



बसु बिज्ञान मन्दिर  
**BOSE INSTITUTE**

Unified Academic Campus, Block EN 80, Sector V, Salt Lake, Kolkata 700 091, West Bengal, India  
Ref : BI-K/E-TEND/15/2022-23



बसु बिज्ञान मन्दिर  
**BOSE INSTITUTE**

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

## **BIDDING DOCUMENTS**

For Tender Notice No.  
**BI-K/E-TEND/15/2022-23**

To be addressed to:

**Registrar (Officiating)**

[registrar\\_office@jcbose.ac.in](mailto:registrar_office@jcbose.ac.in), [bipurchase@jcbose.ac.in](mailto:bipurchase@jcbose.ac.in)



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**INVITATION TO BIDS**

Bose Institute, Kolkata, West Bengal, India invites **online** offers for supply and installation, testing and commissioning of IP CCTV system for surveillance at Bose Institute Campus subject to the following terms and conditions as integral parts of the contract for the tender :

Sl. No.	Name of the item	EMD
1	Supply, installation, testing and commissioning of IP CCTV system for surveillance at Unified Academic Campus, Bose Institute	<b>Rs. 12,000/-</b>

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

Sl. No.	Particulars	Date & Time
1.	Date of uploading of NIT & other documents (Online) (Publishing date)	28-10-2022 at 17:00 hrs.
2.	Documents download start date (Online)	28-10--2022 at 17:30 hrs.
3.	Clarification Start date Queries to be sent to the mail id <a href="mailto:bipurchase@jbose.ac.in">bipurchase@jbose.ac.in</a> )	28-10-2022 at 17:40 hrs.
4.	Clarification End date	04-11-2022 at 17:00 hrs.
5	Amendment (if any) (On line)	11-11-2022 at 17:00 hrs.
6	Bid submission start date (On line)	12-11-2022 at 17:00 hrs.
7	Documents download end date (Online)	18-11-2022 at 17:00 hrs.
8	Bid Submission closing (On line)	18-11-2022 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	18-11-2022 at 17:00 hrs.
10	Bid opening date for Technical Proposals (Online)	21-11-2022 at 13:00 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**

**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	<b>Registration of Vendors :</b> Any vendor willing to take part in the process of e-Tendering will have to enroll and get registered in the Central Public Procurement (CPP) Portal, NIC, GOI through logging on to <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a> and the vendor is to click on the link for e-Tendering site as given on the above.
2	<b>Digital Signature certificate (DSC):</b> 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	<b>Submission of Tenders:</b> Tenders are to be submitted through online 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).

4	<b>Technical Proposal: Statutory Documents</b>  The tenderers are requested to submit the photocopies of following documents duly signed by the proprietors / authorized signatories along with the tender paper positively.
	i) NIT to be submitted by signed and stamped
	ii) PAN card of the owner
	iii) Income Tax clearance certificate for the last three financial years
	iv) Valid GST registration certificate
	v) Proper authentication of proprietorship / Partnership and Authorization, if quoted on behalf of any OEM
	vi) Valid Trade License
	vii) Experience certificates of at least carrying out two similar work for last three years, in any Govt. organizations/ PSU's/Autonomous Bodies



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5. Annexures :

- 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 : Make in India Declaration
- Annexure 7 : Fall Clause Certificate

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

7. **Earnest Money Deposit:**

Demand draft / Bankers cheque / Bank Guarantee / Insurance security bond / FDR 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 TECHNICAL DOCUMENTS AND ANNEXURES 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 Statutory Documents to send the selected documents to 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. 4, 5 & 7 will render the bidder liable to be rejected.***



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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. 4) will be opened first and if found in order, cover (folder) for Sl. No. 5 & 7 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 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 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.
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:

**Director, 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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**Scope of Work**

