



**DATE: 08/04/2021**

**INVITATION OF BIDS FOR NMR SPECTROMETER (400 MHZ) WITH  
ACCESSORIES**

**ENQUIRY NO: IITGOA/2021-22/002 DTD 08/04/2021**

1. Quotations are invited in two bid system for the procurement of NMR Spectrometer (400 MHz) with Accessories 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](mailto:ar_sp@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/2021-22/002		
Tender Date	08.04.2021		
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, Undertaking for Bid Security etc.	.pdf
2	Financial	Financial Bid	.pdf
<p>Two Bid System:</p> <ul style="list-style-type: none"> <li>❖ 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.</li> <li>❖ Separate technical bid and financial bid envelopes should be clearly marked as "Envelope No. 1 - Technical Bid" and "Envelope No. 2 - Financial Bid".</li> <li>❖ 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. &amp; Due Date and to be submitted to the concern department/section mentioned in tender document.</li> <li>❖ 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 &amp; e-mail address of their office.</li> </ul> <p>Note:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Initially Technical Bids will be opened and evaluated by the purchase committee. Financial Bid of only Technically qualified bidders will be opened later.</li> <li>• Contract/ Purchase Order will be awarded to the lowest bidder(L1) of Financial Bid among them.</li> </ul>			
Form of Contract	Supply		
Bid Validity (Days):	120 days		

Period of Work/Delivery Period (Days):	180 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, Bhauasaheb Bandodkar Technical Education Complex, Veling, Farmagudi, Ponda, Goa
Pin Code:	403401
Bid Submission End Date/Date & Time Submission:	29.04.2021 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:	30.04.2021 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: Dr. Raja Mitra School of Chemical and Material Sciences IIT Goa Email: rajamitra@iitgoa.ac.in
Tender Inviting Authority:	Name: Assistant Registrar (S&P) Address: Stores& Purchase Department, Email: ar_sp@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) Kindly specify the Country of Origin of goods being offered in your bid.

**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 **180 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**'.

### **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.

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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 whereof 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. For successful suppliers, if PBG is not submitted within 15 days from the date of Order Acknowledgement, then the Purchase Order will be cancelled with forfeiting of EMD.
- ix. **No interest shall be payable by the buyer to the Bidder on PBG.**

**List of items required**

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Qty</b>
1	NMR Spectrometer (400 MHz) with Accessories	01



## Technical Specifications for 400 MHz NMR Spectrometer:

### (1) 400 MHz NMR Spectrometer:

- (i) Latest version/technology 400 MHz FT-NMR spectrometer for multi-dimensional solution-state NMR experiments.
- (ii) Superconducting magnet system with an operating field of 9.4 Tesla with active shielding and standard bore size (54 mm); with field stability of <10 Hz/hour or better.
- (iii) Shortest possible radial and axial distance of 5 Gauss stray field from the magnet's centre.
- (iv) Cryogen cooled shim system in addition to room-temperature shims for optimal line shape (please mention the number of cryogen-cooled and room-temperature shim coils); automated gradient shimming capability with associated accessories (software/hardware).
- (v) Minimum **300 days** or better liquid Helium hold time and long liquid Nitrogen hold time.
- (vi) Liquid Helium and Liquid Nitrogen level monitoring and recording/alarm.
- (vii) All support equipment for cryostat (e.g. liquid He and liquid N<sub>2</sub> transfer line).
- (viii) Antivibration platform for mounting magnet and specify the lower limit of frequency of vibrations damped.
- (ix) Pneumatic sample load/spin/eject system.

### (2) Console

- (i) Equipped with two RF channels (please specify the frequency range of operation with best frequency and phase resolution) in addition to lock channel with provisions for deuterium decoupling and observation. Please specify the configuration and bandwidth of all channels—minimum 2 independent channel architecture.
- (ii) Automatic tuning and matching for the nuclei under study.
- (iii) Single/Multiple digital receivers with the excellent capability and elimination for artefacts such as signal acquisition, filtering, sampling, multi nuclei acquisition, etc
- (iv) Gradient experiments such as Pulsed Field Gradient experiments with higher gradient strength, faster shimming should be the capability of the machine. Frequency generation, digital receiver controls with oversampling, and digital filters should be quoted appropriately.
- (v) Provisions for setting frequencies and field to lock and Digital-Auto Lock providing higher stability. The system should achieve locking of the sample with a different combination of solvents in a short duration without manual interference.
- (vi) Broadband frequency generation for all channels
- (vii) Waveform generators for all channels for pulse shaping (please specify bits and total memory of the shape card).
- (viii) Receiver control unit for signal acquisition with real-time digital filtering along with oversampling technology.
- (ix) Frequency, phase and amplitude shaping capability with individual/simultaneous switching of the parameters in shortest possible duration.
- (x) Real-time calculation of parameters of pulse sequences.
- (xi) Fast Ethernet-based communication system between all channels
- (xii) High-power linear broadband amplifiers of >150 W for X-channel and >50 W for 1H (and/or 19F channel) for double resonance liquid-state NMR. Please specify all relevant parameters, including power (Wattage), frequency range, duty cycle, maximum pulse duration etc.
- (xiii) Multinuclear preamplifiers with a 2H pre-amplifier for lock channel and observation.
- (xiv) Automatic high-performance gradient shimming for 1D and 2D along with a lock, spin and insert/eject.

