

**OFFICE OF THE REGISTRAR :: DIBRUGARH UNIVERSITY  
DIBRUGARH :: ASSAM  
PIN: 786 004**



**BID DOCUMENT**

**FOR**

**NAME OF THE WORK:** Supply, Installation and Commissioning of Equipment/Accessories for setting up of Smart Classroom in Dibrugarh University, Assam

**TENDER No: DU/NIT-2020/35**

# CUT-OUT SLIP

**NAME OF THE WORK:** Supply, Installation and Commissioning of Equipment/Accessories for setting up of Smart Classroom in Dibrugarh University, Assam

TENDER NO. : DU/NIT-2020/35

Date: 17.09.2020

SUBMISSION DUE DATE & TIME : 05.10.2020 up-to 01:00 P.M.

**FROM:**

NAME:  
ADDRESS

**TO:**

THE REGISTRAR  
DIBRUGARH UNIVERSITY  
DIBRUGARH, ASSAM

(To be pasted on the outer envelope containing “Technical”& “Commercial” bids)



**OFFICE OF THE REGISTRAR :: DIBRUGARH UNIVERSITY :: DIBRUGARH**  
No. DU/NIT-2020/35 **Date: 17/09/2020**

### **RE-TENDER NOTICE**

Sealed Tenders are invited from reputed manufactures/authorized dealers for Supply, Installation and Commissioning of Equipment/Accessories for setting up Smart Classroom at various Departments of Dibrugarh University, Assam. Detailed specification of the items, terms & conditions etc are given below. **Last date of submission of Tender as per annexure with all relevant papers is 05.10.2020 up-to 01:00 P.M. should reach** at Registrar's Office, Dibrugarh University, Dibrugarh, Assam or shall have to send by post to the aforementioned address.

Availability of Bid papers	From 17.09.2020
Last date for submission of Bid	05.10.2020 upto 01:00 P.M.
Time & Date of opening of Bid	05.10.2020 at 02:30 P.M.
Place of opening of Bid	Office of the Registrar, D.U.
Cost of Document	1,000/- Non refundable
Earnest Money Deposit (EMD)	Rs. 1,00,000/- (Rupees One Lakh) only

The tender should be submitted in two separate sealed envelopes *i.e.* **Part - I** (TECHNICAL BID) and **Part – II** (FINANCIAL BID). The Technical Bid shall be opened on above mentioned date and time and the Financial Bid shall be opened of only those bidders who qualify in Technical Bid on the same date or at a later date which shall be intimated to the tenderer whose Technical Bid are found to be valid. Dibrugarh University reserves all the rights to reject any or all the tenders without assigning any reason thereof.

Sd/-  
**Registrar**  
Dibrugarh University

**Copy to:**

1. Dibrugarh University Website.
2. Notice Board
3. Office File

Sd/-  
**Registrar**  
Dibrugarh University

## **Part A - Terms and Conditions**

## **Part B - Specifications**

### **PART A - TERMS AND CONDITIONS**

#### **GENERAL INFORMATION**

The tender bids duly complete in all respects, along with the necessary documents should be submitted to the Registrar, Dibrugarh University, Assam. The Technical Bids so received, shall be opened on **05.10.2020 at 02:30 P.M.** in the Office of the Registrar, Dibrugarh University in the presence of the representatives of the bidders. The Financial Bids of the Tenderers shall be opened on the same date or at a later date to be intimated to the Tenderers whose Technical Bids are found to be valid. Right to reject any or all Tenders, without assigning any reason thereof is reserved by Dibrugarh University.