- The bidder is required to supply, install and commission the CCTV System at Unified Academic Campus, Bose Institute as per the specifications and conditions specified in the different parts of this Tender document.
- **The bidders are advised to visit the above mentioned sites before quoting bid in the tender.**
- The successful bidder shall give comprehensive hands on Training to the concerned persons as identified by the institute on operations, preventive maintenance, recording and retrieval of the CCTV recordings etc..
- The successful bidder shall carry out the work strictly as per specifications mentioned in various sections of this tender document to the satisfaction of the indenting department.
- Workmanship and material used should be of the ISI quality.
- Bids shall be considered only in those cases where the bidder has quoted for the entire scope of the work.
- The Video management software should include admin management Module. User Right access for live viewing of different Camera, Deletion of data etc. or storage access permission. Multiple user view over LAN network.
- Supply, installation & commissioning of Networkable Digital Video Recorder (NVR) 16 Channel with HDD to store 30 days backup SD recording, along with Monitor for live monitoring.
- Supply, installation & commissioning of live monitoring device with 22' FHD Monitor (Installation to be done in Security Room beside main entrance gate of Institute)
- Powering on equipment after ensuring correctness of terminations, interfaces and power supply and making the system ready for testing and commissioning.



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- Testing of IP CCTV after laying, terminations and ferruling at both the ends. All testing tools and instruments shall be brought by the bidder and taken back after the testing.
- Configuration of the equipment as per the requirements of Bose Institute including Network segmentation and Monitoring
- Onsite warranty for all Networking Equipment's delivered for one year



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**Terms & Conditions**

<b>1</b>	The quantities ordered may vary at the time of execution with approval of Competent Authority
<b>2</b>	The tender/offer should be clear and precise quoting the net price(s) per unit both in words as well as figures, with break -up of different elements, if asked for. The price(s) quoted should be inclusive of applicable taxes and G.S.T applicable to be quoted separately and paid accordingly
<b>3</b>	In case the quotation is accepted and order placed, the contractor shall remain liable to complete the work within the stipulated date.
<b>4</b>	Time of completion of the work is <b>within 30 days</b> from date of receiving the Work Order.
<b>5</b>	The offer shall be valid for <b>90 days</b> from the date of opening of the technical bid. No revision in price will be allowed after opening the quotation.
<b>5</b>	Time being the essence of contract, the contractor shall pay or allow the employer the sum equivalent to 1% of the total cost of work awarded per week, subject to a limit of 10% of the order value or the final bill amount whichever is greater, as liquidated damages for the period during which the said works shall remain incomplete beyond the time of completion mentioned above or beyond the time duly extended in writing. The employer may deduct such damages from any money due to the contractor.
<b>6</b>	Payment shall be made after satisfactory installation of systems and proper functioning.
<b>7</b>	Item prices once quoted will be firm and fixed. No price escalation will be entertained even for the works executed within the extended period, if any.
<b>8</b>	In case the order is cancelled due to non-compliance of the contractual terms and conditions, the Institute reserves the right to execute the job at its own cost and the differential amount, if any, on account of the alternative arrangement will be intimated to and recovered from him.
<b>9</b>	<b>Warranty period:</b> The contractor shall give warranty for a period of minimum <b>one year</b> from the date of final handover and shall remain liable for rectification of defects, if any arises, within the said period at free of cost. Onsite support laid for a period of one year during the warranty period.
<b>10</b>	All materials procured by the contractor will be subjected to inspection and/ or tests prescribed in the specifications.
<b>11</b>	100% payment will be made against the bill submitted by the vendor on ordered price quoted by the bidders upon successful installation certificated issued by the competent authority of Bose Institute.
<b>12</b>	Incomplete tenders will be liable to cancellation
<b>13</b>	The tender/ offer shall remain valid for acceptance till 03 months from the scheduled date of its opening.





