



बसु बिज्ञान मन्दिर
BOSE INSTITUTE

Unified Academic Campus, Block-EN, Sector V, Kolkata-700091

Ref : BI-K/E-TEND/10/2022-23



बसु बिज्ञान मन्दिर

BOSE INSTITUTE

Unified Academic Campus, Block EN, Sector V,
Kolkata 700091

BIDDING DOCUMENTS

For Tender Notice No.

BI-K/E-TEND/10/2022-23

To be addressed to:

Registrar (Officiating)

registrar_office@jcbose.ac.in, bipurchase@jcbose.ac.in



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INVITATION TO BIDS

Bose Institute, Kolkata, West Bengal, India invites **online** offers from OEM or their authorised agents or their Authorized Dealers for supply, installation and commissioning of the following equipment :

Sl. No	Name of the items	Qty.	EMD (INR)
1.	4 Channel 4 kV/3 mA (4 W) Desktop HV Power Supply Module (USB/Ethernet)	01	8,000
2.	Triple 4-Fold Logic Unit/Majority with VETO	01	6,500
3.	NIM Crate, 300 Watt + Fan Unit	01	11,500
4.	NIM, Double width, Quad Scaler and preset Counter/ Timer	01	9,000

Bid validity : 90 days

- *Details of specifications are enclosed in Annexure - I*

Sl. No.	Particulars	Date & Time
1.	Date of uploading of NIT & other documents (Online) (Publishing date)	07-9-2022 at 16:30 hrs.
2.	Documents download start date (Online)	07-9-2022 at 17:00 hrs.
3.	Clarification Start date Queries to be sent to the mail id bipurchase@jcbose.ac.in)	07-9-2022 at 18:00 hrs.
4.	Clarification End date	12-9-2022 at 17:00 hrs.
5.	Amendment (if any) (On line)	15-9-2022 at 17:00 hrs.
6.	Bid submission start date (On line)	16-9-2022 at 17:00 hrs.
7.	Documents download end date (Online)	28-9-2022 at 17:00 hrs.
8.	Bid Submission closing (On line)	28-9-2022 at 17:00 hrs.
9.	Last date of submission of Earnest money deposit including the technical brochure, if any (off line) in the Purchase Cell	29-9-2022 at 12:00 hrs.
10.	Bid opening date for Technical Proposals (Online)	30-9-2022 at 11:00 hrs.
11.	Date of uploading list for Technically Qualified Bidder (online)	To be notified later
12.	Date for opening of Financial Proposal (Online)	To be notified later



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SECTION - A
INSTRUCTION TO BIDDERS

The procurement will be made by Bose Institute in compliance with the Govt. of India rules framed for public procurement from time to time any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the competent authority.

In this regard the clause and conditions issued as per Ministry of Finance, Department of Expenditure, Public Procurement Division order no F.No.6/18/2019-PPD dated 23 July 2020, must be strictly adhered to and necessary certification as mentioned in the subject order must be submitted along with the tender.

The bidders have to strictly comply with Preference to Make in India (MII) order issued by Govt. Of India.

Micro and small Enterprises (MSME) registered under Udyam Registration are eligible to avail the benefits under the policy, as applicable.

- 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 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.
 4. **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 uploaded documents are to be virus scanned and 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 :
 - NIT (upload the published NIT accepted using digital signature)
 - Annexure 1 : Bid Form
 - Annexure 2 : Techno-Commercial Bid Form
 - Annexure 3 : Manufacturer's Authorization Form
 - Annexure 4 : Bidder's Performance Statement Form
 - Annexure 5 : Service Support Details Form
 - Annexure 6 : Technical Compliance Statement Form
 - Annexure 7 : Make in India Declaration Form
 - Annexure 8 : Fall Clause Certificate



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

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

- *No conditional bid shall be allowed / accepted.*
- *The bidder will have to given an undertaking online that if the information / declaration / scanned documents furnished in respect of eligibility criteria are found to be wrong or misleading at any stage, they will be liable to punitive action.*
- *BI reserves the right to ask for document not enclosed by the bidder as shortfall document online, provided that it does not vitiate the tendering process.*

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 :

- 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.
- 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.**
- 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.
- The BOQ file must be saved after this and should be uploaded using digital signature.
- OPTIONAL ITEMS/Additional Warranty Charge beyond Standard warranty period and training charges (if any) must be separately quoted and uploaded as PDF file.

