

बसु बिज्ञान मन्दिर

BOSE INSTITUTE

P-1/12, C.I.T. Scheme VII-M, Kolkata 700 054

BIDDING DOCUMENTS

For Tender Notice No.

BI-K/E-TEND/02/2017-18

To be addressed to:

The Sr. Prof. & Incharge, Registrar's Office,
Bose Institute, Centenary Building,
P-1/12, CIT Scheme - VII -M
Kolkata - 700054 (INDIA)



Ref: BI-K/E-TEND/02/2017-18

INVITATION TO BIDS

Director, Bose Institute, Kolkata, West Bengal, India invites *online* offers from foreign/Indian manufacturers or their Authorized Dealers for the supply, installation and commissioning of the following equipments:

Sl.	Name of the items	Qty.	Bid security (EMD)
No.			
1.	UV-VIS Spectrophotometer	01	INR 10,000.00
2.	Ultralow Temperature Minus 86 Degree C Freezer (upright)	01	INR 16,000.00
3.	Table Top Speed Vac Concentrator	01	INR 20,000.00
4.	Low Temperature Minus 30 Degree C Freezer	01	INR 10,000.00
5.	Large Capacity of CO2 Incubator	01	INR 20,000.00
6.	Stackable Refrigerated Incubator Shaker	02	INR 40,000.00
7.	Biosafety Cabinet Class II	01	INR 11,000.00
8.	Cryogenic Cell Storage System	01	INR 10,000.00
9.	Floor Model Superspeed Refrigerated Centrifuge	01	INR 55,000.00

Details of specifications are enclosed in Annexure - I

Sl.	Particulars	Date & Time
No.		
1.	Date of uploading of NIT & other documents (Online)	21.04.2017
	(Publishing date)	
2.	Documents download start date (Online)	21.4.2017 at 14:30 hrs.
3.	Clarification Start date (Offline)	21.4.2017 at 15.00 hrs.
	Queries to be sent to the mail id bipurchase@jcbose.ac.in)	
4.	Clarification End date (Offline)	25.4.2017 at 13:00 hrs.
5.	Amendment, if any (On line)	28.4.2017 at 17:00 hrs.
5.	Bid submission start date (On line)	29.4.2017 at 11:00 hrs.
6.	Documents download end date (Online)	10.5.2017 upto 17:00 hrs.
7.	Bid Submission closing (On line)	10.5.2017 at 17:00 hrs.
8.	Last Date of submission of Earnest Money Deposit	11.5.2017 within 13:00 hrs.
	Including the technical brochure, if any (Off line)	
9.	Bid opening date for Technical Proposals (Online)	12.5.2017 at 13:00 hrs.
10.	Date of uploading list for Technically Qualified Bidder (online)	To be notified later
11.	Date of uploading the final list of Technically Qualified Bidder	To be notified later
	(online) after disposal of appeals, if any.	
12.	Date for opening of Financial Proposal (Online)	To be notified later



Ref: BI-K/E-TEND/02/2017-18

<u>SECTION - A</u> INSTRUCTION TO BIDDERS

- **A. General guidance for e-Tendering:** Instructions / Guidelines for electronic submission of the tenders have been annexed for assisting the vendors to participate in e-Tendering.
- 1. **Registration of Vendors**: Any vendor willing to take part in the process of e-Tendering will have to enrol and get registered in the Central Public Procurement (CPP) Portal, NIC, GOI through logging on to http://eprocure.gov.in/eprocure/app and the vendor is to click on the link for e-Tendering site as given on the above.
- 2. **Digital Signature certificate (DSC)**: Each vendor is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders as applicable from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated in Clause A.1. above. DSC is given as a USB e-Token.
- 3. The foreign bidders can directly submit their bid through the e-procurement by obtaining their DSC applicable from NIC, India.
- 4. The vendor can search & download N.I.T. & Tender Document(s) electronically from computer once they log on to the website mentioned in Clause A.1. using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.
- 5. **Submission of Tenders:** Tenders are to be submitted through online as stated in Clause A.1. in two folders at a time for each bid, one in Technical Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded should be virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).
- 5. A. **Technical Proposal:** The Technical proposal should contain scanned copies of the following in two covers (folders).
 - (a) Statutory Cover containing the following documents:
 - (i) NIT (Download the NIT & upload the same using digital signature)
 - (ii) Registration Certificate for enrolment with the Central Purchase Organization (e.g. DGS&D) for quoting on behalf of the foreign principals.
 - (iii) Bidders' Information Form
 - (iv) Bid Form
 - (v) Techno-Commercial Bid Form
 - (vi) Manufacturer's Authorization Form
 - (vii) Bidder's Performance Statement Form
 - (viii) Service Support Details Form
 - (ix) Technical Compliance Statement Form
 - (x) Bid Security Form
 - (xi) Performance Bang Guarantee Form



Ref: BI-K/E-TEND/02/2017-18

(b) Non-statutory Cover containing the following documents:

For indigenous quotes the bidder has to upload requisite registration / tax certificate like VAT, TAN, PAN, Trade License, CIN etc.

Note: Please note that for cases where quotes are in currency after than INR is the Indian agent, who quotes on behalf of foreign principal do not possess the Registration Certificate as mentioned in 5.A. (a) (ii) their bids will not be considered.

Note: Failure to submit any of the above mentioned documents (listed under 5(a) & (b) may render the bid liable to be summarily rejected for both statutory and non-statutory cover.

5.B. Financial Proposal:

- a. The financial bid should contain the Bill of Quantities (BOQ) corresponding to this tender, which is available on the tender webpage as an MS-Excel file.
- b. This file must be downloaded and opened with MS-Excel. The rate being quoted by the bidder must be entered in the space marked for this purpose in the file. Quoted rate will be encrypted under BOQ. In case quoting any rate in Tender Form, the tender is liable to be summarily rejected.
- c. All fields in the BOQ file other than those allocated for the name of the bidder and the rate(s) being quoted are non-editable.
- d. The BOQ file must be saved after this and should be uploaded using digital signature.
- e. OPTIONAL ITEMS/Additional Warranty Charge beyond Standard warranty period and training charges (if any) must be separately quoted and uploaded as PDF file.
- In the BOQ <u>quoted in foreign currency</u> (click to select currency) fill up the applicable column and ignore the other (i.e. 'Ex-works', 'Discount (if any)', 'Freight', 'Insurance', 'other taxes (if applicable), 'Installation & commissioning charges (if applicable)' and ignore the other column.
- In the BOQ <u>quoted in INR</u> (click to select currency) fill up the applicable column and ignore the other (i.e. 'Basic Rate', 'Discount (if any)', 'Excise duty', 'Sales Tax', 'Other taxes (if applicable)', 'Installation & Commissioning charges (if applicable)' and ignore the other.

