



DATE: 05/11/2021

INVITATION OF BIDS FOR NON-DESTRUCTIVE TESTING EQUIPMENT

ENQUIRY NO: IITGOA/2021-22/042 DTD 05/11/2021

1. Quotations are invited in two bid system for the procurement of Non - Destructive Testing Equipment in separate envelopes. Please mention the above-mentioned title, enquiry number and due date for submission of bids on the sealed cover to avoid the bid being declared invalid.
2. The address and contact numbers for sending bids or seeking clarifications regarding this RFP are given below –

**Assistant Registrar
(Stores & Purchase)
IIT GOA, At GEC Campus,
Farmagudi, Ponda – Goa.
403401
ar_sp@iitgoa.ac.in / purchase@iitgoa.ac.in**

3. This bid enquiry is divided into three parts as follows:
 - a. Part I – Contains General Information such as the time, place of submission and opening of tenders, Validity period of tenders, etc.
 - b. Part II – Contains Instructions for the Bidders and essential details of the items/services required, such as the Schedule of Requirements (SOR), Technical Specifications, Delivery Period, Place of Delivery and Consignee details.
 - c. Part III – Contains Price Bid format, other details etc.
4. This bid enquiry is being issued with no financial commitment and the Institute reserves the right to change or vary any part thereof at any stage and to withdraw it at any stage.



Part I – General information

Tender No.	IITGOA/2021-22/042		
Tender Date	05.11.2021		
Tender Category	Goods		
Tender Type	Open		
No. of Envelopes	2		
Covers Information / Submission of Bids			
Cover No.	Cover Type	Description	Document Type
1	Technical	Technical Specification, Tender Document, Schedule of Requirement and Compliance, Bidders Information/Indian Agent Information, PAC, Declaration of Local Content, Undertaking for Bid Security etc.	.pdf
2	Financial	Financial Bid	.pdf
<p>Two Bid System:</p> <ul style="list-style-type: none"> ❖ The two-bid system will be followed for this tender. In this system bidder must submit their offer in separate sealed envelopes as – Technical Bid and Financial Bid. ❖ Separate technical bid and financial bid envelopes should be clearly marked as "Envelope No. 1 - Technical Bid" and "Envelope No. 2 - Financial Bid". ❖ Both these sealed covers are to be put in a bigger cover which should also be sealed and duly super scribed with our Tender No. & Due Date and to be submitted to the concern department/section mentioned in tender document. ❖ Bids should be forwarded by Bidders under their original memo / letter head inter alia furnishing details like GST number, Bank Details etc. and complete postal & e-mail address of their office. <p>Note:</p> <ul style="list-style-type: none"> • The technical offer should not contain any price information. If the price quoted is submitted in technical bid the tender will be rejected at the sole discretion of IIT Goa. • Initially Technical Bids will be opened and evaluated by the purchase committee. Financial Bid of only Technically qualified bidders will be opened later. • Contract/ Purchase Order will be awarded to the lowest bidder(L1) of Financial Bid among them. 			
Form of Contract	Supply		
Bid Validity (Days):	120 days		

Period of Work/Delivery Period (Days):	90 days
Pre-Bid Meeting Date & Time:	Will be decided on request
Pre-Bid Meeting Place & Address:	N/A
Modification and Withdrawal of Bids:	A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Buyer in writing about the clarifications sought not later than 7 (Seven) days prior to the date of opening of the Bids. Copies of the query and clarification by the purchaser will be sent to all prospective bidders who have participated the bidding documents.
Clarification regarding contents of the tender document/RFP:	A bidder may modify or withdraw his bid after submission provided that the written notice of modification or withdrawal is received by the Buyer prior to deadline prescribed for submission of bids. A withdrawal notice may be sent by email but it should be followed by a signed confirmation copy to be sent by post and such signed confirmation should reach the purchaser not later than the deadline for submission of bids. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security.
Rejection of bids:	Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected.
Unwillingness to quote:	Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of opening of the Bid, failing which the defaulting Bidder may be delisted for the given range of items as mentioned in this RFP.
Contract Type:	Tender
Delivery Location:	Indian Institute of Technology Goa Goa Engineering College Campus, Bhausahab Bandodkar Technical Education Complex, Veling, Farmagudi, Ponda, Goa
Pin Code:	403401
Bid Submission End Date/Date & Time Submission:	26.11.2021 at 17:00hrs
Place of Submission of Bid:	Stores & Purchase Department, IIT Goa, Admin Block, At GEC Campus, Farmagudi, Ponda, Goa-403401
Bid Opening Date & Time:	29.11.2021 at 15:00 hrs
Bid Opening Place:	IIT Goa, Admin Block, At GEC Campus, Farmagudi, Ponda, Goa-403401