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<b>14</b>	The contractor shall remain liable for any incidental charges occurred from natural calamities, accidents etc.
<b>15</b>	<b>Water and Electricity:</b> Water and electricity as may be required for the work may be provided free of cost, subject to availability, at our source and contractor will make his own arrangement for distribution. However, no claim will be entertained for non -supply of water and electricity by the Institute.
<b>16</b>	<b>Storage Space:</b> A space for storage of materials may be provided by the Institute but the responsibility for security of the materials and machineries rests with the contractor.
<b>17</b>	<b>Indemnifying against damages:</b> Contractor shall during the course of execution, be responsible for all damages to property and for any injury or loss caused to the work or workmen, to persons or things. The contractor shall make good all such damages besides damages out of dismantling plasters/ walls/ concrete surfaces during the course of execution at their own cost/risk.
<b>18</b>	<b>Work during holidays etc.:</b> Prior approval from the competent authority has to be obtained for persons to be engaged during holidays and/ or beyond office hours, in listed form, mentioning, their names and addresses.
<b>19</b>	The contractor shall abide by the Rules and regulations of lab or wages act.
<b>20</b>	Bose Institute reserves the right to reject any or all tenders without assigning any reasons thereof.



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**INSPECTIONS AND TESTS:**

- The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes.
- Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.

**General Technical Requirements**

1	All components such as switches, patch cords, IP CCTV Cameras, Fibers, CAT-6 cables, cable managers, I/O box, Rack etc. offered shall be of the standard make and as per the specifications given in this tender document.
2	Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such equipment and/or needed for erection, completion and safe operation of the equipment's as required by applicable codes though they may not have been specifically detailed in the technical specification, unless included in the list of exclusions.
3	The methodology of cabling an installation work, to be adopted, has to ensure minimum damage to the existing finish and no loss to the aesthetic beauty of the renovated floors. Any damage to the existing flooring/ walls/paint etc. shall be made good by the Contractor. It is advised that tenderer should visit site before submitting the tender to get apprised about the site conditions.
4	The Bidder shall be responsible for providing all materials, equipment's, and services, specified or otherwise, which are required to fulfill the intent of ensuring operability, maintainability, and reliability of the complete equipment covered under this specification within his quoted price. This work shall be in compliance with all applicable standards, statutory regulations and safety requirements in force of the date of award of this contract.
5	The bidder shall also be responsible for deputing qualified personnel for installation, testing, commissioning and other services under his scope of work as per this specification. All required tools and tackles for completing the scope of work as per the specification is also the responsibility of the bidder.
6	The bidders proposal shall include the list of tools (such as; crimping tool, Krone punch tool) and accessories which shall be furnished with the equipment. These are to be clearly brought out with itemized price in the bid. However, the prices of these special tools and tackles shall be included in the lump sum bid price and would be considered for the bid evaluation.
7	The exact seating of equipment's and cable routing shall be determined by the contractor in consultation with Bose Institute. The contractor shall prepare his proposed cable routing diagram and estimate the quantities for cable.
8	The equipment's to be supplied shall operate without any deviation in quality or degradation of system performance and all the parameters detailed in these specifications shall be guaranteed over the following environmental conditions. Operating Temperature: 0o C to 45o C Humidity: 95% RH (non-condensing).
9	Outdoor Camera and equipment's should be rust and water proof along with weather proof enclosure.



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**TECHNICAL SPECIFICATIONS**

Fixed Lens Network Dome Camera		
Sl. No.	Technical Specification:	
1	Image Sensor	1/2.8" Progressive Scan CMOS
2	Min. illumination	Color: 0.005Lux (AGC On), 0 Lux with IR
3	Preferred recording Resolution	2MP (1920×1080) @ 50fps
4	Day & Night	IR Cut Filter
5	Digital Noise Reduction	3D DNR
6	WDR	120dB WDR
7	Lens	2.8mm / 4mm
8	IR range	40m IR or higher
9	Streaming Type	Should support minimum 4 streams Main : 50fps (1920 × 1080, 1280 × 720) Sub : 25fps (640×480, 640×360)
10	Video Compression	H.265, H.264, H.264+, H.265+
11	Audio Compression	G.711ulaw /G.711alaw /G.722.1 /G.726 /MP2L2/ PCM /MP3 /AAC
12	Bit Rate Control	CBR/VBR
13	Image Enhancement	BLC, HLC, 3D DNR, 120dB WDR, ROI, Auto-white balance
14	API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), SDK
15	Preferable analytics	Line crossing detection, intrusion detection, Motion detection (with False alarm reduction through human and vehicle target classification), video tampering, Object removal detection, Scene change detection, Face capture/detection
16	Alarm linkage & Notification	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email
17	Edge base Recording & Network storage	Built-in Micro SD/SDHC/SDXC slot, (256GB or better), NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
18	Audio interface	1-in / 1-out
19	Alarm I/O	1-in / 1-out