6. Earnest Money Deposit:

- (a). Demand Draft / Bankers Cheque / Bank Guarantee towards Earnest Money (EMD) as prescribed in the N.I.T. should in favour of "Bose Institute, Kolkata" payable at Kolkata.
- (b). Demand Draft / Bankers Cheque / Bank Guarantee towards Earnest Money (EMD) as prescribed in the N.I.T. against each of the instruments in favour of "Bose Institute, Kolkata" payable at Kolkata (original hard copy) and submitted to the Purchase Section (Import) of the Centenary Building, P-1/12, CIT Scheme VII-M, Kolkata 700054.



Ref: BI-K/E-TEND/02/2017-18

THE ABOVE STATED STATUTORY / NON-STATUTORY DOCUMENTS SHOULD BE ARRANGED IN THE FOLLOWING MANNER

Click the check boxes beside the necessary documents in the My Document list and then click the tab "Submit Non Statutory Documents' to send the selected documents to Non-Statutory folder.

Next Click the tab "Click to Encrypt and upload" and then clik the "Technical" Folder to upload the Technical Documents.

N.B.: Failure of submission of any of the above mentioned documents as stated in Sl. No. A.5.(a). and Sl. No. A.5.(b). And 6 (a) & (b) will render the tenderer liable to be rejected for both statutory & non statutory cover.



Ref: BI-K/E-TEND/02/2017-18

- 1. Tender Evaluation Committee (TEC): Evaluation Committee constituted as per Order of the competent authority of Bose Institute, Kolkata.
- 2. Opening & evaluation of tender: If any vendor is exempted from payment of EMD, copy of relevant Government Order needs to be furnished and uploaded in the portal as PDF file.
- 3. Opening of Technical Proposal: Technical proposals will be opened either by the Sr. Prof. & Incharge, Registrar's Office / Assistant Registrar / Accounts Officer / Audit & Finance Officer, Bose Institute, Kolkata or their authorized representatives electronically from the website using their Digital Signature Certificates (DSC).
- 4. Intending tenderers may remain present if they so desire
- 5. Cover (folder) for Statutory Documents (Ref. Sl. No. A.5.(a).) will be opened first and if found in order, cover (folder) for Non-Statutory Documents (Ref. Sl. No. A.5.(b).) will be opened. If there is any deficiency in the Statutory Documents the bid will summarily be rejected.
- 6. Decrypted (transformed into readable formats) documents of the non-statutory cover will be downloaded & handed over to the Tender Evaluation Committee.
- 7. Pursuant to scrutiny & decision of the Tender Evaluation Committee, the summary list of eligible tenderers will be uploaded in the web portals.
- 8. During evaluation the committee may summon of the tenderers & seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

9. Financial Proposal:

- a). The vendor is to quote the rate online in the space marked for quoting rate in the BOQ. For optional items as mentioned in the specifications may be quoted separately in the additional sheet as enclosed in the Financial Cover.
- b). Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the vendor.
- c). Penalty for suppression / distortion of facts:
 - If any tenderer fails to produce the original hard copies of the documents on demand of the Tender Evaluation Committee within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies, it may be treated as submission of false documents by the tenderer and action may be referred to the appropriate authority for prosecution as per relevant IT Act.
- (d). Rejection of Bid:
 - Director, Bose Institute reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Institute's action.
- (e). Award of Contract:

The Bidder whose Bid has been accepted finally (both technical and financial), will be informed by the Institute authority for award of contract.

The notification of award will constitute the formation of the Contract.



Ref: BI-K/E-TEND/02/2017-18

GENERAL INSTRUCTIONS

- The bids would be opened in the presence of the bidders who wish to attend the Bidopening. However, the representative should bring with them a letter of authority from the corresponding bidders, without which, they are not permitted to attend the bid opening.
- The acceptance of the quotation will rest with the competent authority of Bose Institute, Kolkata who does not bind himself to accept the lowest quotation and reserves the right to himself to reject, or partially accept any or all the quotations.
- The offer shall be valid for ninety days from the date of opening of the quotations. No revision in price will be allowed after opening the quotation.
- Unsolicited / conditional / in complete / unsigned digitally tenders shall not be considered.
- Prices are required to be quoted in units. When quotations are given in terms of other units, relationship between two sets of units should be furnished. Quantity discounts, if any should also be indicated. The items should be quoted indicating the serial nos.
- To assess in the examination / evaluation, comparison and post qualification of the bids, purchaser may at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the prices or substance of the bids shall be sought, offered or permitted. Any clarification submitted by the bidder in respect of its bid which is not in response to a request by the purchaser shall not be considered.
- Either the Indian Agent on behalf of the Foreign principal or the Foreign principal can bid directly in a tender but not both. However, the offer of the Indian Agent should also accompany the authorisation letter from their principal. To maintain sanctity of tendering system, one Indian Agent can not represent two different Foreign principals in one tender.
- Please indicate the agents in India, their address, the details of service rendered by them & the percentage of commission payable to them. In normal courses agency commission is not allowed.
- Two or more vendors cannot submit bid quoting the rates on behalf of same OEM.
- The Institute is registered with Department of Scientific & Industrial Research, Govt. of India and thus is exempted from Customs/Central Excise duty vide notification no. 10/97 dated 01.3.1997 and 16/2007 dated 01.03.2007. The present details of registration are no. 11/106/1988-TU-V dt. 31.3.2018.
- The mode of dispatch of the items must be mentioned clearly in the quotation.
- In case the products are available on DGS&D rate contract, please quote on DGS&D rate contract rates attaching a copy of the RATE CONTRACT.
- Samples, if called for, shall be submitted free of charge and or no obligation basis.
- The offered delivery period shall have to be strictly adhered to in case an order is placed.