- (xv) Lock system should have high precision phase- and field corrections (please provide documental evidence).
- (xvi) Built-in tune/match display and add-on filters for noise reduction.
- (xvii) ADC with high dynamic range and sampling rate. Please specify the resolution of the ADC (in bits) and the maximum sample rate.
- (xviii) Z-gradient amplifier: at least 30 G/cm.
- (xix) Pulsed-field gradients of any desired shape with high resolution.
- (xx) Variable temperature set up from  $-100\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$  with resolution, accuracy and stability better than  $0.1\text{ }^{\circ}\text{C}$ .
- (xxi) State-of-the-art software interface for NMR acquisition and processing.
- (xxii) 16 bit analogue to digital converter or better to be quoted.

### (3) Probe

(i) 5 mm double-resonance broadband high-resolution probe with an actively shielded single axis Z-gradient for observation/irradiation of all NMR nuclei in the range  $^{31}\text{P}$  to  $^{15}\text{N}$  in addition to  $^1\text{H}$  (please quote for maximum broadband range available); including  $^1\text{H}(^{19}\text{F})$  and vice versa, including  $^1\text{H}-^{19}\text{F}$  correlation 2D experiments. Sensitive to low gamma nuclei detection; a deuterium lock channel. Variable temperature range from  $-100\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$ ; automated tuning and matching.

S/N ratio of  $^1\text{H}$  should be 500 or more on standard test samples.

S/N ratio of  $^{13}\text{C}$  should be 180 or more on standard test samples.

(ii) 5mm dual-probe/multinuclear Broad Band Direct/observe Z-gradient Probe capable of covering nuclei range at least  $^1\text{H}$ ,  $^{13}\text{C}$  with optional  $^{19}\text{F}$ ,  $^{31}\text{P}$  to  $^{15}\text{N}$ ,  $^{39}\text{K}$ ,  $^{109}\text{Ag}$  with computer-controlled automatic tuning and matching (ATM) with S/N ratio for  $^1\text{H}$  in 0.1% Ethylbenzene of 280 or more,  $^{13}\text{C}$  in 10% Ethylbenzene in with 180 or more on standard test samples.

Variable temperature ranges from  $-100\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$

### (4) NMR software:

(i) NMR software for spectrometer control, data acquisition and processing, and automatic recording of multiple experiments. Software tools for Structure Analysis, Integration and Deconvolution of 1D, 2D and 3D spectra, NMR simulation, Multiplet analysis, Relaxation data analysis.

(ii) Automatic setup with acquisition, analysis and quantification of the NMR samples

(iii) Structure elucidation software (**optional**)

(5) **Autosampler:** Fully functional autosampler with a capacity of handling 24 or above samples along with adequate spinners (24 Nos. or more)

(6) Oil-free and Noise-free reciprocating air Compressor of sufficient capacity and appropriate dryer with filter for the supply of dry air with appropriate dew point for the smooth operation of the pneumatic unit, autosampler and variable temperature unit.

(7) **Comprehensive Maintenance Warranty** - Comprehensive Maintenance Warranty for **five years** for the whole instrument and accessories/compressor etc., from the date of installation. An adequate number of engineer visits (minimum 2) every year should be covered during the CMW period.

(8) **NMR Tubes and NMR Solvents** – (i) 5 mm standard NMR tubes for the spectrometer – 500 numbers with caps; (ii) High-pressure NMR tube of good make – 2 Nos. (150 psi or more)

(iii)  $\text{CDCl}_3$ : 5X100 mL, DMSO-D6: 100 mL,  $\text{CH}_3\text{OD}$ : 5X10 mL,  $\text{D}_2\text{O}$ : 100 mL, Toluene-D8: 10 mL (optional)

(9) Sample spinner/holder - for standard NMR tubes for low and high temperature – 2 nos.

**(10) Additional Requirements:**

- (i) Initial supply of Liquid Helium and liq. N<sub>2</sub> for installation must be quoted.
- (ii) Liquid Helium supply for 5 years from the date of installation must be included.
- (iii) Two number of Cryocans (55 litres) along with transfer line and other accessories must be quoted. High pure N<sub>2</sub> gas cylinders if required.
- (iv) Low-temperature accessories with 26 L liq. N<sub>2</sub> Dewar with stainless steel transfer line with liq. N<sub>2</sub> to carry out the low-temperature measurement.
- (v) On-site training for operation and general maintenance of the machine must be quoted.
- (vi) Additional 1 (ONE) workstation for data processing having a similar configuration as acquisition PC (Windows OS) along with other accessories such as a mouse, keyboard etc.
- (vii) Minimum 100 additional NMR processing licenses for offline processing with regular updates of software.
- (viii) High-performance laser printer must be quoted.
- (ix) A suitable UPS of excellent make with min. 60 minutes back up capacity must be quoted. The UPS must have Li-ion batteries with at least 5 years (or better) of warranty.

**(11) Optional Requirements:**

- (i) The charge for the instrument transfer and re-installation at the permanent campus of IIT Goa within 5 years should be quoted.
- (ii) Power requirement of the spectrometer should be mentioned along with the accessories.
- (iii) Pre-installation requirements in terms of minimum ceiling height, room-size etc. must be specified.
- (iv) Please provide installation details for the same instrument in India completed in the last two years or last three installations, preferably in IITs, IISERs, IISc, and national institutes.
- (v) It is mandatory to quote all items, including optional items.

**(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**

<b>S.No.</b>	<b>Item description &amp; short specification</b>	<b>HSN Code/SAC Code</b>	<b>Qty in Units</b>	<b>GST %</b>	<b>Price Basis</b>	<b>Total Bid Price</b>
1.	NMR Spectrometer (400 MHz) with Accessories					
2.	<b>Installation and Commissioning Charges</b> (if any, quote in INR)					
3.	<b>Agency Commission</b> (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: 180 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 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)