#### **Terms and Conditions of Supply:**

1. All the manufacturers/ authorized dealers should also give a brief profile about their company and the facilities available with them of the quoted items. Their turnover and important firms/ Government Institutes/ P.S.U.s etc. to which they are supplying quoted items, should also be mentioned.
2. The last date and time for the submission of the bids is **05.10.2020 up-to 01:00 P.M.**
3. Suppliers shall submit the following documents along with their quotations:
  - i) VAT/TIN/GST Registration No.
  - ii) Technical specifications offered by the Supplier.
  - iii) Technical compliance table
  - iv) Technical literature regarding the offered products including pictures/sketch/diagrams etc.
4. The rates should be mentioned in the **FINANCIAL BID** attached with the Tender Document as **ANNEXURE-II**. Interested bidder(s) are requested to submit quote separately for Options A/B/C as mentioned in **ANNEXURE-I**. The total quantity of equipment for which NIT is invited is 17 nos. However, the quantity of requisition of equipment/accessories may increase or decrease at the time of placing purchase order. Each page of the tender shall be signed in full and stamped with the seal by the supplier. The supplier must clearly state in what capacity he/she is signing the Tender.
5. The supplier shall submit the tender in 02 (two) envelopes. The first envelope (Technical Bid) shall contain all the following documents and be sealed.
  - Filled in Format Technical Specifications/Literature **ANNEXURE-I & ANNEXURE-III**
  - Valid copy of Trade License,
  - PAN Card,
  - Registration certificate of GST,
  - Dealership/Manufacturing/Small Scale Industry (SSI) Certificate (if any)
  - Credentiality Certificate
  - Profile of organization/firms with a focus on equivalent type of previous assignment
  - Copy of last two years audited statement
  - The cost of tender of Rs. 1000/- (Rupees One thousand) only which is non-refundable, along with the Earnest Money of Rs. 1,00,000/- (Rupees One Lakh) only in the form of Demand Draft/Bankers Cheque in favour of the Registrar, Dibrugarh University, Assam payable at Dibrugarh University.

The second envelope (Financial Bid) shall provide the name of the equipment/accessories, quantity, specifications, brand, rate per unit, GST & Total Price. The second envelope shall also, likewise, be sealed. Both the envelopes then should be put together, and should be sealed in an envelope on which the cut out slip provided as part of the tender document should be pasted with prescribed time and date. The Technical Bid shall be opened first to ensure that suppliers have submitted all the requisite documents. If the Technical Bids are not in order or are deficient in some respect, the Financial Bids in respect of such tenders shall not be opened. The date and time of opening the Financial Bids shall be announced on the same date or at a later date which shall be intimated to the tenderer whose Technical Bid are found to be valid.

6. Supplier should read carefully all the instructions and terms and conditions, *etc.* before quoting rates in the prescribed **ANNEXURE** of the tender document. Taxes and duties *etc.* should be shown separately.

7. The Technical Documents shall be opened, on **05.10.2020** or on the next working day if the offices of the University remain closed due to any reason.

8. Technical specifications of the equipment/accessories are given in **ANNEXURE-I with options 'A'/'B'/'C'** to these papers.

9. The delivery and installation should be completed within 01 (one) month or as specified while placing of the order. No extension shall be granted to the vendors for the period of delivery, under any circumstances.

10. If the supplier fails to deliver the article as per the delivery schedule, the University shall be free to procure the balance/undelivered supply, at the risk and cost of the supplier, from other such suppliers.

11. The goods, articles, materials supplied by the supplier shall be accepted after inspection by an Officer authorized by the competent authority. No articles/materials which do not conform to the specifications laid down in the Terms and Conditions or damaged in transit shall be accepted.

12. The bills of the suppliers shall be paid by the University after all the equipment/accessories have been received, inspected, installed and commissioning as above.

13. Vendor must submit Compliance statement in tabular form comparing each specification of the quoted item with that given in the Tender Document **Part - B**.

14. The warranty period shall be for minimum 01 (one) year or may be more as mentioned in the Tender Document.

15. This tender document is not transferable.

16. In the event of any breach of the Terms and Conditions of the supply, the University may terminate the contract placed with the supplier and forfeit the Security Deposit of the supplier.

17. Whether OEM or Authorized Distributor/ Dealer a letter or a valid certificate of authorization of manufacturer shall be enclosed.

18. Copy of product literature and catalogue, testing report, Bureau of Energy Efficiency (BEE) rating, ISO certificate etc.

19. The quantity as mentioned at Part-B (Specifications) may be increased or decreased at the time of placing order as per requirement.

20. Tenderers are advised to study all Technical and Commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the Tender

Document or submission of a bid not substantially responsive to the Tender document in every respect will be at the tenderer's risk and may result in the rejection of the bid.

22. No advance payment or payment against Proforma invoice will be made. Payment will be made after receipt of materials in good condition.

