D1.5 weld inspection, Casting & forging defect inspections, DGS/AVG defect sizing, in-line inspections, composite delamination, and any other defect inspections etc.</p> <p>c) The equipment should be capable of detecting flaws in metal (Flat and round / curved surfaces) thickness of 5 to 300 mm. The major components are ferrous and ferrous alloy components like pipes, vessel, storage tanks, equipment etc. Other materials are Stainless Steel, Titanium, Phosphor Bronze, Aluminium Alloys and Composite material.</p> <p>d) The equipment should be able to use with Wheel Probe used for corrosion mapping. It should be capable to scan flat and curved surfaces.</p> <p>e) The equipment shall be lightweight, portable, suitable to be carried by the operator himself in a carrying case.</p> <p>f) The equipment shall be robust in construction, amenable for use in Indian field and ambient conditions, reliable of good workmanship and capable of providing trouble free service for the intended application. Necessary test certificates to be provided for evidence of the same.</p> <p>g) It should be able to be continuously used for minimum 6 hours without any drop in performance through battery. Battery Type should be Lithium -ion rechargeable standard with rechargeable adopter.</p> <p>h) The display screen of the equipment shall have good visibility in the light. The equipment shall be supplied complete with all accessories.</p> <p>i) The equipment should be simple in operation. The equipment should be able to perform multiple scans from different probes and at the same time to be displayed and</p>		
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	<p>evaluated. Multiple sectorial scans, true top, and end view extractions plus C-Scans are to be supported by the equipment. TOFD and Phased Array inspections to be carried out in tandem at full scanning speed and with up to minimum 3GB data files large areas to be inspected more efficiently. Full resolution waveform data to be stored directly to a removable USB data key for ease of back up and transfer to PC.</p> <p>j) The Ultrasonic Flaw Detector should have High Resolution colour LED/LCD/TFT Screen (approx. 7 inches) with minimum 640x480 pixels providing high visibility in all weather conditions, with the highest display to size ratio.</p> <p>k) PC Data Management and reporting: The equipment should be provided with a PC based software for phased array ,TOFD,coventional configuration development, data analysis and report generation. Reports should be easily generated and should be able to extract into PDF format. The equipment should have suitable port arrangement to connect it to printer. The system must be able to provide the comprehensive result of the analysis with display and should have capacity to store and process the data. Data storage should be either in built or removable memory minimum 512 MB for storage of raw data, waveform, setup, program etc.Data Storage onboard upto 3 GB, removable 8 GB flash card.</p> <p>l) The system should be provided along with the equipment to generate hard copy of the result of the analysis.</p> <p>m) The equipment should use language "English" for all purposes</p> <p>n) The equipment and probes should be supplied with calibration certificates from the Govt. approved laboratories. Standard reference blocks to be provided.</p> <p>o) The equipment should be capable of operating both in Single Crystal and Double Crystal Mode</p> <p>p) The equipement should be capable of scanning the weld using 0degree,45 degree,60degree,70 degree (Tandem Technique) for detection of defects.</p> <p>q) The equipment must be able do to required measurements to detect & locate the defect in the weld etc. The measurements should be in millimeters, inches or microseconds.</p>		
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<p>r) The equipment should have facility of battery level indicator to show its condition. Automatic cut-off switch should be provided to protect against deep discharge of battery below the workable voltage.</p> <p>s) Automatic cut-off for battery and battery charger should be provided to protect the battery from over charge.</p> <p>t) Protection against overloading of the equipment should be provided by an automatic switch function (electronic fuse). The fuse shall be so located that the same can be easily attended to as and when necessary.</p> <p>u) The equipment should have calibration facility with all required accessories,parts,spares as per national/international standards. All calibration details along with documents wherever stipulated, all calibration software or other attachments to be provided along with the equipment.</p> <p>v) In addition to above, the following Technical Specifications given in Table -1 are to be met by the offered Ultrasonic Flaw Detector:</p> <p>(Table-1)</p> <table><tr><th>Sl. No.</th><th>Technical specification</th><th>Response of bidder in (YES/NO)</th></tr><tr><td>1)</td><td>Maximum Weight (with battery): 7 kg</td><td></td></tr><tr><td>2)</td><td>Overall Dimensions (WxHxD): (240-300mm)x(160 to 210 mm)x (90 -100mm)</td><td></td></tr><tr><td>3)</td><td>Maximum Display Dimensions: (Diagonally):152 mm (7.0 inch)</td><td></td></tr><tr><td>4)</td><td>Equipment Keypad & software Menu Languages: English</td><td></td></tr><tr><td>5)</td><td>Units of Measurements: Millimeters, Inches or microseconds</td><td></td></tr><tr><td>6)</td><td>Transducer Connections/socket: BNC or Large LEMO1 or small LEMO 00</td><td></td></tr><tr><td>7)</td><td>Input /Outputs: USB ports, VGA Output to be provided, analog Output,2 output lines for Alarm Output,</td><td></td></tr><tr><td>8)</td><td>Battery Type: Single Li-on</td><td></td></tr><tr><td>9)</td><td>Battery operation for single charge: Minimum 6 hrs</td><td></td></tr><tr><td>10)</td><td>Input Power requirements: AC Mains, Single Phase, 230V AC, Frequency: 50Hz</td><td></td></tr><tr><td>11)</td><td>Operating Temperature:0 degree Celcius to 45 degree Celcius</td><td></td></tr></table>	Sl. No.	