Ref: BI-K/E-TEND/02/2017-18

SECTION B

TERMS & CONDITIONS

1. Price:

- Bidders are requested to give their final and best offer. <u>Techno-Commercial</u> Discussions will be held with the Lowest Bidder only, if necessary.
- Vendors, who do not accept our standard commercial terms are liable to be ignored. A
 categorical confirmation of acceptance of all our terms and conditions in toto will have to
 be observed which enable speedy processing of the offers.
- Pre-conditioned, incomplete offers, not in line with the terms and conditions of the tender documents, are liable to be rejected.

a. For Foreign Quotation:

- The price of the goods, quoted FOB/FCA port of shipment should include Export Packing, Loading Charges, Inland Freight, carriage etc. in the shipper country to be paid by the Supplier.
- The price for transportation / carriage and insurance and other costs incidental to delivery of the goods upto the port of despatch (CIF/CIP).
- Prices quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non responsive and rejected.
- Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid. Conditional offers indicating changes to price quoted due to price increase / decrease by the principal firm, market fluctuations, foreign exchange fluctuations etc. shall make the bid liable to be cancelled.

b. For Indigenous Quotation:

- The price of the goods, quoted (ex-works / ex-factory / ex-showroom / ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and other taxes already paid or payable.
- The amount payable on account of Excise Duty and other applicable taxes (VAT/CST/Service) should be mentioned clearly. If there is no explicit mention of taxes in your offer then quoted price will be deemed inclusive of such taxes. No other charges except those mentioned clearly in the quotation will be paid.



Ref: BI-K/E-TEND/02/2017-18

Rates should be quoted FOR, Bose Institute, Kolkata inclusive of packing, forwarding, installation and documentation & commissioning charges etc. If ex-works prices are quoted then packing, forwarding, documentation, freight and insurance charges must be clearly mentioned separately. Vague terms like "packing, forwarding, transportation etc. extra" without mentioning the specific amount/percentage of these charges will NOT be accepted. Such offers shall be treated as incomplete and rejected. Where there is no mention of packing, forwarding, installation and commissioning, freight, documentation, insurance charges, such offers shall be summarily rejected as incomplete.

2. Period of validity of Bids:

- Bids shall remain valid at least for <u>90 days</u> after the date of bid opening prescribed by the Purchaser.
- In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity.
- 3. **Bid Currencies:** Prices shall be quoted in Indian Rupees or in freely convertible foreign currency wherever possible for comparison.
- 4. Purchaser's Right to vary Quantities at the Time of Award: The Purchaser reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions. However, the Purchaser reserves the right to call the lowest firm for negotiation in case of increase in quantity.
- 5. Order acceptance: The successful bidder should submit acceptance of the Purchase Order immediately but not later than 30 days in any case from the date of issue of the Purchase Order failing which it shall be presumed that the vendor is not interested and his bid security is liable to be forfeited.
- 6. Patent Rights: The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.
- 7. Insurance: The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner
- **8.** Transportation: Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within India defined as Project site, transport to such place of destination in India including insurance, as shall be specified in the Contract, shall be arranged by the Supplier, and the related cost shall be included in the Contract Price.

Ref: BI-K/E-TEND/02/2017-18

9. Change Orders:

- The Purchaser may at any time, by written notice given to the Supplier make changes within the general scope of the Contract in any one or more of the following:
 - Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - The method of shipping or packing;
 - The place of delivery; and/or
 - The Services to be provided by the Supplier.
 - The delivery schedule
 - If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within fifteen (15) days from the date of the Supplier's receipt of the Purchaser's change order.

10. Penalty:

- If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to the percentage of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the Percentage. Once the maximum is reached, the Purchaser may consider termination of the Contract.
- The applicable rate is 0.5% per week and the maximum deduction is 5% of the contract price.
- **11.** Applicable Law: The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction at Kolkata.
- **Right to Use Defective Goods:** If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

13. Payment:

Payments shall be made promptly by the Purchaser normally after submission of the invoice or claim by the Supplier.

a. For Foreign Payment:

In case of imports, payments are usually made through Letter of Credit (LC) / wire transfer / FDD wherever applicable. The LC will be opened for 100% value but the payment shall be released partly after despatch and partly after installation & commissioning. 90% of payment will be released on



Ref: BI-K/E-TEND/02/2017-18

shipping documents and remaining 10% on successful installation and commissioning with submission of Performance Bank Guarantee of 10% of the order value. In case of Purchase Order value equivalent to INR 5 Lakh and above, 10% Performance Bank Guarantee (PBG) should be submitted before establishment of the LC/release of the payment.

Agency commission, if any shall be paid in Indian Rupees after satisfactory installation & commissioning of the goods at the destination at the exchange rate prevailing on the date of negotiation of LC documents, subject to DGS&D registration for restricted items. Tax at source deduction is applicable to the Agency Commission paid to the Indian Agent as per the prevailing rates and rules. In normal circumstances agency commission is not paid.

b. For Indigenous Payment:

• The general conditions of payment for any indigenous items are 100% payment after successful installation & commissioning of the equipment. In case the equipment does not need any installation & commissioning the period shall be reckoned from the date of delivery & inspection. In case of Purchase Order value equivalent to INR 5 Lakh and above, 10% Performance Bank Guarantee (PBG) should be submitted before release of the payment.

14. Delivery:

a. For Foreign Consignment:

- Delivery of the consignment(s) should be made within a maximum of <u>8 weeks from the date of placement of purchase order unless otherwise specified so</u>. Within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by cable/telex/fax/e mail the full details of the shipment including contract number, railway receipt number/ AWB etc and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:
 - 4 Copies of the Supplier invoice showing contract number, goods' description, quantity, unit price, total amount;
 - Acknowledgment of receipt of goods from the consignee(s) by the transporter;
 - Insurance Certificate if applicable;
 - Manufacturer's/Supplier's warranty certificate;
 - Inspection Certificate issued by the nominated inspection agency, if any, and the Supplier's factory inspection report;
 - Certificate of Origin; and
 - Two copies of the packing list identifying the contents of each package.
- The above documents should be received by the Purchaser before arrival of the consignment(s) (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.



Ref: BI-K/E-TEND/02/2017-18

b. For Indigenous Consignment:

The delivery of the consignment(s) should be made within 4-6 weeks from the issue of the Purchase Order, unless otherwise specified.