**Qualification of Bidder:**

1. The bidder should be a manufacture of nationally / internationally reputed brand or its authorized dealer / distributor. Either the bidder or the manufacturer shall have experience in dealing with the similar kind of supply and installation at Central Govt./ State Govt. / Institute of National importance / Educational & Research Institutes. A copy of the purchase orders received from any of these institutes during the last three years along with satisfactory completion certificate from the user (s) having minimum –
  - a. Single order of 80% value of the estimated tender value to be submitted along with the technical bid or
  - b. Two single orders of 40% value of the estimated tender
2. All the quotations must be supported by technical leaflet/ literature and the specifications mentioned in the quotation must be reflected / supported by such technical leaflet / literature.
3. Dealers or agents quoting on behalf of manufacturer must submit valid authorization certificate.
4. Manufacture should be ISO certified, and shall have to submit quality certificates like ISO-9001: 2015, ISO -14001: 2015, ISO 45001:2018.
5. Turnover minimum Rs. 1 Crore in last three years.
6. The university may call for sample of item quoted / ordered and describe the quoted specification. University shall approve the items as per sample to be supplied by the successful bidder(s).

**Scope of the Work:**

The bidder is required to undertake the following scope of work for setting up of smart classroom in Dibrugarh University:

1. The bidder should ensure proper installation of the infrastructure of smart classroom in Dibrugarh University and maintaining the proper functioning of all the equipment/accessories. Tender Committee will certify the successful installation with the certification of concerned Head of the Department.
2. Supply, Installation, Commissioning and Maintenance of infrastructure/equipment/accessories as per the Technical Specification mentioned in the document.
3. Provide training on use of supplied equipment/accessories, operations of all the hardware installed in the University to all the Teachers and also provide subsequent refreshers training as and when required.
4. All equipment/accessories of the smart classroom shall be delivered and installed at location/site of Dibrugarh University.
5. The bidder shall bear all the cost for the supply, installation and maintenance to the respective locations. Cost towards the training of the faculty members shall be borne by the bidder.
6. The bidder shall provide spares and necessary support to Dibrugarh University, on technical issues for all hardware equipment/accessories this includes full guarantee as well as warranty for 03 (three) years and also quote the rate of comprehensive maintenance will all spares for succeeding two years.
7. The bidder must have the full license rights of the software nationally as well as internationally of all software/operating systems developed and/or supplied to the university through this tender.

8. Bidders may note that bids are to be submitted as per the instructions laid out of this tender document. The selection of successful bidder would be in two steps:

- Technical Bid
- Financial Bid

**Evaluation of Quotation:**

A Tender Committee constituted for the said purpose will evaluate and compare quotations determined to be substantially responsive *i.e.* are properly signed and confirm to terms, conditions, specifications and qualifications conditions.

**Award of Contract:**

The contract is to be awarded on the basis of Lowest Evaluated Price for which the bidder must quote the rate per item. The purchaser will award the contract to the bidder whose quotations has been determined to be substantially responsive with a strong good will, and who has offered the lowest evaluated quoted price.

The bidder whose bid is accepted will be notified regarding the award of contract by the purchaser. The terms of the accepted offer shall be incorporated in the supply purchase order. The validity may be extended by the purchaser in exceptional cases.

**Payment Terms:**

Payment shall be made up the supply, installation and commissioning of the equipment/accessories and submission of bids which will be subject to satisfactory supply and installation of accessories (*certified by the Tender Committee constituted for the purpose*). No payment will be made for any damaged of goods supply.

**Note:**

(a) Tenderers are advised to read carefully the Terms and Conditions of supply before recording the rates **ANNEXURE-II**.

(b) No erasures or overwriting shall be allowed, unless they are authenticated under the full signature and the seal of the tenderer.

(c) The University reserves the right to:

- i. Accept/reject any/all tenders without assigning any reason thereof.
- ii. Revise the quantities at the time of placing the order without change in the rate quoted by the bidder.
- iii. Add/modify/relax or waive any of the conditions stipulated in the tender document whenever deemed necessary
- iv. Award the contract to one or more tenderers for the items covered by the tender.