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20	Ethernet Port	1 x RJ45 10M/100M Ethernet port
21	Power Supply	DC12V, PoE (802.3at /af)
22	Operating Conditions	-30° C ~ + 60° C
23	Ingress Protection	IP67 Ingress Protection, IK10
24	Certifications	CE, FCC, UL/BIS
Camera & NVR should be from same OEM for smooth integration.		

Fixed Lens Network Bullet Camera		
Sl. No.	Technical Specification:	
1	Image Sensor	1/2.8" Progressive Scan CMOS
2	Min. illumination	Color: 0.005Lux (AGC On), 0 Lux with IR
3	Preferred recording Resolution	2MP (1920×1080) @ 50fps
4	Day & Night	IR Cut Filter
5	Digital Noise Reduction	3D DNR
6	WDR	120dB WDR
7	Lens	4mm / 6mm
8	IR range	40m IR or higher
9	Streaming Type	Should support minimum 4 streams
		Main : 50fps (1920 × 1080, 1280 × 720)
		Sub : 25fps (640×480, 640×360)
10	Video Compression	H.265, H.264, H.264+, H.265+
11	Audio Compression	G.711ulaw /G.711alaw /G.722.1 /G.726 /MP2L2/ PCM /MP3 /AAC
12	Bit Rate Control	CBR/VBR
13	Image Enhancement	BLC, HLC, 3D DNR, 120dB WDR, ROI, Auto-white balance
14	API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), SDK



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15	Preferable analytics	Line crossing detection, intrusion detection, Motion detection (with False alarm reduction through human and vehicle target classification), video tampering, Object removal detection, Scene change detection, Face capture/detection
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17	Edge base Recording & Network storage	Built-in Micro SD/SDHC/SDXC slot, (256GB or better), NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
18	Audio interface	1-in / 1-out
19	Alarm I/O	1-in / 1-out
20	Ethernet Port	1 x RJ45 10M/100M Ethernet port
21	Power Supply	DC12V, PoE (802.3at /af)
22	Operating Conditions	-30° C ~ + 60° C
23	Ingress Protection	IP67 Ingress Protection
24	Certifications	CE, FCC, UL/BIS
Camera & NVR should be from same OEM for smooth integration.		

16 Channel Network Video Recorder (NVR) with 2-HDD slot		
Sl No	Feature	Specification
1	Operating System	Embedded LINUX (Dual-OS design to ensure high reliability)
2	IP Camera Input	16 channels
3	Two-way Talk	Should Support
4	Audio output	1-ch
5	Display Interface	1-HDMI, 1-VGA output for viewing
6	Display Resolution	HDMI (4K) : 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768 VGA : 1920×1080, 1280×1024, 1280×720, 1024×768
7	Network Throughput	Incoming Bandwidth: 160Mbps Outgoing Bandwidth: 160Mbps
8	Display Split	1/4/8/9



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9	Support multiple brands	Should Support Multi-brand (Onvif) network cameras
10	Recording Video Compression	H.265+/H.265/H.264+/H.264
11	Recording Resolution	8MP, 6MP, 5MP, 3MP, 1080P, 720P, 4CIF, D1 & etc.
12	User Interface	GUI
13	Motion Detection	Should Support
14	Alarm In/ out	It should have 4-Ch In and 1-Ch Out
15	Sync Playback	1/4/9/16
16	Smart Phone	It should support remote monitoring over iPhone, iPad, Android Mobile.
17	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search, VCA Search
18	Backup Mode	USB Device/Network
19	SATA interface	2 SATA ports with support 8TB Surveillance Grade Hard disks in each port
20	Network Ethernet	1x RJ-45 ports (10/100/1000Mbps)
21	USB interface	2x USB ports (1 USB3.0 , 1 USB2.0)
22	Power Supply	AC 100V~240V / 12VDC
23	Power Consumption	<15W (without HDD)
24	Working Environment	-10°C~+55°C / 10%~90%RH
25	Certification	CE, FCC, UL/ BIS
26	Camera & NVR should be from same OEM for smooth integration.	