Technical specification	Response of bidder in (YES/NO)	1)	Maximum Weight (with battery): 7 kg		2)	Overall Dimensions (WxHxD): (240-300mm)x(160 to 210 mm)x (90 -100mm)		3)	Maximum Display Dimensions: (Diagonally):152 mm (7.0 inch)		4)	Equipment Keypad & software Menu Languages: English		5)	Units of Measurements: Millimeters, Inches or microseconds		6)	Transducer Connections/socket: BNC or Large LEMO1 or small LEMO 00		7)	Input /Outputs: USB ports, VGA Output to be provided, analog Output,2 output lines for Alarm Output,		8)	Battery Type: Single Li-on		9)	Battery operation for single charge: Minimum 6 hrs		10)	Input Power requirements: AC Mains, Single Phase, 230V AC, Frequency: 50Hz		11)	Operating Temperature:0 degree Celcius to 45 degree Celcius			
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	<p>12) Environmental Ratings: IP 66 or equivalent; should be usable in rugged enough industrial environment</p> <p>13) Display Type: High Resolution Color LED/LCD/TFT Screen (Minimum 640 x 480 Pixels)</p> <p>14) Test Modes: Pulse Echo/Transmit-Receive/Pitch Catch Method</p> <p>15) Pulser Type :Square Wave/Spike Wave Form</p> <p>16) PRF: 3 Hz to 5 KHz</p> <p>17) Velocity:1270 to 12700 m/s (0.050 to 0.5000 in/μs); (Compliance & surpass)</p> <p>18) Zero Offset / Wedge Delay: 0 μs to 100 μs minimum (Compliance & Surpass)</p> <p>19) Frequency Operating Range: 0.3 MHz to 20 MHz (Compliance & Surpass)</p> <p>20) Vertical Linearity: ± 1% of FSH or better</p> <p>21) Amplifying accuracy : ± 0.1 dB or Better</p> <p>22) Horizontal Linearity: Less than 0.1% FSW</p> <p>23) Rectification: Full wave, positive half wave, Negative halfwave, RF</p> <p>24) Reject: 0 to 80% FSH with visual warning</p> <p>25) Amplitude Measurement: 0% to 100% FSH</p> <p>26) Gate Start: Variable over entire displayed range</p> <p>27) Gate Width: Variable from gate start to end of displayed range</p> <p>28) Gate Height: Variable from 5 % to 95% full screen height</p> <p>29) DAC and TCG points: Minimum 15 points (Compliance & Surpass)</p> <p>30) Pulse Width: Adjustable up to 1000ns ((Compliance & Surpass)</p> <p>31) Energy Settings: 50 V to 300 with maximum 50V increments or equivalent LOW/MED/HIGH (Compliance & Surpass)</p> <p>32) Gain: 0 to 100 Db Minimum and adjustable to minimum in 0.5,1, 2dB Steps</p> <p>33) Receiver Bandwidth : 0.5 MHz TO 15 MHz (@-3Db)</p> <p>34) Gates: Two fully independent gates</p>		
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	<p>(Gate 1 & Gate 2) for amplitude and Time of flight measurement and one interface gate (IF) for thickness measurement</p> <p>35) Measurement Mode: Thickness, soundpath, time of flight, echo-to-echo</p> <p>36) Alarm: Positive and Negative Threshold</p> <p>37) Refracted Angle Settings: 00 to 700 with minimum 5.00 increments</p> <p>38) Data Storage: Either in built or removable minimum 512 MB for storage of raw data, waveform, setup, program etc.</p> <p>(Compliance & Surpass)</p> <p>39) PC Data Management and reporting</p> <p>40) Accessories:</p> <p>i) Conventional Angle Beam Probes with Cable. - 2 no.</p> <p>ii) Normal / Straight Beam Probes with cable---2 no.</p> <p>iii) Softwares, Single user licence</p> <p>iv) Six numbers of electronic fuses</p> <p>vi) Calibration Certificate</p> <p>vii) USB Memory Stick, & other cards etc.</p> <p>viii) Lithium -Ion Battery Packs</p> <p>ix) Start Guide & User Manual</p> <p>x) Anti-Glare Screen Protector</p> <p>xi) Carrying Case</p> <p>xii) standard reference blocks for calibration to be provided</p> <p>2.2 TECHNICAL SPECIFICATION OF ULTRASONIC SYSTEM FOR CORROSION MAPPING</p> <p>1) The Wheel Probe must be able to do corrosion mapping of pipes, vessels, tanks etc. The major components are ferrous and ferrous alloy components like pipes, vessel, storage tanks, equipment etc. Other materials are Stainless Steel, Titanium, Phosphor Bronze, Aluminium Alloys and Composite material.</p> <p>2) The offered probe should have minimum 64 elements and cover minimum area of 50 mm. It should give results with better repeatability. It should be capable to scan flat and curved surfaces.</p> <p>3) The offered Wheel Probe must be able to work with the Ultrasonic Flaw Detector (Phased Array / TOFD mode) with scanning system complete.</p>		
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	<p>4) The automated Ultrasonic System should be for in service weldment of various components. The major components are ferrous and ferrous alloy pipes either coated or non-coated of diameter range from 100 mm to flat and the thickness from 9 mm to 200 mm.</p> <p>7) The equipment and probes should be supplied with calibration certificates from the Govt. approved laboratories.</p> <p>8) The equipment should be simple in operation and should not require additional power sources on the inspection site.</p> <p>9) The equipment must be able to give results as per national / international standard applicable and same should be able to store and should be able to give the analysis report in printed form (or pdf format).</p> <p>10) The Wheel Probe should be flexible to utilize in a completely manual basis for small area scans, such as for screening of pipe work, vessels or for scanning along the length (axial) of the pipe.