**Sd/-**  
**Registrar**  
Dibrugarh University  
Dibrugarh

**PART-B**  
**OPTION- 'A'**

**1. Technical Specifications for Interactive Whiteboard**

Sl. No.	Parameter	Specifications
<b>A</b>	<b>Interactive Whiteboard</b>	
1	<b>Active Size</b>	Minimum 82” diagonal (preferable)
2	<b>Technology</b>	Infrared
3	<b>Board Surface</b>	Scratch resistant, Anti-glare, Maintenance-free, Compatible with ink marker.
4	<b>Aspect Ratio</b>	4:3 or 16:9
5	<b>Touch and gestures</b>	Perform mouse functions with your finger, and write and erase digital ink with a pen tray pen or the eraser. The Object Awareness feature enables you to pick up a pen, and then write, select or erase without replacing the pen. This interactive whiteboard also features gesture capability, providing a natural and flexible way to interact with content.
6	<b>Multitouch capabilities</b>	Support for up to two users to interact with the interactive whiteboard simultaneously. Users can interact with the interactive whiteboard using the included pens or other objects, or by using their fingers to write and perform gestures.
7	<b>Pen and eraser</b>	Two ergonomic pens with a comfort grip.
8	<b>Computer Interface</b>	USB
9	<b>Power Source</b>	USB
10	<b>Annotation Software</b>	Annotation Software will include features like draw, pen, annotate, erase, color, shapes, text, move, rotate, capture picture/video, etc. OS compatibility: Windows 7 and later/Linux
11	<b>Wall Mount</b>	Required
<b>B</b>	<b>System Details</b>	
1	<b>Processor</b>	Intel Core i5 8 <sup>th</sup> Gen or later.
2	<b>Industrial Grade Chasis</b>	Tower Type
3	<b>Chipset</b>	Suitable chipset for the processor.
4	<b>Memory</b>	4 GB or higher
5	<b>HDD/Storage</b>	1TB
6	<b>Expansion I/O</b>	6 USB, LAN 10/100/1000
7	<b>Audio</b>	1 x Line-out/1 Line-in
8	<b>Operating System</b>	Windows 10 pre loaded



9	<b>In-Built Wi-Fi / Wireless LAN Card</b>	Should have a inbuilt Wi-Fi / Wireless LAN Card
10	<b>Display Ports</b>	VGA & HDMI
11	<b>Warranty</b>	3 Years Onsite Warranty
<b>C.</b>	<b>Short Throw Projector</b>	
1	<b>Type</b>	Short Throw/ Mirror System
2	<b>Technology</b>	DLP/LED
3	<b>Resolution</b>	1,280 x 800 pixels (WXGA)
4	<b>Brightness</b>	3000 Lumens
5	<b>Contrast</b>	18000:1
6	<b>Projection Size</b>	50 - 100 Inch
7	<b>Focus</b>	Manual
8	<b>Interfaces</b>	2 x RGB port (RGB 15-pin mini D-sub (VGA))
		2 x HDMI type A (480 p – 1,080 p)
		1 x RCA (composite)
		1 x S-Video
		1 x RCA (R/L)
		3.5 mm Audio IN
		3.5 mm Audio OUT
9	<b>Video Compatibility</b>	PAL-N/-M, PAL60, SECAM, NTSC, Composite-Video, YcbCr, YPbPr
10	<b>Accessories</b>	Wall Mount Arm Kit, Motorized Screen 82 Inch Diagonally.
11	<b>Service life</b>	20,0000 hrs
12	<b>Warranty</b>	3 Years Onsite Warranty

**A. Public Address System**

1. Audio Amplifier with 4 x 6mm Audio Input, 4 x XLR input + Phantom Power, 1 6mm Audio Out.
2. 2 x 40W wall mount speakers connected to the Amplifier via 16 gauge Noise free audio cable.
3. 1 x Wireless Lapel Microphone + 1 x Wireless Handheld Mic with RF receiver.
4. Power Input: 220V AC + 12V DC

**B. Others**

1. Provisions for Audio/Video Recording of Classroom Sessions.
2. Installation, Integration, Testing and Commissioning of all components as a digital classroom.
3. Training: 1-day Demo and Training at each installation site.