Other Terms & Conditions:	As mentioned in technical specification
Technical Clarification:	Name: Prof. Sachin Kore School of Mechanical Sciences IIT Goa Email: sachin@iitgoa.ac.in
Tender Inviting Authority:	Name: Assistant Registrar (S&P) Address: Stores& Purchase Department, Email: ar_sp@iitgoa.ac.in / purchase@iitgoa.ac.in IIT Goa, Admin Block, At GEC Campus, Farmagudi, Ponda, Goa - 403401
Signing Authority:	Assistant Registrar (S&P)



Part II: Instructions to Bidders

1. **Schedule of Requirements** – List of items are attached as **Annexure ‘A’**
2. **Technical Details:** Technical details are attached in **Annexure ‘B’**
3. **Two-Bid System:** In respect of Two-bid system, Bidders are required to furnish clause by clause compliance of specifications bringing out clearly the deviations from specification, if any.

i) The Bidders are advised to submit the following documents along with Technical Bid–

- a) Compliance certificate in the following format;

Para of tender enquiry specification item-wise (As per annexure B)	Specification of Item offered	Compliance – whether YES/NO	In case of non-compliance, deviation to be specified in unambiguous terms

The offers must strictly be as per the specifications given in Annexure-A. At the same time, it must be kept in mind that mere copying of our specifications in the quotation shall not make the technical bid eligible for consideration. **A bid has to be supported with original catalogue (not of photo copy) of the quoted model duly signed by the OEM and the same must be sent along with the technical bid.** The quoted model should not become obsolete for a minimum period of 5 years (This is for the availability of spares). Therefore, the model quoted should invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance with above shall be treated as incomplete/ambiguous and the bid may be ignored without giving an opportunity to the bidder for further clarification/negotiation etc.

- b) Bidders & Indian Agent’s Information (**Annexure C**).
- c) A copy of Indian Agent Agreement / Authorization letter from OEM / OEMs along with tender to be submitted by All Indian Agents, if the manufacturer/supplier is based in abroad.
- d) GST and PAN details
- e) The Bidder should provide a list of customers of previous supply of a similar/ same range of equipment to IIT’s/ NIT’s/Universities with contact details.
- f) IIT Goa shall compare all substantially responsive bids to determine the lowest evaluated bid. The Institute is following and abide with the revised Public Procurement (Preference to Make in India), Order 2017 P- 45021/2/2017 – B. E. -II dated 16.09.20 issued by DPIIT, Ministry of Commerce and Industry, Govt. of India & subsequent amendments/instructions of Ministry. Accordingly, preference will be given to the make in India products while evaluating the bids. However, it is sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India along with respective documentary evidence in the technical bid itself.
- g) Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT). This is also applicable for bidders bidding for finished goods procured directly/indirectly from the vendors from the countries sharing land border with India.

ii) The following documents should be submitted along with Financial Bid–

- a) Price Bid. (**Annexure D**)
- b) Previous order of supplies/Justification of quoted rates. (**Annexure E**)

4. **Delivery Period** – Supply to be made within **90 days** from the effective date of issuance of Purchase Order. Please note that P.O. can be cancelled unilaterally by the Institute in case items are not received within the delivery period. Extension of delivery period will be at the sole discretion of the Institute, with applicability of LD clause.

5. **Delivery and Transportation** - Place for supply / installation is '**Indian Institute of Technology Goa, Ponda – Goa**'. The transportation cost & insurance charges up to the destination is to be borne by the bidder.

Part III: Conditions of Contract

1. Award of Contract:

- i. IIT Goa shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated financial bid.
- ii. If more than one BIDDER happens to quote the same lowest price, IIT Goa reserves the right to award the contract to more than one BIDDER or any BIDDER.

2. Prices:

For Import Supplies:

- i. It is mandatory to quote prices in FOB basis only.
- ii. In case of multiple options of same product, bidders are requested to quote only one best option and not multiple options.

For Indigenous Supplies:

- i. It is mandatory to quote prices in FOR, IIT Goa basis only.
- ii. In case of multiple options of same product, bidders are requested to quote only one best option and not multiple options.