- **Bidders are requested not to put any percentage (%) in any column of the BOQ.**

6. Earnest Money Deposit:

(a). A/c payee Demand draft / Bankers cheque / Bank Guarantee / e-bank guarantee / insurance surety bonds / fixed deposit receipt towards Earnest Money (EMD) as prescribed in the NIT should in favour of "Bose Institute" payable at Kolkata alongwith a covering letter stating the bank details for releasing the said EMD online by the Institute, as per norms to be submitted to the Purchase Section

**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 click 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 will render the bidder liable to be rejected for both statutory & non statutory cover.*



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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. Bidders or their representative may wish to be present during tender opening, if they so desire
4. 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.
5. Decrypted (transformed into readable formats) documents of the non-statutory cover will be downloaded & handed over to the Tender Evaluation Committee.
6. Pursuant to scrutiny & decision of the Tender Evaluation Committee, the summary list of eligible bidders will be uploaded in the web portals.
7. During evaluation the committee may summon of the bidders & seek clarification / information 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.
8. **Financial Proposal :**
 - a). The vendor is required to quote the rate online in the designated field 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 upon virus scanning & Digitally Signed by the vendor.
 - c). Penalty for suppression / distortion of facts:

If any bidder 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 discrepancy is found between the hard and soft copies that amounts to material deviation, the tender inviting authority may treat such a case as submission of false documents by the bidder and action may be referred to the appropriate authority for prosecution as per relevant IT Act.
 - (d). Rejection of Bid:

Bose Institute reserves the right to accept or reject any Bid or cancel the entire Bidding process at any time prior to the award of Contract without thereby incurring any liability to the Bidder or Bidders or any obligation to inform the Bidder or Bidders 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.



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GENERAL INSTRUCTIONS

<ul style="list-style-type: none">• The bids would be opened in the presence of the bidders who wish to attend the Bid-opening. 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.
<ul style="list-style-type: none">• 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 .
<ul style="list-style-type: none">• The offer shall be valid for ninety days (90 days) from the date of opening of the technical bid. No revision in price will be allowed after opening the quotation.
<ul style="list-style-type: none">• Unsolicited / conditional / in complete / unsigned digitally tenders shall not be considered.
<ul style="list-style-type: none">• <u>Offers that have been blindly copied from the tender specifications are not acceptable and shall be rejected.</u>
<ul style="list-style-type: none">• The Bidder / Company should not be in the list of black listed firms by any Govt. Dept. / agencies.
<ul style="list-style-type: none">• The price comparison will be decided as per BOQ comparative chart on the date of opening of financial bid.
<ul style="list-style-type: none">• 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.
<ul style="list-style-type: none">• 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.
<ul style="list-style-type: none">• Two or more vendors cannot submit bid quoting the rates on behalf of same OEM.
<ul style="list-style-type: none">• The mode of dispatch of the items must be mentioned clearly in the quotation.
<ul style="list-style-type: none">• The offered delivery period shall have to be strictly adhered to in case an order is placed.



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SECTION B

TERMS & CONDITIONS

1. **Price :**

- Bidders are requested to give their final and best offer. Techno-Commercial 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 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.

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 GST 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.**
- 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 90 days** 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.

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.



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- 7.
8. **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.
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 10% of the contract price for liquidated damages
11. **Applicable Law :** In case of any dispute arising out of this contract, the same would be settled either by or process of conciliation and for by arbitration in accordance with the Indian Arbitrator and Conciliation Act 1996 and subsequent amendments made thereto. 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.
12. **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.



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13. **Payment :**

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

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, 3% Performance Bank Guarantee (PBG) should be submitted before release of the payment.**

14. **Delivery :**

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. **Installation :** Installation should be Free of Cost and should be completed within maximum 07-10 days after delivery of the consignment.

16. **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.
- 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.
- Period of warranty and details have been specified in the 'Technical Specification'.
- The necessary warranty certificate in this effect should be furnished along with the consignment.

17. **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. The training shall comprise both user training as well as basic maintenance training to person(s) designated by Bose Institute.



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19. **Supporting Equipment:** If equipment requires indigenous supporting instruments/accessories (computer, printer, online UPS etc.) at the time of the installation, the same should be either included in the main quote or quoted separately as per the technical specifications.
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. **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.**



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Annexure- 1

BID FORM

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

The Registrar(Offcg)
Bose Institute,
Unified Academic Campus
Block-EN, Sector V Kolkata - 700091 (W.B.) India

Sir,

Having examined the bidding documents the receipt of which is hereby duly acknowledged, I/We agree to furnish required supplies/services in conformity with the Techno-Commercial Bid or such portions thereof at the prices given in the Price Bid on receipt of order for the same.