</p> <p>11) The equipment should have calibration facility with all required accessories, parts, spares as per national/international standards. All calibration details alongwith documents wherever stipulated, all calibration software or other attachments to be provided alongwith the equipment.</p> <p>12) In addition to above, the following Technical Specifications given in Table -2 are to be met by the offered Corrosion Mapping device/equipment:</p> <p>(Table-2)</p> <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Technical specification</th><th>Response of bidder in (YES/NO)</th></tr> </thead> <tbody> <tr> <td colspan="3">1.0 ULTRASONIC EQUIPMENT</td></tr> <tr> <td>1.1</td><td>Capable of detecting flaws in metal (Flat and round surfaces) thickness of 5 to 300mm. Types of material are ferrous And ferrous alloys, Stainless steel, Titanium, Phosphor, Bronze, Aluminium Alloy and Composite material</td><td></td></tr> <tr> <td>1.2</td><td>Compact to handle, Weight not to exceed 7.00 kg along with lithium ion battery pack. Should be able to use with</td><td></td></tr> </tbody> </table>	Sl. No.	Technical specification	Response of bidder in (YES/NO)	1.0 ULTRASONIC EQUIPMENT			1.1	Capable of detecting flaws in metal (Flat and round surfaces) thickness of 5 to 300mm. Types of material are ferrous And ferrous alloys, Stainless steel, Titanium, Phosphor, Bronze, Aluminium Alloy and Composite material		1.2	Compact to handle, Weight not to exceed 7.00 kg along with lithium ion battery pack. Should be able to use with		
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<p>Wheel Probe.</p> <p>1.3 Display Type: Full VGA (Min 640 x 480 Pixels)</p> <p>Transflective Color LCD (Approx. 7 inch)</p> <p>1.4 Keypad: Should be in English</p> <p>1.5 Transducer : Transducer with suitable connections to be provided</p> <p>1.6 Data Storage onboard up to 3 GB, Removable 8 GB Flash Card</p> <p>1.7 Battery type : Single lithium ion rechargeable standard with rechargeable adapter</p> <p>1.8 Battery operation time: Min. 6 Hrs.</p> <p>1.9 Inputs/Outputs: USB Ports/ VGA output to be provided</p> <p>1.10 RS-232, VGA output standard, Analog Output: 2 analog outputs</p> <p>1.11 Encoder Outputs: 2-axis encoder line</p> <p>1.12 Power requirements AC Mains: 230V AC, 50Hz</p> <p>1.13 Environmental Ratings: With IP Rating & Shock Tested, Vibration Tested, Operating Temperature 5 degree Celcius to 45 degree Celcius</p> <p>1.14 The equipment and probes should be supplied with calibration certificates from the Govt. approved laboratories.</p> <p>1.15 Reference blocks: Standard reference blocks to be provided</p> <p>2.0 Pulser</p> <p>2.1 Tunable Square Wave</p> <p>2.2 PRF: Up to 6000 Hz in 5 Hz increments</p> <p>2.3 Pulse Width: Adjustable from 25 ns to 1000 ns (2.5ns or suitable resolution)</p> <p>3.0 Receiver:</p> <p>3.1 Gain: 0 to 80 dB</p> <p>3.2 Rectification: Fullwave, Positive Halfwave, Negative Halfwave, RF</p> <p>3.3 Reject : 0 to 80% FSH with visual warning</p> <p>3.4 Band width: 14 MHz</p> <p>3.5 Amplitude Measurement: 0% to 100% full screen height with 0.25% resolution</p> <p>4.0 Calibration:</p> <p>4.1 Velocity, Zero Offset</p> <p>4.2 Straight Beam (first back wall or echo-to-echo)</p> <p>4.3 Angle Beam (Soundpath or Depth)</p> <p>4.4 Test Modes: Pulse Echo, Dual, or Through Transmission</p> <p>4.5 Units: Millimeters, Inches, or Microseconds</p> <p>4.6 Velocity: 635 to 15240 m/s</p>		
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	<p>(0.0250 to 0.6000 in/μs)</p> <p>4.7 Zero Offset: 0 μs to 750 μs</p> <p>4.8 Refracted Angle: 0 degree to 75 degree in 0.1 degree increments</p> <p>5.0 Standard Accessories</p> <p>5.1 VGA output cable / USB Client cable</p> <p>5.2 Hardware I/O cable (analog / alarm outputs)</p> <p>5.3 External Battery Charger</p> <p>6.0 Probe:</p> <p>6.1 1-Wheel probe of 16 pulser / receiver driving up to 64 element encoded with 50 mm(appx.) wide strip B/C scan</p> <p>6.2 Wheel probe should have adjustable unit for Round bar (100mm to 300mm)</p> <p>6.3 2-probe to be provided for round surface Having dia of 12 mm to 100 mm (appx.)</p> <p>7.0 Gates:</p> <p>7.1 Measurement Gates 2 fully independent Gates for Amplitude and Time of Flight & Interface Gate Height variable from 2% to 95% full screen height</p> <p>7.2 Alarms: Positive and negative threshold</p> <p>7.3 Reference Cursors: 2 reference cursors for A-Scans</p> <p>8.0 Measurements:</p> <p>8.1 Displayed Measurement (manual or auto selection)</p> <p>8.2 Through depth measurement</p> <p>8.3 DAC Points up to 16 points</p> <p>8.4 Custom DAC (upto 4 curves)</p> <p>8.5 Curved Surface Correction Standard: ID or OD correction for angle beam measurements</p> <p>9.0 Software</p> <p>9.1 Instrument PC interface program, enabling inspectors to download inspection data, review measurements on a PC, export measurements and calibration data to common spreadsheet programs, back up calibration and inspection data from the instrument, and perform basic operations such as instrument firmware upgrades and screen captures</p> <p>10.0 Accessories:</p> <p>In addition to the followings all accessories required for complete functioning of the instrument to be provided along with the equipment</p> <ul style="list-style-type: none"> i) Calibration Certificate ii) Start Guide & User Manual iii) standard spares iv) carrying Case v) Standard reference blocks for calibration to be provided 		
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(A) GENERAL NOTES FOR E- TENDER:

- 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 Commercial Check list is furnished vide Annexure – B. Please ensure that the check list is properly filled up and uploaded along with Technical bid.
- 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 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 along with duplicate copies of Bid Security
 - b) Details Catalogue and any other document which have been specified to be submitted in original.
- 4.0 The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidder has to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The "Techno-commercial Unpriced Bid" 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".

Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.
- 5.0 In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that "TECHNO-COMMERCIAL UNPRICED BID" should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical RFX Response-> User - > Technical Bid. **No price should be given in above Technical Rfx otherwise the offer will be rejected.** Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFX Response-> User - > Technical Bid only. The "PRICE BID" must contain the price schedule and the bidder's commercial terms and conditions. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under "Notes & Attachments"
- 6.0 PRICED BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TO BE TECHNO-COMMERCIALLY ACCEPTABLE.
- 7.0 All the Bids must be Digitally Signed using "Class 3" digital certificate (*e-commerce application*) only 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" digital certificate, will be liable for rejection.
- 8.0 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.
- 9.0 **The Integrity Pact is applicable against this tender.** OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure XII of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be

returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. **If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway.**

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

1. SHRI RAJIV MATHUR, IPS(Retd.),

e-Mail ID : rajivmathur23@gmail.com

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(B) GENERAL NOTE FOR BIDDERS

1. The items shall be brand new, unused & of prime quality. The manufacturer 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 12 months from date of commissioning of the items. 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.

2. i) Entire equipment inclusive of all systems / accessories should be warranted against all the design, material or manufacturing defects. Any spares needed during this period shall be provided by the supplier free of cost.

ii) The equipment should run for trouble free operation during warranty period and necessary service shall be provided after sales.

iii) The instrument supplier has to demonstrate the performance of the instrument using applicable standards up to the satisfaction of OIL.

iv) Original catalogues with relevant features shall be supplied along with the bids.

v) Deviation from NIT requirements shall be clearly indicated in the bid under separate heading.

vi) All write ups, documents, certificates, manuals, correspondences etc. by the bidder must be in English.

vii) All hazards involved during operation / standby should be specifically mentioned along with necessary protective measures for the same.

viii) All necessary Materials Safety Data Sheet (MSDS) should be supplied along with the materials.

ix) Two sets of Operation & Maintenance manual shall be provided free of cost along with materials.

x) Bidder should submit safe operating procedure mentioning all hazard involved & Standard Operating Procedure along with the material indicating all the steps involved for operation.

xi) The OEM/authorized dealer shall submit undertaking to enter into Annual Maintenance Contract (AMC) for 2 years for the equipment to be supplied under the Purchase Order, if awarded to him by OIL.

3. Installation & Commissioning:

a) The successful bidder will be required to install and commission the equipment at Oil India Limited, Duliajan, Assam, India by OEM trained and authorized service engineer. The bidder shall be responsible for safety of its personnel and equipment during the commissioning work. During the installation & commissioning job, the bidder shall strictly ensure that all the cut ends of cables, packing materials, leftover items are

removed from site after completion of work. No environmental damage shall be done while carrying out the job.

- b) Installation and Commissioning charges, if any, must be quoted separately on lump sum basis which shall be considered for evaluation of the offer. Offers without indicating the Installation/Commissioning shall be treated as incomplete and non-responsive. Bidders shall confirm about the installation, commissioning while quoting. Any, pre-installation requirements are to be clearly indicated in the offer.
- c) While quoting installation and 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 will be to supplier's account and will be deducted at source.
- d) Offers without indicating the Installation/Commissioning charges shall be loaded with the maximum installation/commissioning charges received against this tender for evaluation purpose.
- e) 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.