3. Pre-installation:

- i. Please also mention the pre-installation requirements for the equipment like ambient temperature, humidity, civil work, weather specifications, power specifications, etc. When items are provided full performance satisfaction should be demonstrated.

4. Installation:

- i. Supplier shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty period and thereafter as mentioned in the contract.
- ii. Installation / demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.

5. Training:

- i. The supplier shall submit training proposal for the operation and maintenance to the personnel of IIT Goa on the offered equipment/machinery.
- ii. Wherever needed, our technical persons should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

6. Terms of Payment:

- i. For foreign currency payments: 90% payment by letter of credit and balance 10% will be paid by wire transfer after satisfactory installation and commissioning.
- ii. For payments in INR: 100% within 30 days after the delivery and successful installation of the items at IIT Goa.

7. Legal Matter:

- i. All disputes are subject to Goa jurisdiction only.

8. Rights to Accept, Reject, Amend, Modify:

- i. The basic eligibility conditions and conditions of contract are broad guidelines for pre-qualification and the Director, IIT Goa reserves the right to relax / alter / modify / add/delete any or all the conditions without notice. The Director, IIT Goa also reserves the right to accept or reject any or all bids without assigning any reason in public interest.

9. Penalty/ Liquidated Damages:

- i. Timely delivery is essence of the contract and hence if any consignment be delayed, liquidated damages at the rate 0.5% of the price of the delayed consignment, for each week or part thereof shall be levied and recovered subject to maximum of 10% of total purchase order value.
- ii. IIT Goa reserves the right to cancel the order in case the delay is more than 6 weeks. Penalties if any will be recovered by forfeiting PBG at vendor's cost and risks.

10. Supervision of Erection and Commissioning:

- i. Successful BIDDER shall depute concerned specialist, for supervision of erection & commissioning of the machine to be carried out. The successful BIDDER shall make necessary arrangement at their own expenses for stay, transport and other expenses of their Specialist during their stay in Goa which also includes imparting free of cost training to IIT Goa personnel.

11. Performance Guarantee (GFR 2017 Rule 171):

- i. Performance Guarantee Bond is mandatory.
- ii. Successful tenderer/ bidder should submit performance guarantee as prescribed above to be sent to The Assistant Registrar, Stores & Purchase Department, IIT Goa on or before 15 days from the due date of issue of order acknowledgement. The PBG to be furnished in the form of bank guarantee as per proforma or annexure of the tender documents, for an amount covering 3 % of the purchase order value.
- iii. The Performance Guarantee should be established in favour of "The Registrar, IIT Goa".
- iv. PBG to be established through any of the National Banks (whether situated at Goa or outstation) with a clause to enforced the same on their local branch of Goa or any scheduled bank (other than national bank) situated at Goa. Bonds issued by co-operative banks will not be accepted.
- v. Performance Guarantee Bond shall be for the due and faithfully performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful tenderer and the purchaser under the terms & conditions of acceptance to the tender.
- vi. The successful tenderer is entirely responsible for due performance of the contract in letter and spirit and all other documents referred to in the acceptance of tenders.
- vii. The PBG shall be kept valid during the period of contract and shall continue to be enforceable for a period of one year/two years (as mentioned in the tender document) or up to warranty period, plus 60 days whichever is later from the date of order acknowledge. In case PBG needs extensions up to warranty period then supplier shall initiate extensions to PBG one month prior to expiry of PBG.
- viii. **No interest shall be payable by the buyer to the Bidder on PBG.**

List of items required

Sl. No.	Description of Items	Qty
1	Non - Destructive Testing Equipment	01

Annexure – B

Technical Specification for Non-destructive Testing Equipment

1. Ultrasonic Phased Array TOFD Machine
2. Accessories of Ultrasonic Phased Array TOFD Machine
3. Ultrasonic thickness gauge
4. Accessories of Ultrasonic thickness gauge
5. Eddy Current Flaw Detector
6. Accessories of Eddy Current Flaw Detector

All items to be quoted in a single quotation as buddle price. Individual items will not be considered.