## OPTION-‘B’

### 2. Technical Specification of Digital Podium with Built-in Equipment:

#### a) Specifications for Podium

SL No.	Parameters	Technical Specification
1	<b>Type/Mounting</b>	Free Standing
2	<b>Construction</b>	The podium shall be wheel mounted capable of moving in all directions with a facility of lock them while the Electronic podium is in use. The enclosure shall be made of Polymer Powder Coated Steel Body with wooden top panels, designed to work in suitable environmental conditions. The wooden top shall have lock and key and should have a sliding cover for opening/closing easily. The Podium should have housing and connectivity for Visual Presenter while the visualizer is in use and not in use. At the time of using the Visualizer, drawer can be opened and Visualizer can be used. The construction of the podium should be such that, while the podium is locked and not is use, there should not be any port exposed/ visible on the outer body for breakage/mishandling.
3	<b>Display</b>	Built-in highly sensitive Interactive Panel with adjustable tilt (power driven motorized system) & a mechanism to make the Panel stable so that it does not shake while writing with following minimum features -
(a)	<b>Screen Type</b>	LED
(b)	<b>Size</b>	54.61 cm (21.5 inches)
(c)	<b>Resolution</b>	1920 x 1080 or higher
(d)	<b>Aspect ratio</b>	16:9/16:10
(e)	<b>Computer interface</b>	One USB, One VGA/DVI/HDMI Port
(f)	<b>Interactive Resolution</b>	4000 Lpi (lines per inch)
(g)	<b>Response Time</b>	5ms
(h)	<b>Viewing Angles</b>	170(H) ; 160(V)
(i)	<b>Touch</b>	Finger and Stylus
(j)	<b>Reading accuracy</b>	±0.5 mm (center)
(k)	<b>Tracking speed</b>	Approximately 200 points per second
(l)	<b>Pen Pressure sensitivity</b>	2048 Levels
(m)	<b>Speakers</b>	Display panel should have Inbuilt Speaker
(n)	<b>Annotation software</b>	Annotation software shall include features like draw,choose, pens, annotate, erase, color, shapes, sizes, text, edit, fonts, stamp, move, capture picture, video, save, rotate, undo, image gallery, print, floating keyboard and background etc.
4	<b>System Details</b>	
(a)	<b>Processor</b>	Intel Core i5 8 <sup>th</sup> Gen or later.

(b)	<b>Industrial Grade Chasis</b>	Small form factor chasis in mini form factor for operation in suitable temperature environments.
(c)	<b>Chipset</b>	Suitable chipset for the processor.
(d)	<b>Memory</b>	4 GB or higher
(e)	<b>HDD/Storage</b>	1TB
(f)	<b>Expansion I/O</b>	2 USB, LAN 10/100
(g)	<b>Audio</b>	1 x Line-out/1 Line-in
(h)	<b>Operating System</b>	Windows 10 pre loaded
(i)	<b>In-Built Wi-Fi / Wireless LAN Card</b>	Should have a inbuilt Wi-Fi / Wireless LAN Card
(j)	<b>Dipslay Ports</b>	VGA & HDMI
5	<b>Console Panel Ports accessible from outer body of Podium.</b>	
(a)	<b>RGB Input</b>	1 x HDMI & VGA Input (other than the input of the PC in the podium to facilitate extra PC / Laptop etc.)
(b)	<b>USB Input</b>	USB Port on the panel to facilitate inputs directly from Pen Drives / USB based hard disk Drive etc.
(c)	<b>LAN Connection</b>	RJ 45 LAN Port at the panel to connect network
(d)	<b>Display</b>	Selection switches to toggle between various sources for the output on the projection screen through a touch panel.
6	<b>Built in devices</b>	
(a)	<b>Gooseneck Microphone</b>	Gooseneck Microphone with XLR output. It should be Phantom powered so that there is no requirement of batteries thereby eliminating consumable cost. The gooseneck length should be atleast 21.5cm with ON/OFF switch and with LED light indicating ON/OFF status. The gooseneck microphone shall be permanently polarized condensor, highly directional featuring hypercardioid /lobar directivity.
(b)	<b>Wireless Microphone Units</b>	The podium shall have a Reciver with a range of 15 mtr & shall come with 1 Handheld Mic, One Collar mic and one Head set microphone.
(c)	<b>Built in Amplifier Power</b>	200Watts RMS Amplifier (Preferable)
(d)	<b>Speakers</b>	Four speakers of Minimum 50 W each shall preferably be a part of standard supply.
(e)	<b>Central Controller with Panel</b>	The podium shall have a controller with minimum 2 VGA inputs, 2 Audio Inputs, 2 Video inputs and required outputs to exploit all the functionality of the podium and a built in Video Scalar feature.
7	<b>Sliding Trays</b>	Provision for keeping laptop and Keyboard & Mouse
8	<b>Locking Mechanism</b>	All the locks (3/4) fitted in the powder coated steel body should have a single key. Different podiums key should not be interoperable.
9	<b>Power Supply</b>	100 -240V, 50Hz, AC Supply
10	<b>Security</b>	Integrated authentication System having RFID, Password protection & Physical Key for secure access to system.
11	<b>Fans</b>	Suitable cooling fans to be provided in the lower body.
12	<b>Warranty</b>	3 years onsite comprehensive warranty