4. ANNUAL MAINTENANCE CONTRACT (AMC):

- a) The rate for Non Comprehensive AMC for 02(two) years from the date of warranty is over should be quoted with year-wise breakup, which shall be taken into account for evaluation of the bids. However OIL reserves the right not to avail AMC also.
- b) The bidders must submit a written undertaking that they would be able to provide AMC service at the quoted rates after expiry of warranty.

5. TRAINING TO OIL PERSONNEL:

- a) The bidder shall arrange for training at their own work site for 1 to 2 persons. OIL shall provide all expenses for to & fro journey & stay of OIL's personnel.
- b) The bidder shall also arrange for training of 4 nos. of OIL personnel of the supplied equipment at OIL site to understand operation and maintenance of the system. Normally Training Duration should be within 2-3 days. However, training should continue till the satisfaction of OIL personnel and hence, it is dependent on the ability of the trainer. The bidder should provide experienced trainer for the same. Training charges (if any) should be quoted separately which will be considered for bid evaluation
- c) While quoting installation and 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 will be to supplier's account and will be deducted at source.

6.0 Packing:

- i) The packing shall be roadworthy for transportation up to site, sufficiently robust to withstand rough handling
- ii) Boxes/ packing cases containing electrical equipment shall be water & rodent proof.
- iii) All manuals, drawings, documents and digital items (discs) shall be separately packed and contained in rigid plastic pouches.

7.0 Inspection & Testing:

OIL as purchaser shall have the right to carry out stage inspection and shop visit to review the manufacturing progress but such inspection shall not relieve the bidder of his responsibility to ensure that the equipment supplied is free from all manufacturing and other defects and conform to correct specifications. The bidder/manufacturer shall inform OIL in advance (two weeks if in India & sixteen weeks if abroad) for inspection at OEM/suppliers premises. However, manufacturer should not hold any manufacturing activity during the purchaser's stage inspection. OIL shall have the right to waive such inspection.

A) PRE DELIVERY INSPECTION:

i) Pre-delivery inspection shall be performed by OIL to insure all components, controls, etc. are included as specified herein, free from any defects and equipment can fulfill all the requirements as specified prior to delivery. The testing of "360 degree auto focus dual camera inspection solution with suitable Display unit" shall necessarily be carried out at factory/ manufacturer premises in presence of representatives of OIL. The manufacturer or its representative shall give a notice in advance of minimum four weeks for in country and sixteen (16) weeks for abroad to carry out pre-delivery inspection and shall arrange for consumables for test run at his cost. OIL shall witness such inspection & testing at mutually agreed date and will bear the cost of its personnel inspection visit to the factory /manufacturer's premises.

ii) During testing all controls and operations will be checked and proper record will be maintained by the manufacturer's representative. Any defect/ abnormality noticed during testing shall be rectified. The testing will be declared successful only when no abnormality/ failure are noticed during the testing.

iii) Any defects which become evident during the test shall be corrected by the bidder at his own expense prior to shipment to OIL.

iv) The "360 degree autofocus dual camera inspection solution with suitable Display unit" will be cleared for dispatch to site only when the testing is declared successful by OIL.

v) A copy of the test results shall be submitted to the OIL at the end of the inspection. Test results shall match with the national / international standard as applicable.

B) DISPATCH/SHIPMENT TO SITE: The items shall be dispatched only after OIL's satisfactory inspection and advice.

8.0 SERVICE AND WARRANTY:

i) The supplier shall ensure adequate and prompt after sales service free of cost during warranty period, and against payment after the warranty period is over.

ii) The warranty period for the "360 degree autofocus dual camera inspection solution with suitable Display unit" with all accessories should be a minimum of 18 months from the date of dispatch/ shipment or 12 months from the date of commissioning of the equipment whichever is earlier.

iii) The warranty coverage shall include required spare parts, labor, reasonable travel expense necessary for repairs at the jobsite, and expendables (consumables and other service items made unusable by the defect) used during the course of repair or any defects in the equipment during warranty period shall be replaced by the party at his own cost without any extra charge to OIL.

9.0 The bidders should quote for Recommended spare parts list valid for 2(two) years indicating detail spare parts requirement, parts list, quantity mentioning cost of each equipment. However cost of these spares will not be considered for bid evaluation.

i) 80% of the order value shall be paid against proof of dispatch/shipment of the goods.
ii) Remaining 20% of the order value along with installation and commissioning charges (if any) shall be paid after successful installation and commissioning and acceptance of the unit by OIL.

iii) OIL may also consider making 100 % payment towards supply of the units against proof of dispatch 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 at site.

iv) Payment towards Installation/Commissioning/Training (if any) shall be released on successful completion of the Installation/Commissioning/Training

v) Payment against AMC charges shall be made on quarterly basis against the invoice(s) to be submitted by the bidder at the end of each quarter.

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.