I/We agree to hold this offer open until _____ and to supply, install and commission the equipment and complete the whole of the work and hand over to the purchaser within the period of _____ weeks, from the date of receipt of intimation from you regarding acceptance of this tender/receipt of supply order.

I/We agree to submit the bank guarantee as specified in the form prescribed by your goodself for the due performance of the contract, if our bid is accepted.

I/We understand that you are not bound to accept the lowest or any bid you may receive.

(_____)
Signature of Bidder
With Office Stamp
Name & Address

Telephone No.:

FAX No.:

E-mail address:

Name & Designation of the Contact Person:



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Annexure- 2

TECHNO-COMMERCIAL BID FORM

1.	Tender reference No	:	
2.	Due date of bid submission	:	
3.	Main Item Model No.	:	
4.	Life Expectancy of the Equipment (in years)	:	
5.	Warranty Period (in years)	:	
6.	Delivery Period 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 Upto	:	
8.	Schedule of Requirements :		
I.	Whether agreeing to all the terms and conditions including payment terms as mentioned in the bidding documents		
II.	Approximate Shipment Weight (chargeable weight) in Kg. of the packed consignment		
III.	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.		
I/we certify that I/We have completely read and understood and agree to all the terms & conditions given in NIT.			

(
Signature of Bidder
With Office Stamp
Name & Address
)



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Annexure- 3

MANUFACTURERS' AUTHORIZATION FORM

No. _____

Dated _____

The Registrar(offcg)
Bose Institute,
Unified Academic Campus
Kolkata - 700091 (W.B.) India

Dear Sir:

I/We _____ who are established and reputable manufacturers of _____ having factories at _____ (address of factory) do hereby authorize M/s. _____ (Name and address of Agent) to submit a bid, negotiate and receive the order from you against your tender enquiry.

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 letterhead of the manufacturer 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.



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Annexure- 4

BIDDER'S PERFORMANCE STATEMENT FORM
(For a Period of Last 3 Years)

Name of the Firm.....

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)

Place :

Signature :

Date :

Office stamp



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Annexure- 5

SERVICE SUPPORT DETAILS FORM

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

Signature and Seal of the manufacturer/Bidder.....

Place :

Date :



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Annexure- 6

TECHNICAL 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.

ITEM NAME			
Sl.No.	Tender Specifications	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 :



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Annexure- 7

DECLARATION OF LOCAL CONTENT

Self-Certification for Local Content(on Letter Head of the Bidder)

Ref: DPIIT Order No. P-45021/2/2017-PP (BE-II) pref. to Make in India dated 16th Sept 2020 and subsequent orders / directives made thereto.

Local content value added for the offered item (in percentage)	
State	
District	
Place	

.....
Signature & Name with Designation of Applicant
with Rubber Stamp



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Annexure- 8

Quotation No.....

Date :

PROFORMA OF FALL CLAUSE CERTIFICATE

If on any subsequent date after submission of quotation or placing of supply order, the manufacturer (the term manufacturer will also include his authorized distributor / agent) reduces the sale price of such stores or sells such stores to any party at a price lower than the price charged / chargeable against supply order placed by Bose Institute, Kolkata, the manufacturer (including his authorized distributor / agent) as aforesaid in case the quotation is submitted by them and supply / service is also effected by them) will forth-with notify such reduction in sale price to Bose Institute, Kolkata and price payable for the stores to be supplied against the Supply Order after the date of such reduction in sale price coming into force shall reduced correspondingly and will be reimbursed to the Institute.

(Signature & Date of Bidders with Rubber Stamp)

*** This certificate should be uploaded on the letter head of the company / firm / agency*



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PERFORMANCE SECURITY FORM

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

To
The Registrar(Offcg)
Bose Institute,
Unified Academic Campus
Block-EN, Sector V
Kolkata-91

Dear Sir,

Sub: Your Contract No. -----dated -----for

1. You have entered into a contract with reference no as given above with _____ (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 3% 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.
3. In consideration thereof, we hereby expressly, irrevocably and unconditionally undertake and 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 contractor any sum up to a maximum amount of Rs _____ (Rupees _____ 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.



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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.



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Ref : BI-K/E-TEND/10/2022-23

**Technical Specification of
4 Channel 4 kV/3 mA (4 W) Desktop HV Power Supply Module (USB/Ethernet)**

It should be desktop unit and should have following features.