**b) Specification of Document Visualizer:**

SL No.	Parameters	Technical Specification
1	Total Pixels	Min. 5 Mega Pixel
2	Zoom	Minimum 12x Optical Zoom, 15x Digital Zoom
3	Frame Rate	Min. 30 FPS
4	Shooting Area	Minimum A4 Size
5	Focus	Auto/Manual
6	Resolution	It should have 950 TV Lines or more. It should have native resolution of 1920 x 1080 Full HD
7	Signal Support	It should support the following resolutions 1024×768; 1280×1024;upto 1920x1080
8	White Balance	It should have option of Auto/ Manual White Balance.
9	Multimedia Function	It should have the following Functions: Color/Black-White, Mirror, Rotate, Brightness Control, Freeze, PIP, PBP, Preview.
10	Input ports	It should have Atleast 1VGA-IN, 1 HDMI-IN, Audio-IN
11	RS-232 Input	It should have RS-232 Port for Control.
12	Output ports	It should have 1VGA-OUT, 1 HDMI-OUT, Audio-OUT
13	Other Ports/Connectivity	It should have USB Port ×1, Direct Mouse Connectivity Port, SD Card Slot, Direct Microphone Input.
14	Remote Control	Required
15	Warranty	3 years onsite warranty

**c) Specifications for Short Throw Projector**

Sl No.	Parameter	Specifications
1	Type	Short Throw/ Mirror System
2	Technology	DLP/LED
3	Resolution	1,280 x 800 pixels (WXGA)
4	Brightness	3000 Lumens
5	Contrast	18000:1
6	Projection Size	50 - 100 Inch
7	Focus	Manual
8	Interfaces	2 x RGB port (RGB 15-pin mini D-sub (VGA))
		2 x HDMI type A (480 p – 1,080 p)
		1 x RCA (composite)
		1 x S-Video
		1 x RCA (R/L)
		3.5 mm Audio IN 3.5 mm Audio OUT
9	Video Compatibility	PAL-N/-M, PAL60, SECAM, NTSC, Composite-Video, YcbCr, YPbPr
10	Accessories	Wall Mount Arm Kit, Motorized Screen 82 Inch Diagonally.
11	Service life	20,000 hrs
12	Warranty	3 Years Onsite Warranty

### **C. Public Address System**

1. Audio Amplifier with 4 x 6mm Audio Input, 4 x XLR input + Phantom Power, 1 6mm Audio Out.
2. 2 x 40W wall mount speakers connected to the Amplifier via 16 gauge Noise free audio cable.
3. 1 x Wireless Lapel Microphone + 1 x Wireless Handheld Mic with RF receiver.
4. Power Input: 220V AC + 12V DC

### **D. Others**

1. Provisions for Audio/Video Recording of Classroom Sessions.
2. Installation, Integration, Testing and Commissioning of all components as a digital classroom.
3. Training: 1-day Demo and Training at each installation site.

## OPTION-‘C’

### 3. Interactive Display

	<b>Features</b>	<b>Specifications</b>
1	Display Size	86 inches or above
2	Native Resolution	3840 x 2160 (UHD)
3	Brightness	400cd/m2 or above
4	Contrast Ratio	1100:1.
5	Dynamic CR	500,000:1 or better
6	Viewing Angle(H x V)	178 x 178
7	Response Time	8ms or less
8	Protection Glass	4T(Anti- Glare)
9	Inbuilt Touch Type	Inglass/P cap
10	Multipoint touch	20 point minimum
11	Accuracy	2mm + 0.2 mm
	<b>Connectivity</b>	
	<b>Input</b>	
12	Digital	HDMI- 3,RGB-1,DP-1,DVI-D-1
13	Audio In	Required
14	External Control	RJ45-1
15	USB ports	(3.0)-1 & (2.0)-1
16	SD Card(SDHC/Full Size)	1 or more
17	Built in Speakers	10W X2
	<b>Output</b>	
18	USB ports	Touch USP (2.0)-1
19	External Control	Rs-232
	<b>SPECIAL FEATURES</b>	
20	Wi-FI connectivity	802.11n Combo built in
21	Built in OS of Display	Windows 10 (Preferred)/OS Specific to the Interactive Display with Whiteboard features.
22	PIP / PBP feature inbuilt	Required
23	Memory	8 GB built in
24	Reader Mode	Required
25	Smart Energy Saving feature	Required
26	Wake on LAN	Required
27	Media share	Mirroring/Miracast/Chromecast/Airplay to connect Tab/Mobile
28	Internet Connectivity	Required