S. No.	Parameter	Specified Value	Offered values/ Confirmation	
1.1.	Phased Array / Element detection Channel			
	1.1.1.	Channels	Minimum 16	
	1.1.2.	Aperture	≥ 16	
	1.1.3.	Number of elements	≥ 64	
	1.1.4.	Group quantity of probing system	2 groups (PA, UT, or TFM) or 2PA + 1 UT.	
	1.1.5.	Segments in angular section (Focal laws)	≥ 1024	
	1.1.6.	Focal law	≥ 8 beam set up and ≥ 1000 focal laws	
	1.1.7.	Scan Plan	Onboard Scan Plant tool for Phased Array and TFM/FMC	
	1.1.8.	Scanning	Single, Linear, Sectorial compound and TFM / FMC with (A-Scan. B-scan, C-scan and S-scan)	
1.2.	Phased Array Pulsar			
	1.2.1.	Pulse Rate Frequency (PRF)	≥ 12kHz	
	1.2.2.	Pulse Shape	Negative Square Wave	
	1.2.3.	Pulse width	PA channel : ≤ 30ns - 500ns or higher range UT (ToFD) Channels : ≤ 50ns - 1000 ns or higher range	
	1.2.4.	Fall time	≤ 10 ns	
	1.2.5.	Pulse Width Resolution	≤ 2.5 ns	
	1.2.6.	Pulse Voltage	PA channels: 40V, 80V & 115V or more setting. UT channels: 95V, 175V, 295 Volts or more setting.	
1.3.	Phased Array Receiver and Digitizer			
	1.3.1.	Receiver Gain	PA channel: ≥ 80 dB or better range. UT (ToFD) channel: ≥ 120 dB or better range.	
	1.3.2.	Receiver Input /output impedance	PA channels : ≥ 50Ω / 100Ω pulse echo and catch UT (ToFD) channels : ≥ 50Ω / 50 Ω echo and receive	
	1.3.3.	Receiver Band width range	PA channel: 0.5 MHz to 18 MHz or more range UT (ToFD) channel: 0.5 MHz to 25 MHz or more range	
	1.3.4.	Slope	Minimum 40 dB/ μs	
	1.3.5.	Rectification	Positive HW, Negative HW, Full, RF	

	1.3.6.	Digitizing frequency	≥100 MHz	
	1.3.7.	Display refresh rate	A-Scan 60 Hz & S-Scan 20Hz to 30Hz, For Volume Corrected S-scan 30hz	
	1.3.8.	A-Scan Height	Up to 800%	
	1.3.9.	Real Time Averaging	PA: 2, 4, 8, 16 UT: 2, 4, 8, 16, 32, 64	
	1.3.10.	Filter	PA channel: 3 low-pass, 6 band-pass, and 4 highpass filters UT channel: 8 low-pass, 6 band-pass, and 4 highpass filters (3 low-pass filters when configured in TOFD) & Special Video filters for smoothing of signal	
	1.3.11.	TCG	No. Of Points:32	
	1.3.12.	A-scan data points	Up to 16384	
1.4.	Environment			
	1.4.1.	Operating Temperature range	0°C to 45 °C or more range	
	1.4.2.	Storage Temperature range	-20°C to 60 °C or more range	
	1.4.3.	Shock	4' transit drop to MIL-STD-810G 516.6	
	1.4.4.	Ingress protection (IP) rating	IP 65 or better	
1.5.	Safety case provisions for the instrument and operation			
	1.5.1.	Shock and water resistant case		
	1.5.2.	Belt straps/wrist straps and separate stand to handle the instrument in a safe and handy manner for operation and measurements independently		
	1.5.3.	Carrying case for safe transport.		
1.6.	Power supply			
	1.6.1.	Battery	Two Re-chargeable Li-ion battery of suitable rating for continuous operation with hot swap ≥ 5 hours. Capacity ≥ 93 Wh (x 2)	
	1.6.2.	Battery charger	Rechargeable battery charger suitable for above battery rating, operated by 100 to 240 VAC, 50 HZ,	
	1.6.3.	Power supply	Suitable for operation of equipment in wall plug condition. Operated by 100 to 240 VAC, 50 HZ	
	1.6.4.	Compliance	Meets IATA air transport regulations with one contained installed battery and one packed external battery.	
1.7.	Weight & Dimension		≤6.5 kg along with battery 335 mm × 221 mm × 151 mm	
1.8.	Data visualization and transfer			
	1.8.1.	User Interface software	Customised with UT software, Third party programs can connect to the operating software, so that the data can be accessed with analysis programs.	
	1.8.2.	Instructional Material	Rich text, JPG, PNG, BMP, PDF or Video (MP4)	
	1.8.3.	Zoom	Any data view may be expandable to full screen with gesture on other OSC.	
	1.8.4.	Views	A-Scan, B-Scan, C-Scan overview, E-Scan, S-Scan	
	1.8.5.	Probe selector	Swap between conventional, focus and phased array on same screen	
	1.8.6.	Evaluation	3 gates, one can be used as interface echo gate	
	1.8.7.	Measurements	Amplitude, Depth, Distance, % Wall Loss, Thinnest point, X and Y position	
	1.8.8.	Amplitude Calibration	Phased array: TCG (Time correction gain), ACG (Amplitude correction gain) Material velocity, wedge Delay, Encoder calculator, dead elements	