- 4 independently controllable High Voltage channels in a compact desktop module
- 4 kV / 3mA output ranges (4W max)
- Mixed polarity
- SHV coaxial output connectors
- 20 mV Voltage Monitor resolution
- 10 nA Current monitor resolution
- Remote control via USB2.0 and Ethernet
- Interlock logic for board enable
- Individual channel enable
- Module control via OPC Server
- LabVIEW Instrument Driver
- Status output Channel ON/Status LEDs

Specification

Package	Desktop module
No. of Channels	4
Polarity	2 Channels Positive & 2 channels Negative
Output Voltage	0 to 4 kV
Max. Output Current	3 mA (4W max)
Voltage Set/Monitor Resolution	Set: 100 mV Monitor: 20 mV
Current Set Resolution	50 nA
Current Monitor Resolution	10 nA
VMAX hardware accuracy	2% of FSR
Ramp Up/Down	1 to 500 Volt/sec with 1 Volt/sec step
Voltage Ripple	< 15mVpp
Vmon vs. Vout accuracy	±0.05% of read ±1 V
Vset vs. Vout accuracy	±0.05% of read ±1 V
Iset vs. Iout Accuracy	±2% of read ±100 nA
Imon vs. Iout accuracy	±2% of read ±100 nA
Maximum output power	4 W per channel
Power	Suitable Power adapter to be provided for 230 VAC @ 50 Hz
Software	Software to be provided for both Windows and Linux OS



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Ref : BI-K/E-TEND/10/2022-23

Technical Specification of Triple 4-Fold Logic Unit/Majority with VETO

Triple 4-Fold Logic Unit/Majority with VETO should have following features

- Should have three independent sections with 4 standard NIM inputs each
- AND, OR, MAJORITY function should be selectable for each section
- Should have One auxiliary NIM output per section with width equal to the coincidence duration
- Should have NIM shaped outputs with Fan Out of two
- Should have one negated NIM shaped output per section
- Should have One VETO input per section
- Should have front panel arrangement for output width adjustment on each section

Specifications

Packaging	Single width NIM module
IN	Std. NIM level, 50 Ohm impedance Reflection coefficient: $\leq 7\%$ for Std. NIM inputs of 2 ns risetime Minimum pulse width: ≤ 4.0 ns (FWHM)
VETO	Std. NIM level, 50 Ohm impedance. Reflection coefficient: $\leq 7\%$ for Std. NIM inputs of 2 ns risetime. Minimum width: 10 ns (FWHM). The VETO signal must precede the coincidence event by at least 3 ns.
OUT and /OUT	Std. NIM level on 50 Ohm impedance Width ranges: 6 ns to 100 ns or 20 ns to 800 ns selectable via internal jumpers Rise/Falltime: 2 ns (10% to 90%) Input/Output delay: 14 ns \pm 2 ns
Logic IN	Std. NIM level on 50 Ohm impedance. Width: -Selectable between 3 ns & width equal to input coincidence duration; - Rise/Falltime: 2 ns (10% to 90%). Input/Output delay: 12 ns \pm 2 ns.
AND/OR logic unit mode	Double pulse resolution (OR): 4.5 ns Minimum coincidence overlap (AND): 3 ns
MAJORITY logic unit mode	If "n" are the connected input signals ($1 < n \leq 4$) it is possible to set any majority level "m" with $1 < m \leq n$



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Ref : BI-K/E-TEND/10/2022-23

Technical Specification of NIM, Double width, Quad Scaler and preset Counter/ Timer

Quad Scaler And Preset Counter / Timer (NIM) Specifications

Item: NIM, Double width, Quad Scaler and preset Counter/ Timer Specifications

- Should have Four 8-digit up-counters with 250 MHz max counting rate
- Should have One 7-digit down-counter with 80 MHz max counting rate
- Inputs: 1 NIM/TTL level input per section, 50 Ohm impedance; min. FWHM: 2 ns (sections 1 – 4) , 3 ns (section 5)
- Gate: Section 1 and 3: 2 bridged high-impedance NIM/TTL inputs Section 2 and 4: 50 Ohm impedance NIM/TTL input
- Carry: std. NIM level; two sections should be cascaded by feeding first CARRY into the input of the second section, thereby making a 16-digit counter
- Load: 1 NIM/TTL input, loads counter with value set on thumb-wheel switches, min. FWHM: 3 ns
- Up to three sections can be cascaded for 24-digit counting
- Should have Individual GATE and RESET per counter
- Output: Should have 2 NIM outputs; are true as long as counter's value differs from zero
- End Marker: 1 NIM output; a pulse should be generated when the counter reaches zero. Pulse width can be adjusted by turning the front panel trimmer (50 ns to 1 μ s)