- **15. Bank Charges:** For Foreign Procurement: The bank charges inside India to the applicant account and outside India to the beneficiary account.
- **16. Installation :** Installation should be Free of Cost and should be completed within maximum 07-10 days after delivery of the consignment.
- 17. Warranty:
 - The Supplier shall warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier shall further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination. The warranty should be comprehensive and on site.
 - This warranty shall remain valid at least for 12 months after the Goods or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for 18 months after the date of shipment whichever period concludes earlier. The applicable warranty for each of the instruments are mentioned in the respective specifications.
 - The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall immediately, within a reasonable period, arrange to repair or replace the defective goods or parts thereof free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. In case any component has to be imported the same shall be done on DDU Kolkata basis and the purchaser shall provide the customs duty exemption certificate. If the supplier having been notified fails to remedy the defects within a reasonable period, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expenses and without prejudice to any other rights, which the purchaser may have against the supplier under the contract.
 - Warranty period shall be 12 months from date of acceptance of Goods. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests. The warranty should be comprehensive on site.
 - If a different period of warranty has been specified in the 'Technical Specifications' shall stand modified to that extent.
 - The necessary warranty certificate in this effect should be furnished along with the consignment.

Ref: BI-K/E-TEND/02/2017-18

- 18. **Training:** The Supplier is required to train the designated Purchaser's technical and end user personnel to enable them to effectively operate the total equipment.
- 19. **Supporting Equipment:** If equipment will require indigenous supporting instruments/accessories (computer, printer, online UPS etc.) at the time of the installation, the same should be quoted in separate quotation.
- 20. **Service Facility:** Supplier should mention about the possible service set up in India and how capable they are to provide after sales service.

21. Force Majeure:

- The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 22. Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full. The reasons for rejecting the tender of a prospective bidder will be disclosed only when enquiries are made.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specification for UV-VIS Spectrophotometer

- 1. A UV-VIS spectrophotometer capable of running at 220V/50Hz AC power with LCD display and soft keypad to allow stand-alone operation as well as complete control through computer.
- 2. Double Beam optics with holographic grating.
- 3. Wavelength range: 190 to 1100nm
- 4. **Spectral Bandwidth**: Variable 0.5, 1, 2, 5 nm
- 5. **Stray light**: Less than $\pm 0.02\%$ T (340nm, NaNO₂)
- 6. Wavelength Accuracy: ± 0.1 nm at D₂ peak (656.1 nm) and ± 0.3 nm for entire range
- 7. Wavelength Reproducibility: ±0.1nm
- 8. **Baseline Stability**: 0.0004 Abs/h
- 9. **Photometric Accuracy**: ±0.002 Abs (0 ~0.5A), ±0.004 Abs (0.5 ~ 1A), and ±0.3% T (0 ~ 100% T)
- 10. **Photometric Reproducibility**: ± 0.001 Abs $(0 \sim 0.5\text{A})$, ± 0.002 Abs $(0.5 \sim 1\text{A})$, and $\pm 0.15\%$ T $(0 \sim 100\%$ T).
- 11. **Noise Level**: 0.00005 Abs (RMS value @ 500nm)
- 12. **Light source**: High intensity Xenon lamp or Tungsten Halogen and Deuterium lamp with automatic Changeover
- 13. **Detector**: High sensitivity matched pair Silicon Photodiode detector.
- 14. **Operational modes**: standard Photometric, quantitative, Spectrum scan, Kinetics, DNA and Protein.
- 15. The spectrophotometer must be supplied with a **controller computer**, **necessary software**, and a **UPS system** to provide at least an hour backup and **a printer**.
- 16. **Warranty:** A minimum of 3 (THREE) years comprehensive warranty/replacement guarantee on all items from the date of installation.
- 17. **Operation and maintenance training** should be arranged at Buyer's facility (free of cost).
- 18. Instruments must be attended within 48 hours in case of breakdown.

Optional

- 1. PeltierThermostatted Cell Holder: Temp Range: 5°C to 100°C; Temp Accuracy: ±0.1 °C; suitable water bath circulator for Peltier can be quoted as optional item.
- 2. Extended warranty/AMC charge beyond three years may be quoted separately as an optional item.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specifications for Ultra Low Temperature -86°C Freezer (Upright)

Freezer Unit must have:

- 1. Temperature range between-65°C to -86°C, and able to operate continuously at or below -80°C.
- 2. Must use Non-CFC Refrigerants.
- 3. An upright model,capacity more than 600 liters, and with two (2)≥1 horsepower compressors (dual compressors).
- 4. Must be able to function in two different modes: high performance mode and energy saving mode. Instrument must be able to switch between these modes automatically as per the cooling demand.
- 5. Exterior should be made of durable steel with powder coat paint for a durable surface which is resistant to chipping, rusting etc.
- 6. Must be Double door access with four inner doors and adjustable solid stainless steel shelves. Interior should also be of durable steel.
- 7. Single-hand opening and closing with an easy-to-use ergonomic door handle with integrated keylock.
- 8. Silicone door gasket to provide longer holding time while opening door of the freezer.
- 9. Electrical requirements: 230V 50Hz without extra transformer
- 10. Automatic voltage compensator responding to high and low voltages.
- 11. Should have front to back airflow with removable, cleanable air filter. Filter and battery should be easily accessible.



Ref: BI-K/E-TEND/02/2017-18

Technical Specifications for Ultra Low Temperature -86°C Freezer (Upright)

- 12. A vacuum relief port should be present which would allow easy re-entry after door openings.
- 13. Freezer system must be supplied with CO₂/N₂ based back up system.
- 14. System must have automatic cooling mechanism to keep the compressor cold enough for proper functioning, and must not depend upon an external cooling source that is not part of the instrument.
- 15. Remote Alarm Terminal: Must have the required attachment to be connected to a remote telephone alarm system to inform the user at a remote location when system failure is detected.
- 16. Certification: CE certified or equivalent

17. TEMPERATURE CONTROL

The microprocessor controller must monitor $\leq 1^{\circ}$ C increments, with digital display. Eye level viewing of digital display.

Temperature probe must be positioned to ensure the alarm sounds before the stored product can be affected by a rise in temperature.

18. Warranty: Minimum 3 years, comprehensive

19. Service: Must have service engineer in Kolkata for service and replacement of parts (if required) at user's site. Service call must be attended within 24hrs of reporting.

Optional: Full loaded racks and box (for four shelves)

1. Sliding Drawer Racks and 2" Boxes with 100 count cell dividers for both upper and lower half of double door freezers.

Racks: ≥5 and Boxes: ≥100

2. Remote alarm telephone system



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specifications for Table top Speed Vac Concentrator

Table top vacuum concentrator unit for quick and efficient drying of samples with variable drying rate.