**POE Switch Feature & Function**

**Pipe, Casing, Cable and other materials:**

Material used should be of the ISI quality. CAT6 cable, Patch cored, HDD or Fiber optics cable, Rack should be of reputed brand such as D-Link, Digisol, Seget, Samsung, Lg etc.



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SI	OEM Criteria of CCTV
1	OEM should have Service Center in Kolkata.
2	End of Life should not be less than 5 Years Minimum
3	OEM BIS Certificate
4	MAF
5	Declaration towards End of Life
6	Declaration towards End of Support
7	Declaration towards Non-Malicious code
8	ISO 9001:2015
9	ISO 14000
10	ISO 45000
11	OEM Must Have Manufacturing Experience of Minimum 3 years
12	Escalation Matrix For Service Support: Bidder and OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
13	OEM Warranty certificates for 3 years from the Final acceptance of goods or after completion of Installation, Commissioning and testing of goods at consignee locations.
14	Dedicated /toll Free Telephone No. for Service Support: BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
17	The average annual financial turnover of the bidder quoting for the products during the last three financial years (2019-20, 2020-21, 2021-22) should not be less than 5 lakhs . Documentary evidence in the form of certified Accountant indicating the turnover details for the relevant period should be uploaded with the bid.



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18	The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years as on opening of bid, as per following criteria:
19	Upload Manufacturer authorization: Wherever Authorized Distributors are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. and BID Reference NO required to be furnished along with the bid.
20	Installation, Commissioning, Testing, Configuration, Training (if any – whichever is applicable as per scope of supply) is to be carried out by OEM/OEM Certified resource or OEM authorized Reseller free of cost.
21	Equipment offered shall have complete DATA sheets and detailed description on OEM web 6 sites.
22	CMMI Level-3 or Higher (possess a valid CMMi Institute (erstwhile SEI) recognized certificate
23	The MAC address of the IP cameras must be registered in the name of OEM supplying the cameras.
24	OEM or it's brand should be full member of ONVIF. The quoted product should be in ONVIF conformant list before the tender release date
25.	OEM should have factory registered in India in its own name since last 4 years. Any joint Venture/ distributor shall not be treated as OEM. BIS certificate should have the name of the quoted OEM.
26.	ISO 9001:2015, ISO 14001, ISO 45001 Certificate need to submit by the OEM only.





बसु बिज्ञान मन्दिर  
**BOSE INSTITUTE**

Unified Academic Campus, Block EN 80, Sector V, Salt Lake, Kolkata 700 091, West Bengal, India  
Ref : BI-K/E-TEND/15/2022-23

**Technical Requirements:**

**Enclosed OEM Specification documents for IP Camera, CCTV, Switch, CAT-6 cable, FO and Monitor.**

SL NO.	Item Description	Qty	Unit	Brand & Specification (To be filled by Tenderer)	Compatibility mention (Yes/No)
	<b>Supply Schedule: (A)</b>				
1	2 Mega Pixel Dome IP IR Camera	14	Nos		
2	2 Mega Pixel Bullet IP IR Camera	2	Nos		
3	16 CH Network Video Recorder with 2 Sata	1	Nos		
4	6 TB Surveillance HDD	2	Nos		
5	6U Rack with PDU, FAN, Tray	2	Nos		
6	24 Port Gigabit Managed POE Switch with 4 SFP	2	Nos		
7	SM SFP Transceiver Module	4	Nos		
8	Cat 6 UTP Cable 305 Mtr. Roll	3	Box		
9	RJ-45 Connector	20	Nos		
10	Cat 6 UTP Patch Cord 1 Mtr	16	Nos		
11	24 Port Cat 6 Loaded Patch Panel	2	Nos		
12	6 Core SM FO Cable armoured	320	Mtr		
13	12U LIU Loaded	2	Nos		
14	SM SC-LC FO Patch Cord 3 Mtr Duplex	4	Nos		
15	20 MM PVC Conduit with accessories (ISI Marked)	150	pcs		
16	PVC Flexible Pipe	90	Mtr		
17	4" X 4" PVC Box	16	Nos		
18	15 Mtr HDMI Cable	1	Nos		
19	22" FHD Viewing LED Monitor	1	Nos		
20	Camera Housing	1	Nos		