(C) 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 12 months from date of successful installation and commissioning at site. In case of breakdown during the warranty period, a competent service engineer of the supplier shall make as many visits as shall be necessary to rectify the system. The supplier shall provide all spares required for making the system operational. Bidders must confirm the same while quoting.
2. Validity of the offers should be 180 days from the date of bid opening. Bids with lesser validity shall be summarily rejected.
3. The items covered under this enquiry shall be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence, applicable Customs Duty for import of goods shall be ZERO. Indigenous bidders must quote Deemed Export prices. Excise Duty under Deemed Export exempted. Necessary Project Authority Certificate (PAC) shall be issued by OIL towards this. Indian bidders however to note that Recommendatory Letter to DGH for availing NIL customs duty benefit shall not be issued by OIL.
4. Technical and Commercial Check-List vide **Annexure- B** shall be filled-up and submitted along with the offer.
5. 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 OIL, failing which the offer will be summarily rejected.
6. Bidders to note that Govt. of India under Micro, Small and Medium Enterprises Development (MSMED) Act 2006, has proclaimed the Public Procurement Policy, 2012 with effect from 1st April, 2012 in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries,

Departments and Public Sector Undertakings for promotion and development of Micro and Small Enterprises. A new Clause on applicability of Public Procurement Policy for procurement of goods from Micro and Small Enterprises (MSE) in the tender is furnished vide Amendment to General Terms and Conditions for Global Tender (MM/GLOBAL/E-01/2005). Bidders are requested to take note of the same and to submit their offers accordingly.

7. 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). 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.

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BID REJECTION CRITERIA (BRC)/BID EVALUATION CRITERIA (BEC)

(I) BID REJECTION CRITERIA:

The bids shall in general conform to the specifications, terms and conditions given in the NIT. Bids shall be rejected in case the items offered do not conform to the required minimum/ maximum 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 shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected:

A. TECHNICAL:

1.0 Bidder's Qualification:

1.1 The bidder shall be an Original Equipment Manufacturer (OEM) having experience in manufacturing of Ultrasonic Flaw Detector equipment.

OR

The bidder shall be a sole selling agent/distributor/dealer/supply house of Original Equipment manufacturer (OEM). However, OEM should have experience in manufacturing of Ultrasonic Flaw Detector equipment.

2.0 Bidder's Experience:

2.1 In case the bidder is an Original Equipment Manufacturer (OEM):

2.1.1 The bidder should have an experience of minimum 7(Seven) years in manufacturing Ultrasonic Flaw Detector equipment. For this purpose the period reckoned shall be the period prior to the original bid closing date of this tender. Necessary documentary evidence to be submitted along with the bid.

2.1.2 The bidder (OEM) should also have the experience of successful execution of supply, installation & commissioning of at least 01 (one) number of Ultrasonic Flaw Detector equipment in the last 07 (seven) years preceding the original bid closing date of this tender in Govt./Semi Govt./Reputed Public Limited Company in India.

2.1.3 Documentary evidence to substantiate supply record 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 Performance Certificate (OR)
- III. Satisfactory supply completion/installation report (OR)
- IV. Bill of Lading, Invoice etc. (OR)
- V. Consignee receipted delivery challan (OR)
- VI. Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/VAT (OR)
- VII. Commercial Invoice/ Payment Invoice

2.1.4 The bidder shall confirm that they have required facilities for testing the quoted equipment as per national/ International standards at their premises and the equipment / products will be tested and certified accordingly. Declaration for same should be enclosed along with the bid.

2.1.5 Bidder quoting as manufacturer must guarantee uninterrupted supply of spares and availability of service for at least 10 years with effect from delivery of the Item/product for the item/product to be supplied under the Tender/Order, if order is awarded to them by OIL.

2.2 In case the bidder is sole selling agent/distributor/dealer/supply house of the Original Equipment manufacturer (OEM), then bidder must furnish the following documents:

2.2.1 Back-up authority cum warranty letter in original on manufacturer's letter head, valid at the time of bidding which should remain valid during the entire execution period of the order, from the concerned manufacturer guaranteeing supply of the items to the bidder in the event of an order on the bidder and also authorized them to market their products.

2.2.2 The bidders quoting on behalf of the manufacturers must also submit undertaking in original from the manufacturer for back up guarantee, after sale services and uninterrupted supply of spares for at least 10 (ten) years with effect from delivery of the Item/product for the item/product to be supplied under the Tender/Order, if order is awarded to them by OIL.

2.2.3 The sole selling agent/distributor/dealer/supply house should quote for the supply of Ultrasonic Flaw Detector equipment from the manufacturers who meet the experience & other criteria as mentioned at clauses 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5.

(B) COMMERCIAL:

Commercial Bid Rejection Criteria will be as per Section D of General Terms & Conditions of Global Tender (MM/GLOBAL/E-01/2005) with following Special Bid Rejection Criteria.

- 1) Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The "Unpriced Bid" shall contain all techno-commercial details except the prices, which shall be kept blank. The "Price Bid" must contain the price schedule and the bidder's commercial terms and conditions.
Bidder not complying with above submission procedure will be rejected.

- 2.0 **Bid security of INR 2,03,660.00 or US \$ 3,000.00** shall be furnished as a part of the TECHNICAL BID. **Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration.** A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender. The Bank Guarantee towards Bid Security shall be valid upto **19.04.2017**.

- 2.1 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).

- 3) Validity of the bid shall be minimum 180 days from the date of Bid Closing Date. Bids with lesser validity will be straightway rejected.

- 4) Bidders must confirm that Goods, materials or plant(s) to be supplied shall be

brand new of recent make and of the best quality and workmanship and shall be guaranteed for a period of 12(twelve) months from the date of commissioning at site 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 at no extra cost to OIL.