- 1. The concentrator should operate on a vacuum system with oil free vacuum pump and -100°C (or below) refrigerated vapour trap. Necessary condensation flask (glass), tubing and cooling liquids should be provided.
- 2. Vacuum pump must have the following specification: maximum vacuum 1.5 mTorr or better, 230V, 50Hz, displacement ≥110 litres/min, oil mist eliminator (if the pump is not oil free), noise level ≤50 dBA, multi position gas ballast control, user friendly oil change mechanism that does not need participation of service engineer of the vendor, thermal overload detection and cut off switch with automatic reset, pump must be compatible with acids and DMSO/DMF type of solvents.
- 3. The concentrator should be able to dry samples of various solvent systems; that include (but not limited to) water, acetonitrile, methanol, ethanol, isopropanol, water-acetonitrile, water-methanol, water-ethanol, etc.
- 4. Inner chamber must be metallic, non-reactive, and Teflon coated.
- 5. Chamber dimension: depth 5-7inches, diameter 10-12inches.
- 6. Should have automatic bleeder valve.
- 7. Standard glass (or equivalent transparent material) safety lid with safety cover lock should be provided.
- 8. Rotor for 1.5ml/2ml micro-centrifuge tube should be provided. Capacity of rotor should be at least or more than 36 x 1.5ml/2ml.
- 9. Rotor for 12-15ml tube having at least 10 positions.
- 10. There should be a time and temperature display, preferably touch screen or touch pad switches.
- 11. Option for both manually timed runs and automatic set timed runs.
- 12. Electrical requirement: 230V, 50/60 Hz without any additional transformer.
- 13. Dimensions (external) should not be more than (L x W x H) 84 inches x 36 inches x 36 inches.
- 14. Chemical trap kit along with color indicator based disposable cartridges.
- 15. Installation and training at user's site without any extra cost.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specifications for Table top Speed Vac Concentrator

- 16. **Warranty**: Warranty: A minimum of 3 (THREE) years comprehensive warranty/replacement guarantee on all items from the date of installation.
- 17. **Service:** Must have service engineer in Kolkata for on-site service. Instrument must be attended within 48hrs of reporting a problem.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specification of Low Temperature (-30°C) freezer

- 1) Storage volume: 320Ltrs or more
- 2) Must be upright model.
- 3) Electrical: 230V, 50Hz without extra transformer
- 4) Amperage/Breaker: 8A/15A
- 5) Defrost system: Microprocessor-initiated automatic defrost and condensate removal system, should defrost at least once in every 6 hours
- 6) Temperature rating: -30°C@ 32°C ambient
- 7) Alarms: Audible and visible temperature alarms, power failure alarm should be there
- 8) Refrigerant: CFC-HCFC free
- 9) Shelves: Minimum 4 adjustable shelves
- 10) Door: Single solid self-closing door with keyed lock
- 11) Controller: Microprocessor based controller with clearly visible digital display at the eye-level
- 12) Include Casters
- 13) Shipping weight: less than 130kg
- 14) Include Battery backup and remote alarm terminal
- 15) Remote alarm: Telephone system attachment for automatically alarming the user at a remote location when system failure is detected.
- 16) Certification: CE certified or equivalent
- 17) Warranty: A minimum of 3 (THREE) years comprehensive warranty/replacement guarantee on all items from the date of installation.
- 18) Operation and maintenance training should be arranged at Buyer's facility without extra cost.
- 19) Service: Service at user's site. Instrument must be attended within 24 hours in case of breakdown.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specifications for Large capacity CO₂ Incubator

- 1. Incubator chamber capacity of at least or more than 800 liters.
- 2. Temperature range: from 5°C above ambient to ≥60°C.
- 3. CO₂ Control Range of 1-20% with thermal conductivity or infra red CO₂ sensor.
- 4. Selectable humidity ranges: Off, Medium and High.
- 5. Electrical requirement: 220-230V, 50-60Hz without additional transformer.
- 6. Solid stainless steel chamber and shelves which are easy to clean; corrosion resistant surface. Cabinet should be UL listed, CSA certified, and CE marked or equivalent.
- 7. Rugged, highly durable powder-coated steel exterior shell which should be resistant to scratching, corrosion, and deformation.
- 8. Choice of manual or automatic water control level with standard chamber drainage system for easy draining of chamber after cleaning.
- The chamber air should be circulated in Horizontal laminar airflow pattern and should be directed via ducts to provide temperature uniformity of +/- 0.3% regardless of product load or shelf blockage.
- 10. Should have Microprocessor control.
- 11. Easy to read and easy to program monitoring system with large LED display for temperature with alphanumeric message center.
- 12. Should have programmable audio and visual alarms for under temperature, over temperature, high and low CO₂, and low water level.
- 13. Standard alarm contacts should be available to notify power interruption, deviation in temperature and CO₂ through connection jack, preferably, at the back of the unit.
- 14. Heated dual-pane glass door to provide quicker recovery to uniform temperature after door openings.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specifications for Large capacity CO₂ Incubator

- 15. Built in left and right side access ports and chamber duplex power outlet for easy setup of either equipment or external monitoring probes in the chamber.
- 16. Standard casters and levelling tools to easily move the unit within the lab, and simple to level for use.
- 17. Reinforced floor and ramp or reinforced shelving systems which can enhance unit flexibility, by allowing roller bottle systems, orbital shakers, or in general heavy loads to be used inside the chamber.
- 18. Suitable CO₂ cylinder and gas regulator with voltage stabilizer need to be quoted.
- 19. Warranty: Minimum 3 years comprehensive.
- 20. **Service:** Must have service engineer in Kolkata for on-site service and replacement (if required). Instrument must be attended within 48hrs of reporting a problem.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specification for Stackable Refrigerated Incubator Shaker