			check.	
	1.8.9.	Axes information	Minimum 2 axis encoder (digital quadrature encoders for X-Y axes).	
	1.8.10.	Calibration certification	EN ISO 18563-1 for PA EN ISO 12668-1 for UT (ToFD)	
	1.8.11.	Alarm	Audio or visual alarm	
1.9.	Connectivity			
	1.9.1.	Wi-Fi	802.11 b. g. n	
	1.9.2.	Connectors	USB 2.0, USB 3.0, Ethernet, HDMI	
	1.9.3.	Remote data analysis	Local Network and internet- Enabled via inspection works connected.	
	1.9.4.	Inspection Works	Enabled	
1.10.	Data Storage, Application software			
	1.10.1.	Hard drive capacity	≥ 64 GB ≥ 8GB DDR (RAM)	
	1.10.2.	Data Capture	Full A-Scan capture for every C-Scan points, all settings, Recall on instruments with full analysis capability.	
	1.10.3.	Setting files	All instruments settings plus positive ion work flow	
	1.10.4.	Screen capture	JPG format	
	1.10.5.	Report	PDF format	
	1.10.6.	Application software	Application Software for UT Data acquisition and post processing for flaw characterization	
1.11.	Display (TFT LCD)			
	1.11.1.	Size	264 mm (10.4") diagonal or larger in size	
	1.11.2.	Resolution	1024 x 768 pixels or better	
	1.11.3.	Mode	Indoor and Outdoor specific colour mode	
	1.11.4.	Viewing angle	± 85° in all direction	
	1.11.5.	Gloved Operation	Yes (Touch screen)	
	1.11.6.	Surface	Chemically strengthened glass, scratch resistance, chemical resistant, optically bonded to display	
1.12.	Acceptance criteria			
	1.12.1.	Demonstration of full functionality of the Phased Array Ultrasonic flaw detector as per the technical specifications at the purchaser's site including analysis of standard sample set provided by the purchaser, report generation, data transfer to computer etc.		
	1.12.2.	Calibration of equipment using ISO 19675 calibration block. (PA:- EN ISO 18563-1 and UT:- EN ISO 12668-1)		
	1.12.3.	Supply of user's manual of the instrument that includes safety instructions during operation and maintenance of the instrument.		
	1.12.4.	Completion of specified training along with certification.		
2.0 Required Accessories of Ultrasonic Phased Array TOFD Machine				
S. No.	Name/Specification	Specified Value	Quantity	Offered values/ Confirmation

2.1	PA Probe	5 MHz,32 elements with 32X10mm active aperture and 5mtr cable length	One No.	
2.2	Angle beam Wedges for PA probe	Angle beam wedge with 55degree refracted angle for shear wave in steel with 40 to 70 degree beam sweep.	One No.	
2.3	0degree beam Wedges for PA Probe	0degree longitudinal wave in steel for corrosion or lamination inspection	One No.	
2.4	PA Probe	5 MHz,16 elements with 9.6X10mm active aperature and 5mtr cable length	One No.	
2.5	Angle beam Wedges for PA probe	Angle beam wedge with 55degree refracted angle for shear wave in steel with 40 tp 70 degree beam sweep.	One No.	
2.6	Scanner	Manual Scanner with four magnetic wheel and copacity of handling one pa probe and One Tofd pair at a time		
2.7	TOFD Probe	10Mhz, 6mm dia probe 5MHz , 6mm dia probe 2.25MHz , 6mm dia probe	Two Nos each.	
2.8	Wedges for TOFD Probe	TOFD wedges with 70 degree, 60 degree and 45 degree refracted angle in steel with longitudinal waves	Two Nos each.	
2.9	Scanner	Hand Scanner for TOFD weld inspection on flat plates, pipes, and curved surfaces. One encoded axis. Kit includes one TOFD Hand Scanner frame, one wheel encoder and 2.5mtr TOFD Cables.	One No.	
2.10	Encoder	Encoder compatible with equipment to measure scanning length	One No.	
2.10	One battery	One Spare battery	One No.	
2.12	Standard Block	One CS CalibrationV1 Block	One No.	
3	ULTRASONIC THICKNESS GAUGE		One No.	
3.1	System Capability-	Dual and Single element transducer compatibility, echo to echo, coating thickness,		
3.2	Thickness range, Suitability-	For all classes of materials (polymers, metals, ceramics, composites, elastomers)		
3.3	Transducer Frequency range-	2 to 30 MHz		
3.4	Operational Temperature range-	0 °C to 45 °C.		
3.5	Material Velocity range (mm/ps),	0.5 to 18,		