- 5) Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for 01(one) year from the date of successful commissioning of the items. 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) **Commercial Bid Format (SUMMARY) for Foreign Bidders:**

- (A) Total Material value :
- (B) Packing & FOB Charges :
- (C) Total FOB Port of Shipment value, (A+B) above :
- (D) Overseas Freight Charges upto Kolkata, India :
- (E) Insurance Charges :
- (F) Total CIF Kolkata value, (C+D+E) :
- (G) Pre- Dispatch Inspection charges; if any:
- (H) Installation/Commissioning Charges including Service Tax (if any) :
- (I) Training Charges including Service Tax (if any) :
- (J) AMC Charges for 02(Two) years after warranty including Service Tax :
- (K) Grand Total Value including (F+G+H+I+J) above :
- (L) Grand Total Value in words :
- (M) Gross Weight :
- (N) Gross Volume :

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

- (A) Total Material Value :
- (B) Packing and Forwarding Charges:
- (C) Total Ex-works value, (A+B) above :
- (D) Excise Duty,(Please indicate applicable rate of excise duty)
- (E) Sales Tax, (Please indicate applicable rate of Tax)
- (F) Total FOR Despatching station price, (C+D+E) above
- (G) Road Transportation charges to Duliajan
- (H) Insurance Charges
- (I) Assam Entry Tax
- (J) Total FOR Duliajan value, (F+G+H+I) above:
- (K) Pre-Dispatch inspection charges; if any
- (L) Installation/Commissioning Charges including Service Tax(if any)
- (M) Training Charges including Service Tax (if any):
- (N) AMC Charges for 02(Two) years after warranty including Service Tax
- (O) Grand Total Value including (J+K+L+M+N)above :
- (P) Grand Total Value in words :
- (Q) Gross Weight :
- (R) Gross Volume :

NOTE:

- (i) Cost of Individual Items must be quoted separately.

7.0 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.

- 8.0 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.
- 9.0 Bidders shall quote directly and not through Agents in India. Offers made by Indian Agents on behalf of their foreign principals will be rejected. Similarly offers from unsolicited bidders will be rejected.
- 10.0 Bids containing incorrect statement will be rejected.
- 11.0 Offers should be submitted with Integrity Pact duly signed by the authorized signatory of the bidder. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact with the offer, the bid shall be rejected straightway.

(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 given below:

(A) TECHNICAL

All materials as indicated in the material description of the NIT should be offered. If any of the items are not offered by the bidders, the offer will not be considered for evaluation.

(B) COMMERCIAL

- 1) The evaluation of bids will be done as per the Commercial Bid Format(summary) detailed vide para (6) of BRC (Commercial).
- 2) If there is any discrepancy between the unit price and total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3) For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4) To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.

4.1) When only foreign bidders are involved:

Comparison of bids will be done on the basis of "Grand Total Value" which is estimated as under:

- (A) Total Material Value,
- (B) Packing & FOB Charges :
- (C) Total FOB Port of Shipment value, (A+B) above :
- (D) Overseas Freight Charges upto Kolkata, India :
- (E) Insurance Charges @1% of Total FOB Port of Shipment value vide (C) above

- (F) Banking Charges @ 0.5% of Total FOB Value (C) above in case of payment through Letter of Credit (If confirmed L/C at buyer's account is required, 1.5% of Total FOB Value will be loaded)
- (G) Total CIF Kolkata value, (C+D+E+F) :
- (H) Pre-dispatch inspection charges; if any
- (I) Installation/Commissioning Charges including Service Tax, if any :
- (J) Training Charges including Service Tax, if any :
- (K) AMC Charges for 02(Two) years after warranty including Service Tax
- (L) Grand Total Value, (G+H+I+J+K) :

NOTE: Banking charges in the country of the foreign bidder shall be borne by the bidder.

4.2) When only domestic bidders are involved or when more than one domestic bidders are in contention in case of mixed response:

Comparison of bids will be done on the basis of "Grand Total Value" which is estimated as under:

- (A) Total Material Value,
- (B) Packing and Forwarding Charges:
- (C) Total Ex-works value, (A+B) above :
- (D) Excise Duty including Cess:
- (E) Sales Tax, (Please indicate applicable rate of Tax)
- (F) Total FOR Despatching station price, (C+D+E) above
- (G) Road Transportation charges to Duliajan
- (H) Insurance Charges @0.5% of Total FOR Despatching Station Value (F) above
- (I) Assam Entry Tax
- (J) Total FOR Duliajan value, (F+G+H+I) above
- (K) Pre-dispatch inspection charges; if any
- (L) Installation/Commissioning Charges including Service Tax, if any :
- (M) Training Charges including Service Tax, if any :
- (N) AMC Charges for 02(Two) years after warranty including Service Tax:
- (O) Grand Total Value including (J+K+L+M+N) above :

NOTE: Excise Duty in case of the indigenous bidder is EXEMPTED

4.3) When both foreign and domestic bidders are involved:

The Grand Total Value of domestic bidder (inclusive of customs duty on imported raw material and components etc, and applicable terminal excise duty on the finished products and Sales Tax) excluding inland transportation to destination, Assam Entry Tax and Insurance charges worked out as per Para 4.2 above and Grand Total Value of the foreign bidder worked out as per Para 4.1 will be compared. No price preference will be allowed to indigenous bidders except that for capital goods, the domestic manufacturers would be accorded a price preference to offset CST to the extent of 4 % or actuals, which ever is less subject to 30 % local content norms as stipulated for World Bank Funded project to the satisfaction of OIL. When more than one domestic bidders fall within price preference range, inter-se-ranking will be done on Grand Total Value basis.