- 1) **Stack:** 2 units, vertically stackable. All required stacking kits should be included. Should be capable of adding at least one more stack in future.
- 2) Two stacks should be able to operate independently (with respect to speed, temperature, sample load).
- 3) **Speed range:** 25-400 RPM with 1RPM increment and minimum vibration on both stacks while in operation.
- 4) **Shaking orbit/throw**: Approx. 25±1mm
- 5) **Temperature range:** From 12°C (when ambient is 25°C or less) to 60°C or higher
- 6) **Temperature accuracy:**±0.2°C or better
- 7) **Alarm:**Visible and/or audible over/under temperature alarm as well as high/low speed deviation alarms should be there.
- 8) **Timer:** There should be an adjustable timer with 1min- 99.9 hrs or more and hold / continuous running option
- 9) **Display:** Clearly visible digital LED display for temperature, speed and timer must be there
- 10) Load capacity: 30kg or more
- 11) **Counter balance drive:** Must be able to heavy duty load (at least 8 ltrs of culture) or unbalanced loads at greater than 250 rpm
- 12) **Platform :** Universal platforms must be included for both stacks. It should be able to accommodate at least 10 of 2Ltrs Erlenmeyer flasks
- 13) **Footprint area:** Less than 12,500sq cm.
- 14) Warranty: Minimum 3 years comprehensive
- **15) Service:** Must be attended within 48hrs.
- 16) **Installation and training:** Installation and training at the buyer's site is must at no extra cost
- 17) **Clamp and holders**: Clamps for the following flasks and tubes should be included.
 - (i) 125ml Erlenmeyer flask X 12 pcs
 - (ii) 250ml Erlenmeyer flask X 12 pcs
 - (iii) 500ml Erlenmeyer flask X 12 pcs
 - (iv) 1000ml Erlenmeyer flask X 12 pcs
 - (v) 2000 ml Erlenmeyer flask X 12 pcs
 - (vi) 2800 ml Fernback flask X 12 pcs
 - (vii) 15-20mm tubes with at least 40 tube spaces X 1 pc
 - (viii) 20-25mm tubes with at least 40 tube spaces X 1 pc

Optional :: Sticky mats can be quoted separately as optional.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specification for Biosafety Cabinet Class II

- 1. Airflow Filtering System of the unit must comply to the **Class II** standard of Biosafety Cabinets.
- 2. Type: A2, where ≥70% air is recycled and ≤30% is exhausted
- 3. Down flow volume flow: ≥450 CFM, Exhaust air volume flow: ≥300 CFM
- 4. Airflow velocity: inflow 0.5-0.55 m/sec; down flow 0.3-0.35 m/sec.
- 5. Filter class: H14 HEPA EN1822 or better with efficiency >99.995% for 0.3micron particles
- 6. Motor: Two motors (preferably DC, to save power)
- 7. Stainless steel interior
- 8. The Bio safety cabinet must have dual side wall with negatively pressurized interstitial space.
- 9. Airflow adjustment: Automated airflow adjustment without damper and automatic blower speed adjustment when front sash is closed
- 10. Safety I: Exhaust blower should work even when supply blower is not functioning, but if exhaust blower is not functioning supply blower should stop.
- 11. Safety II: Safety interlock system to stop UV illumination when window is open
- 12. The cabinet must automatically reduce fan/blower motor speed to ≤30% when the front window sash is in closed position to ensure reduced energy consumption.
- 13. Pressure sensor: Should have covered pressure sensor (not a single point anemometer) for detecting supply pressure
- 14. Heat emission: Max 0.2KW at 25°C
- 15. Working height of front window: 10-12 inches
- 16. Interior working surface: Minimum 850sq. inches
- 17. Interior Dimension: length 45-50 inches, depth 20-25 inches, height 30-35 inches
- 18. Exterior Dimension: length 50-55 inches, depth 30-35 inches, height 60-65 inches
- 19. Weight:≤200kg
- 20. Electrical: 230V, 50/60Hz without additional transformer
- 21. UV decontamination: Time programmable (0-24 hrs) UV light
- 22. Easy clean: Front and back of window should be easily accessible for cleaning
- 23. Noise: Less than 65dB(A) from 1 foot in front of the cabinet
- 24. Illumination: Minimum 120 foot candles on work surface
- 25. Unit must be microprossesor controlled.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specification for Biosafety Cabinet Class II

- 26. Control Panel with LED indicator: Time counter, real-time safety and service requirements, airflow velocity read-out, load on HEPA filter.
- 27. Front sash status: Visible and audible alarm to indicate correct/incorrect work position of front sash.
- 28. Audible and visual Alarms for HEPA filter failure, blower failure, airflow speed failure
- 29. Certification: Must be NSF certified or equivalent
- 30. The Cabinet must have provision to fit taps for Vacuum, Water and Non Combustible Gas.
- 31. The cabinet must be provided with fixed / adjustable Height Stand, UV Light (at list 2 pcs), two electrical outlet (5A), and one set of detachable arms rest.
- 32. Warranty: A minimum of 3 (THREE) years comprehensive warranty from the date of installation.
- 33. Operation and maintenance training should be arranged at Buyer's facility without additional cost.
- 34. **Service:** Must have service engineer in Kolkata for on-site service. Instrument must be attended within 48hrs of reporting a problem.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

Technical Specification for Cryogenic Cell Storage System

- Capacity: 70 ± 5 liters
- Neck diameter \leq 8.5-9 inches (but big enough for easy access to cryoboxes).
- Static Holding Time: ≥ 80 days.
- Must be equipped with Level Monitor & Low Level Alarm.
- Sample Storage Capacity: $2000 \times 2 \text{ mL vial or } 1600 \times 5 \text{ mL vial (approximately)}.$
- Samples temperature ≤ -180 °C with upto 2 inches (5 cm) of liquid nitrogen in the vessel.
- Dry vessel weight: ≤ 50 Kg.
- Exterior dimensions: $\leq 60 \times 70$ cm (diameter x height)
- Must include 4 Stainless steel racks, each designed to hold at least 5 boxes that contain 96-100 nos. of 1.2/2.0 mL vials.
- Must be supplied with wheeled accessory cart (not more than 6 inches high from floor)
- The vessel should have CE certification (or equivalent).
- Comprehensive Warranty: 2 yrs.
- Documented Service Centre in or around Kolkata, problem must be attended within 48 hours
- Cryo Box (**Optional quote**): 96 × (1.5 / 2.0) ml vials compatible with the vessel.



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

TECHNICAL SPECIFICATION FOR FLOOR MODEL SUPERSPEED REFRIGERATED CENTRIFUGE

- 1) A floor model that does not need to be bolted on to the floor for stable operation.
- 2) Should have flexibility to relocate within the laboratory, instrument weight (without rotor) ≤300kgs
- 3) Maximum Speed:≥25,000 rpm
- 4) **Maximum** *q* force:≥80,000*q*
- 5) Maximum sample capacity: 6 X 1000ml
- 6) **Temperature Range:** \le -10°C to \ge +40°C in \le 1°C increments
- 7) Temperature accuracy:±2°C or less
- 8) Refrigerant: Non-CFC, environment friendly
- 9) **Speed range:**≤1,000 to ≥25,000 rpm
- 10) Speed accuracy: ±25 rpm or less
- 11)Noise ≤65 dBA
- 12) Electrical Requirements: 220-230 V, 50-60Hz, Single Phase
- 13) **Control:** Microprocessor controlled, touch-screen interface, programmable
- 14) Drive System: Brushless high performance direct drive, with friction reduction system
- 15) Run time: adjustable upto ≥ 99hrs or on hold
- 16) Energy saving idle mode
- 17) Automatic identification of the rotor
- 18) Tool-free rotor-lock mechanism
- 19)CE certification or equivalent
- 20) Auto-stop mechanism in case of imbalance
- 21) Multiple acceleration and deceleration profiles/modes
- 22) Capability of setting up and storing ≥100 user defined programs
- 23) Delayed start capability
- 24) Warranty: At least 3yrs comprehensive warranty on the whole instrument (not by part)
- 25) Service: Service center / engineer based in Kolkata, should be attended within 48hrs of notification