29	White Board Mode in built	Annotations, Drawing, Writing, Color selection, Multi pen, Save option etc
	<b>Environment Conditions</b>	
30	Operation Temperature	0 °C to 40 °C or lower
31	Operation Humidity	10 % to 80 % or better
	<b>STANDARD(CERTIFICATION)</b>	
32	Safety	UL, CB, BIS
33	EMC	FCC Class "A"
34	OEM Warranty	3 Years Onsite Warranty

**A. Public Address System**

1. Audio Amplifier with 4 x 6mm Audio Input, 4 x XLR input + Phantom Power, 1 6mm Audio Out.
2. 2 x 40W wall mount speakers connected to the Amplifier via 16 gauge Noise free audio cable.
3. 1 x Wireless Lapel Microphone + 1 x Wireless Handheld Mic with RF receiver.
4. Power Input: 220V AC + 12V DC

**B. Others**

1. Provisions for Audio/Video Recording of Classroom Sessions.
2. Installation, Integration, Testing and Commissioning of all components as a digital classroom.
3. Training: 1-day Demo and Training at each installation site.

Signature : .....

Date.....

Name : .....

Address : .....

.....

.....

Mobile No.....

Ref:

Dated.....

**ANNEXURE-II**

**FORMAT FOR FINANCIAL BID**

Name of the vendor.....

Sl. No.	Name of the equipment/ accessories	Qty.	Specifications	Brand	Rate per unit (INR)	GST	Total Price
1.							
2.							
3.							
4.							
5.							
	Total (INR)						
	GST (INR)						
	Grand Total						

1. We the undersigned agree to supply, install and commission the above mentioned equipment/accessories in accordance with the technical specifications for a total contract price of Rs.....( in words Rs.....) including taxes, transportation etc. within 01 (one) month from the date of issue of the purchase order.
2. We also confirm that the normal guarantee/warranty shall apply to the supplied equipment/accessories.
3. We also agree and above with the terms and conditions stipulated in the bid document.

**NOTE:-** Separate sheet may be used for technical specifications

Date:-

Place:-

Signature of bidder/vendor with seal

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone no.:-



**ANNEXURE-III**

NIT for Supply, Installation & Commissioning of equipment/accessories for setting up of Smart Classroom  
against Tender No.DU/.....dated.....

**CHECK LIST OF DOCUMENTS ENCLOSED**

<b>Sl. No.</b>	<b>CHECKLIST</b>	<b>COMPLIANCE</b>
1.	Earnest money deposited (Please mention DD no.)	
2.	Tender Fee deposited (please mention DD No.)	
3.	Quoted by Manufacturer/Authorized dealer	
4.	Whether the firm has been blacklisted by any Govt./ Deptt./Institution	
5.	Annual Turnover during last 2 years – minimum Rs. 1 crore	
6.	Valid authorization letter from the OEM with reference to the specific Dibrugarh University tender	
7.	All essential spares and the possible system upgradability with suitable software options quoted separately	
8.	Two bid system, Technical and Financial bids for each item in separate and sealed covers	
9.	Tender validity for 6 (six) months) from the date of opening of the tender	
10.	Undertaking that the Tenderer will provide after sale service, service & operation Manual (Hard & Soft Copy) extension boards and spare parts for the equipment in India for a minimum period of 5 (five) years.	
11.	Whether PAN/GST/Trade License submitted	
12.	Whether Credentiaity Certificate submitted	
13.	Detailed technical literature, specifications, relevant documents/quotations	
14.	Submit list of similar supplies or projects undertaken	
15.	Warranty/Guarantee of equipment/accessories is provided by the bidder	

Date:

Place:

SEAL AND SIGNATURE OF  
PROPRIETOR/MANAGER/ REPRESENTATIVE OF  
THE FIRM ON BEHALF OF THE FIRM