Note: If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.

- 5) Other terms and conditions of the enquiry shall be as per General Terms and Conditions for Global Tender. However, if any of the Clauses of the Bid Rejection Criteria/Bid Evaluation Criteria (BEC/BRC) mentioned here contradict the clauses in the General Terms & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in this BEC/BRC shall prevail.

CHECK LIST**(A) COMMERCIAL CHECK-LIST**

Sl. No.	PARAMETERS/REQUIREMENTS	BIDDER RESPONSE	REMARKS IF ANY
1.	Whether Original Signed quotation submitted?	YES/NO	
2.	Whether quoted as manufacturer?	YES/NO	
3.	Whether quoted as authorized dealer? [To Specify]	YES/NO	
4.	If quoted as authorized dealer,		
5.	(a) Whether submitted valid and proper authorization letter from manufacturer IN ORIGINAL confirming that bidder is their authorized dealer for the product offered?	YES/NO	
6.	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	YES/NO	
7.	Whether bid submitted under single stage Two-Bid System?	YES/NO	
8.	Whether ORIGINAL Bid Bond (not copy of Bid Bond) enclosed with the offer? If YES, provide details	YES/NO	
	(a) Amount :		
	(b) Name of issuing Bank :		
	(c) Validity of Bid Bond :		
9.	Whether offered firm prices?	YES/NO	
10.	Whether quoted offer validity of 180 days from the date of closing of tender?	YES/NO	
11.	Whether quoted a firm delivery period?	YES/NO	
12.	Whether quoted as per NIT (without any deviations)?	YES/NO	
13.	Whether any deviation is there in the offer?	YES/NO	
14.	Whether deviation separately highlighted?	YES/NO	
15.	Whether agreed to the NIT Warranty clause?	YES/NO	
16.	Whether Price Bid submitted as per Price Schedule?	YES/NO	
17.	Whether indicated the country of origin for the items quoted?	YES/NO	
18.	Whether all the items of tender quoted?	YES/NO	
19.	Whether technical literature/catalogue/drawings enclosed?	YES/NO	
20.	For Foreign Bidders - Whether offered FOB/FCA port of dispatch including sea/air worthy packing & forwarding?	YES/NO	
21.	For Foreign Bidders – Whether port of shipment indicated? [To specify]	YES/NO	
22.	For Foreign Bidders only - Whether indicated ocean freight up to C&F Kolkata port (Excluding marine insurance)?	YES/NO	
23.	Whether Indian Agent applicable?	YES/NO	
	If YES, whether following details of Indian Agent provided?		
	(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?	YES/NO	
24.	Whether weight & volume of items offered indicated?	YES/NO	
25.	Whether confirmed to submit PBG as asked for in NIT?	YES/NO	
26.	Whether agreed to submit PBG within 30 days of placement of order?	YES/NO	
27.	For Indian bidders – Whether place of dispatch indicated in the offer? [To specify]	YES/NO	
28.	For Indian bidders – Whether road transportation charges up to Duliajan quoted?	YES/NO	
29.	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	YES/NO	
30.	For Indian Bidders only - Whether offered Deemed Export prices?	YES/NO	
31.	Whether quoted prices are exclusive of Excise duty?	YES/NO	
32.	For Indian bidders only – whether import content indicated in the offer?	YES/NO	
33.	For Indian Bidders only - whether all Taxes have been indicated categorically?	YES/NO	
34.	Whether all BRC/BEC clauses accepted?	YES/NO	
35.	Whether confirm to accept all clauses of Integrity Pact?	YES/NO	
36.	Whether duly signed Integrity Pact enclosed?	YES/NO	

(B) TECHNICAL CHECK-LIST

Sl. No.	PARAMETERS/REQUIREMENTS	BIDDER RESPONSE	REMARKS IF ANY
1.	Whether Quoted as OEM and documentary evidence submitted?	YES/NO	
2.	Whether Quoted as Authorized Dealer of OEM and documentary evidence submitted?	YES/NO	
3.	Whether separately highlighted any deviation from NIT?	YES/NO	
4.	Whether detail specification of ULTRASONIC FLAW DETECTOR & CORROSION WHEEL PROBE with manufacturer's technical literatures, catalogues enclosed?		
5.	Whether quoted for supply, installation & commissioning and cost for AMC?	YES/NO	
6.	Whether Inspection Clause as mentioned in the NIT included in the bid?	YES/NO	
7.	Whether the bidder provided recommended spares list for 2 years?	YES/NO	
8.	Whether the equipment is of latest generation?	YES/NO	
9.	Whether the equipment is able to read / show direct results?	YES/NO	
10.	Whether the equipment is pre-calibrated?	YES/NO	
11.	Whether Corrosion Wheel Probe is compatible to connect with the Ultrasonic Flaw Detector?	YES/NO	
12.	Whether Ultrasonic Flaw Detector is Brand new?	YES/NO	
13.	Whether Corrosion Wheel Probe is brand new?	YES/NO	
14.	Whether all documents, certificates etc. are in English?	YES/NO	

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