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

TECHNICAL SPECIFICATION FOR FLOOR MODEL SUPERSPEED REFRIGERATED CENTRIFUGE

26) Rotors:

a) Light weight, non-corrosive fixed angle rotor

Capacity: 6 X 1,000ml

Max Speed: ≥ 8,000 rpm

Max g force: \geq 15,500 g

Material: Carbon-fiber/Aluminium

Weight: ≤ 17 kg

12 X Compatible autoclavable bottles (1 litre, screw cap, wide mouth,

polycarbonate) to be supplied

Bottle carrying rack to be supplied

b) High performance, non-corrosive fixed angle rotor

Capacity: 8 (or more) X 50ml

Max Speed: ≥ 29,000 rpm

Max *g* force: \ge 1,00,000 *g*

Material: Titanium/Carbon fiber

24 X Compatible autoclavable bottles (50ml, screw cap, polycarbonate) to be supplied

24 X Compatible autoclavable bottles (10/15ml, screw cap, polycarbonate) with suitable adapter to be supplied



Ref: BI-K/E-TEND/02/2017-18

Annexure- I

TECHNICAL SPECIFICATION FOR FLOOR MODEL SUPERSPEED REFRIGERATED CENTRIFUGE

Optional:

i) Light weight, non-corrosive fixed angle rotor

Capacity: 6 X 250ml

Max Speed: ≥ 14,000 rpm

Max g force: ≥ 30,000 g

Material: Carbon-fiber/Aluminium

Weight: ≤ 10.5 kg

12 X Compatible autoclavable bottles (250ml, screw cap, wide mouth, polycarbonate)

Bottle carrying rack

- ii) Suitable adapter for the 6 X 1,000ml rotor to hold 6 x 500ml bottles
- iii) 12 X Compatible autoclavable bottles (250ml, screw cap, wide mouth, polycarbonate)Bottle carrying rack



Ref: BI-K/E-TEND/02/2017-18

Bidder Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted. This should be done of the letter head of the firm]

Date: [insert date of Bid Submission] Tender No.: [insert number for Invitation for bids]

- 1. Bidder's Legal Name [insert Bidder's legal name]
- 2. In case of JV, legal name of each party: [insert legal name of each party in JV]
- 3. Bidder's actual or intended Country of Registration: [insert actual or intended Country of Registration]
- 4. Bidder's Year of Registration: [insert Bidder's year of registration]
- 5. Bidder's Legal Address in Country of Registration: [insert Bidder's legal address in country of registration]
- 6. Bidder's Authorized Representative Information

Name: [insert Authorized Representative's name]
Address: [insert Authorized Representative's Address]

Telephone/Fax numbers: [insert Authorized Representative's telephone/fax numbers]

Email Address: [insert Authorized Representative's email address]

7. Attached are copies of original documents of: [check the box(es) of the attached original documents]

Signature of the Bidder Name Business Address



Ref: BI-K/E-TEND/02/2017-18

BID FORM

(to be submitted on the official letterhead of the bidder)

The Director,

Bose Institute, P-1/12, CIT Scheme-VII/M, Kolkata - 700054 (W.B.) India		
Sir, Having examined the bidding documents the I/We agree to furnish required supplies/services in comportions thereof at the prices given in the Price Bid on II/We agree to hold this offer open until commission the equipment and complete the whole of the period of weeks, from the dacceptance of this tender/receipt of supply order.	formity with the receipt of order f the work and ha	Techno-Commercial Bid or such for the same. and to supply, install and nd over to the purchaser within
I/We agree to submit the bank guarantee as sp for the due performance of the contract, if our bid is ac I/We understand that you are not bound to acce	ccepted.	. , , , ,
With Office Stamp	() Signature of Bidder Name & Address
Telephone No.:		
FAX No.:		
E-mail address:		
Name & Designation of the Contact Person:		



Ref: BI-K/E-TEND/02/2017-18

TECHNO-COMMERCIAL BID FORM

1.	Tender reference No		
'•	render reference no	•	
2	Due date of hid submission		
2.	Due date of bid submission	•	
3.	Main Item Model No.	:	
4.	Life Expectancy of the Equipment (in years)	:	
5.	Warranty Period (in years)	:	
	(, ca)		
6.	Delivery Period of the Equipment		
0.	betivery remod of the Equipment	•	
7.	Details of Bank Guarantee enclosed as Bid Security:		
/.	-	:	
	Name of the Bank	:	
	Branch	:	
	Address with Phone, FAX & E-mail Nos.	:	
	•		
	Amount Rs.		
		•	
	Valid Unto		
	valid opto	•	
0	Country of the Origin of the Favings and		
ŏ.	Country of the Origin of the Equipment	:	
9.	Bid currency	:	
10.	Schedule of Requirements:	:	
8. 9.	Valid Upto Country of the Origin of the Equipment Bid currency Schedule of Requirements:		

Contd.....



Ref: BI-K/E-TEND/02/2017-18

Whether agreeing to all the terms and

.,	conditions including payment terms as mentioned in the bidding documents								
2.	Port of Shipment								
3.	Approximate Shipment Weight (chargeable weight) in Kg. of the packed consignment								
4.	Approximate Dimensions/ Volume of the packed consignment								
Note:									
1.	Adhering to the format given above is a pre-requisite for considering your bid.								
2.	All columns must be filled up.								
3.	Separate list should be attached where required in the same format giving details of each item.								
4.	Please indicate applicability.								
	certify that I/We have completely read ar	nd u	nderstood	and ag	ree t	o all	the to	erms	&
conait	ions given in ITB.								
Mit	066:				(Si	ignatuı	re of E	Bidder)
with	Office Stamp								

Name & Address



Ref: BI-K/E-TEND/02/2017-18 MANUFACTURERS' AUTHORIZATION FORM Dated _____ No. _____ The Director, Bose Institute, P-1/12, CIT Scheme-VII/M, Kolkata - 700054 (W.B.) India Dear Sir: No company or firm or individual other than M/s. ______ is authorized to bid, and conclude the contract in regard to this business. I/We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract and Clause of the Special Conditions of Contract for the goods and services offered by the above firm. Yours faithfully, (Name) (Name of manufacturers)

Note: This letter of authority should be on the <u>letterhead of the manufacturer</u> and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be included by the Bidder in its techno-commercial unpriced bid.