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Ref : BI-K/E-TEND/15/2022-23

**(Financial cover as per BOQ)**

SL NO.	Item Description	Qty	Unit
	<b>Supply Schedule: (A)</b>		
1	2 Mega Pixel Dome IP IR Camera	14	Nos
2	2 Mega Pixel Bullet IP IR Camera	2	Nos
3	16 CH Network Video Recorder with 2 Sata	1	Nos
4	6 TB Surveillance HDD	2	Nos
5	6U Rack with PDU, FAN, Tray	2	Nos
6	24 Port Gigabit Managed POE Switch with 4 SFP	2	Nos
7	SM SFP Transceiver Module	4	Nos
8	Cat 6 UTP Cable 305 Mtr. Roll	3	Box
9	RJ-45 Connector	20	Nos
10	Cat 6 UTP Patch Cord 1 Mtr	16	Nos
11	24 Port Cat 6 Loaded Patch Panel	2	Nos
12	6 Core SM FO Cable armoured	320	Mtr
13	12U LIU Loaded	2	Nos
14	SM SC-LC FO Patch Cord 3 Mtr Duplex	4	Nos
15	20 MM PVC Conduit with accessories (ISI Marked)	150	pcs
16	PVC Flexible Pipe	90	Mtr
17	4" X 4" PVC Box	16	Nos
18	15 Mtr HDMI Cable	1	Nos
19	22" FHD Viewing LED Monitor	1	Nos
20	Camera Housing	1	Nos
	<b>Work Schedule: (B)</b>		
1	Complete installation with testing and laying	1	LS



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Ref : BI-K/E-TEND/15/2022-23

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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-80  
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:



बसु बिज्ञान मन्दिर  
BOSE INSTITUTE

Unified Academic Campus, Block EN 80, Sector V, Salt Lake, Kolkata 700 091, West Bengal, India  
Ref : BI-K/E-TEND/15/2022-23

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Annexure- 2

MANUFACTURERS' AUTHORIZATION FORM

No. \_\_\_\_\_

Dated \_\_\_\_\_

The  
Registrar(Offcg)  
Bose Institute,  
Unified Academic Campus, Block EN-80  
Sector V, 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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Ref : BI-K/E-TEND/15/2022-23

**Annexure- 3**

**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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Ref : BI-K/E-TEND/15/2022-23

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**Annexure- 4**

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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**BOSE INSTITUTE**

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Ref : BI-K/E-TEND/15/2022-23

**Annexure- 5**

**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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Ref : BI-K/E-TEND/15/2022-23

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Annexure- 6

**DECLARATION OF LOCAL CONTENT**

Self-Certification form for Minimum 50% or for Minimum 20% 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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Ref : BI-K/E-TEND/15/2022-23

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**Annexure- 7**

Quotation No.....

Date :

**PROFORMA OF FALL CLAUSE CERTIFICATE  
(To be submitted on bidders letterhead)**

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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Ref : BI-K/E-TEND/15/2022-23

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**PERFORMANCE SECURITY FORM**

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

To  
Bose Institute,  
Unified Academic Campus, Block EN-80  
Sector V, Kolkata - 700091  
(W.B.) India

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.



बसु बिज्ञान मन्दिर  
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Ref : BI-K/E-TEND/15/2022-23

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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. ....



बसु विज्ञान मन्दिर  
BOSE INSTITUTE

Unified Academic Campus, Block EN 80, Sector V, Salt Lake, Kolkata 700 091, West Bengal, India  
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BID SECURITY FORM

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

To  
Bose Institute,  
Unified Academic Campus,  
Block EN 80, Sector V, Salt Lake  
Kolkata 700 091

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 Director, 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;
2. Or If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity;
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)

Witness: 1. ....  
2. ....