3.6	Device- t,	Hand held device tested for vibration, shock and impact		
3.7	Power requirement-	Battery operated		
3.8	Operational control of all parameters ,	Full operational control		
3.9	Display	Color display for better viewing indoors and outdoors		
3.10	, Data transfer:	SD Card and USB		
3.11	Capability	data logging, echo-to-echo measurement, and single element measurement and A scan		
4	ESSENTIAL ACCESSORIES of ULTRASONIC THICKNESS GAUGE			
4.1	Block samples for Thickness gauging: for instrument verification	Material Mild Steel, Carbon Steel, Stainless Steel	One No. each	
4.2	Carrying Case	Case for better handling of the hand held device	One No.	
4.3	System Compliance.	IP67	One No.	
4.4	Dual element transducer	(5MHz,) connector with cables , Thickness range: 1 mm to 18 mm in steel.	One No.	
4.5	Dual element transducer for surface coating measurement.	7.5MHz	One No.	
5	Eddy current Equipment:-		One No.	
5.1	Capability	Flaw detection, conductivity and coating thickness measurement, surface inspection, weld inspection		
5.2	. Compliance	IP66 and EN-15548		
5.3	Frequency Capacity-	8 -12 MHz		
5.4	Gain-	1 dB to 90 dB,		
5.5	Rotation-	0 ° to 350°		
5.6	Connectors-	Two probe (16 way Universal connector and a BNC connector),		
5.7	Inputs and Outputs-	USB. VGA. I5pin I/O. analog outputs.		
5.8	Compatible Probe Types	Absolute and differential, Bridge/reflection configuration,		

5.9	Operational Temperature range-	0 °C to 45 °C,		
5.10	Device :	Hand held device tested for vibration, shock and impact		
5.11	Power and Filters :	BatterY operated, Filters-Lowpass,wide band. High -pass,		
5.12	Operational Control-	Full software control of all parameters		
5.13	Display and Data Transfer : ,	Color disPlAY for better viewing indoors and outdoors, Data transfer: SD Card and USB		
6	ESSENTIAL ACCESSORIES Of Eddy Current Flaw Detector			
6.1	Conductivity Probe:	Frequency 60 kHz or better	One No.	
6.2	Surface reference standards,	Material- Mild Steel Material-Carbon Steel Material- Stainless Steel Material- Aluminium Steel	One No. each	
6,3	Absolute probes	frequency 500kHz to 1 MHz	One No.	
6.4	Certified conductivity reference standards,	Conductivity reference standard	One No.	

(To be printed on letterhead of the bidder)

Annexure - C

Bidders Information

1.	Name of the Bidder	
2.	Address of the Bidder	
3.	PAN No.	
4.	GSTN No.	
5.	State of GST Registration	
6.	E-mail	
7.	Contact Person's Name & Designation	
8.	Mobile No.	

Indian Agent's Information

1.	Name of Indian Agent	
2.	Address of Indian Agent	
3.	Indian Agent PAN No.	
4.	Indian Agent GSTN No.	
5.	State of GST Registration	
6.	E-mail	
7.	Contact Person's Name & Designation	
8.	Mobile No.	

(To be printed on letterhead of the bidder)

Annexure - D

PRICE BID FORMAT

S.No.	Item description & short specification	HSN Code/SAC Code	Qty in Units	GST %	Price Basis	Total Bid Price
1.	Non - Destructive Testing Equipment					
2.	Installation and Commissioning Charges (if any, quote in INR)					
3.	Agency Commission (if any, quote in %)					
4.	Other Charges (if any, please specify)					
Grand Total						

#HSN Code: "Harmonized System of Nomenclature Code No." and SAC Code: "Service Accounting Codes Code No."