Ref: BI-K/E-TEND/02/2017-18

Name of the Firm.....

BIDDER'S PERFORMANCE STATEMENT FORM

(For a Period of Last 3 Years)

Order placed by (full address with Tel. No., Fax No. & e-mail address of purchaser)	Date	Description and quantity of ordered equipment	Date of completion of delivery as per Contract/ Actual	Remarks indicating reasons for late delivery, if any	Has the equipment been installed satisfactory? (Attach a certificate from the purchaser/ Consignee)
					J ,

Place :	Signature :
Date:	Office stamp



Ref: BI-K/E-TEND/02/2017-18

SERVICE SUPPORT DETAILS FORM

Sl.	Nature of	List of similar type equipments	Address, Telephone	Value of minimum
No.	training imparted	serviced in the past 3 years	Nos., Fax and e mail address of the	stock of consumable spares held at all
	imparted		firm located in	times.
			Kolkata, if any	

	Signature and Seal of the manufacturer/Bidder
Place :	
Date :	



Ref: BI-K/E-TEND/02/2017-18

TECHNCAL COMPLIANCE STATEMENT FORM

An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

SI.No. Tender Spec	ifications	Bidder's Specifications	Deviation/ Remarks, if any Including justification

(Technical literature/brochures/manuals should be attached along with this format)

Please note:

- 1. Compliance/Deviation statement comparing the specifications of the quoted model to the required specifications. This statement should also give the page number(s) of the technical literature where the relevant specification is mentioned.
- 2. Bids must have supporting documents (technical literature or copies of relevant pages from the service manual or factory test data) for all the points noted above, failure regarding which may result in rejection of bid.
- 3. In case the bidder furnishes wrong or false information wilfully in the technical compliance chart, such action shall be viewed strictly and the bidders may be blacklisted.
- 4. Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations".

		Signature and Seal of the manufacturer/Bidder
Place	:	
Date	:	



Ref: BI-K/E-TEND/02/2017-18

BID SECURITY FORM

(To be executed by a scheduled Bank in India on non-judicial stamp paper)

To
The Director,
Bose Institute,
P-1/12, CIT Scheme-VII/M,
Kolkata - 700054 (W.B.) India
Dear Sir,

Whereas (Name and address of Bidder) (hereinafter called "the Bidder") in
response to your Tender Notification No dated is submitting its bid for the
supply of (Name and/or description of the goods) (Hereinafter called "the
Bid").
KNOW ALL PEOPLE by these presents that WE (Name of bank) of (Name
of country), having our registered office at (Address of bank) (Hereinafter called "the
Bank"), are bound unto <i>Director</i> , Bose Institute , Kolkata , INDIA (Hereinafter called "the Purchaser")
for the sum of (Amount of the Guarantee in Words and Figures) for which
payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and
assigns by these presents. Sealed with the Common Seal of the said Bank this day of 20
·

THE CONDITIONS of this obligation are:

- 1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
- 2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:

contd.....



Ref: BI-K/E-TEND/02/2017-18 3. Fails or refuses to execute the Contract Form if required; or 4. Fails or refuses to furnish the performance security, in accordance with the Instruction to Bidders. 5. This guarantee is valid up to(six months from date). We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions. This guarantee will remain in force up to and including forty-five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date. Date: Signature..... Place: Seal of Bankers (Complete Address/Contact Details with Tel./Fax/email etc) 1. Witness:

2.



Ref: BI-K/E-TEND/02/2017-18

PERFORMANCE SECURITY FORM

(To be executed by a scheduled Bank in India on non-judicial stamp paper)

То The Director, Bose Institute. P-1/12, CIT Scheme-VII/M, Kolkata - 700054 (W.B.) India Dear Sir, Sub: Your Contract No. -----for have entered into a contract with reference no as given 1. You above ____ (herein after referred to as the contractor) for the supply, installation, and commissioning of (herein after referred to as stores) for the price and on the terms and conditions contained in the said contract. 2. In accordance with the terms of said contract, the contractor has undertaken to produce a bank guarantee for Rs. _____ (Rupees ___ ____ only) being 10 % of the total value of the said stores supplied to you, for the due fulfilment of its obligations to you for due performance as per the contract during warranty period. In consideration thereof, we hereby expressly, irrevocably and unconditionally undertake and 3. guarantee as principal obligator on behalf of the contractor that in the event you submit a written demand to us that the contractor has not performed according to the contractual obligations included in the said contract, we will pay you on written demand, without demur and without reference to the any sum up to a maximum amount of Rs only). Your demand shall be conclusive evidence to us that such payment is due under the terms of the said contract. Payment by us to you will be made within thirty (30) days from receipt of your request making reference to this guarantee and on demand.

4. This guarantee shall not be revoked without your express consent and shall not be affected by your granting any indulgence to the contractor, which shall include but not be limited to postponement from time to time of the exercise of any powers vested in you or any right which you may have against the contractor and to exercise the same in any manner at any time and either to forbear or to enforce any covenant contained or implied in the said contract or any other course or remedy or security available to you, and our Bank shall not be released from its obligations under this guarantee by your exercising any of your rights with reference to matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on your part or any other indulgence shown by you or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving our Bank from its obligation under this guarantee.



Ref : BI-K/E-TEND/02/2017-18

5.	Notwithstanding anything herein contained, our liability under this guarantee is restricted to Rs (Rupees only) and the guarantee shall remain in
	force up to and including the day of being reported to us by you and returned to us duly discharged.
6.	Unless a demand or claim under this guarantee is made on us in writing on or before the aforesaid expiry date as provided above or unless this guarantee is extended by us all your rights under this guarantee shall be proscribed and we shall be discharged from the liabilities hereunder.
7.	This guarantee shall not be affected by any change in the constitution of our Bank or of the contractor or for any other reason whatsoever.
Date:	Signature
Place:	Seal of Bankers
	(Complete Address/Contact Details with Tel./Fax/email etc)
	Witness:
	1
	2