1. Delivery Period: 90 days.

2. Validity of the bid: 120 days from the date of submission of quotation/tender.

Signature.....

Name

Place:

Company Name & Address:

Date:

Affix Rubber Stamp:

Note: Price Bid should be submitted in given format only. For additional information/extra items above format may be typed and used.

Reasonability of Prices

Please quote best minimum prices applicable for a premier Educational and Research Institution. The party must give details of at least two purchase orders identical or similar equipment, supplied to any IITS/Research Institutions/ other organisation as per below Format (to be enclosed in Financial Bid) along with the final price paid and details are mandatory.

Previous Supply Orders

Name of the Firm _____

S.No.	PO No. & Date	Description & Quantity of ordered equipment	Value of Order	Date of completion of delivery as per contract	Remarks indicating reasons for late delivery, if any and justification of price difference of their supply order & those quoted to us	Has the equipment being installed satisfactorily (attach a certificate from the Purchaser/ Consigner)	Contact Person along with Telephone no., Fax No. and e-mail address

Place: _____

Date: _____

Signature and Seal of the Manufacturer / Bidder

FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT GOA OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT GOA OR ANY SCHEDULED BANK SITUATED AT GOA. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.

To,
The Registrar,
Indian Institute of Technology, Goa
Farmagudi, Ponda,
Goa – 403401

LETTER OF GUARANTEE

WHEREAS Indian Institute of Technology, Goa (Buyer) have invited Tenders vide Tender No..... Dt. for purchase of

AND
WHEREAS the said tender document requires that any eligible successful tenderer (seller) wishing to supply the equipment / machinery, etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of “**Registrar, Indian Institute of Technology, Goa**” in the form of Bank Guarantee for Rs (**3% (three percent) of the purchase value**) and valid till **one year or up to warranty period whichever is later** from the date of issue of Purchase Order. Performance Guarantee Bond may be submitted within 15 (Fifteen) days from the date of Order Acknowledgment as a successful bidder.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said tenderer (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this Bank shall pay to Indian Institute of Technology, Goa on demand and without protest or demur Rs..... (Rupees.....).

This Bank further agrees that the decision of Indian Institute of Technology, Goa (Buyer) as to whether the said Tenderer (Seller) has committed a breach of any of the conditions referred in tender document / purchase order shall be final and binding.

We, (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the Tenderer (Seller) and/ or Indian Institute of Technology, Goa (Buyer).

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rs. (Indian Rupees only).
2. This Bank Guarantee shall be valid up to(date) and
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if IIT Goa serve upon us a written claim or demand on or before(date).
4. This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at situated at (Address of local branch).

Date:

Yours truly,
Signature and seal of the Guarantor:
Name of Bank:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period.

UNDERTAKING FOR BID SECURITY

(To be issued by the bidder on company's letterhead in lieu of EMD)

To,
The Registrar,
Indian Institute of Technology Goa,
At GEC Campus, Farmagudi, Ponda – Goa

We, M/s (name of the firm), with ref. to enquiry no. dtd hereby undertake that:

- 1) We accept all the terms and conditions of the tender document.
- 2) We accept that, we will not modify our bid during the bid validity period, submit performance guarantee within the stipulated period and honor the contract after award of contract.
- 3) In the event of any modification to our bid by us or failure on our part to honor the contract after final award or failure to submit performance guarantee, our firm may be debarred from participation in any tender/contract notified by Indian Institute of Technology, Goa for a period of one year.

Yours faithfully,
(Signature of the bidder with date and seal)

DECLARATION OF LOCAL CONTENT

(To be given on company letter head - For tender value below Rs.10 crores)
(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 crores)

Date:

To,
The Registrar,
Indian Institute of Technology Goa,
At GEC Campus, Farmagudi, Ponda - Goa

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender: - _____

Country of Origin of Goods being offered: _____

We hereby declare that an item offered has _____ % local content. _____

“Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

We understand that, as per Office Memorandum dated 04/03/2021 issued by Ministry of Commerce and Industry, services such as transportation, insurance, installation, commissioning, training and after sales support like AMC/CMC etc. are not considered as local value addition.

“*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.”

Yours faithfully,

(Signature of the Bidder, with Official Seal)