

OFFICE OF THE DEAN  
FACULTY OF VETERINARY SCIENCE::ASSAM AGRICULTURAL UNIVERSITY  
KHANAPARA, GUWAHATI-22

NIQ Ref.: AAU/CVSc/Quotation//2019-20/

Date :

NOTICE INVITING TENDER

Sealed quotations are invited from reputed manufacturer/authorized dealer/suppliers for supply and complete installation of various items of smart class room solution to the Faculty of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati-781 022. The quotations will be received at the office of the undersigned up to 15 days from the date of publication of the advertisement. If last day falls on closing day then next working day will be considered for submission of quotation.

Details of the items along with the terms & conditions may be collected from the office of the undersigned during office hours from the next day of publication of this advertisement on payment of Rs. 300.00 in the form of Demand Draft drawn in favour of the **Dean, Faculty of Veterinary Science, AAU, Khanapara, Guwahati-22**. The list of equipments can also be down loaded from web site [www.vetbifg.ac.in](http://www.vetbifg.ac.in). In case of downloaded document, the fee of Rs. 300.00 only should be deposited in the form of Demand Draft in favour of the **Dean, Faculty of Veterinary Science, AAU, Khanapara, Guwahati-22**.

(B.N. Saikia)  
Dean,

F.V.Sc., AAU, Khanapara.

Memo No. AAU/CVSc/Quotation/2019-20/ 11,117-123

Dtd. 9/1/2020

Copy forwarded for information and necessary action to :-

1. The Registrar, AAU, Jorhat-13.
2. The Comptroller, Assam Agricultural University, Jorhat -13.
3. Coordinator, ARIS Cell, CVSc, AAU, Khanapara with a request to upload the detail advertisement in web site [www.vetbifg.ac.in](http://www.vetbifg.ac.in).
4. The Advertising Manager, Times of India, G.S. Road, Ananda Nagar, Bhangagarh Guwahati-5. with a request to publish the above advertisement in minimum size and space in one issue of your esteemed daily urgently and submit the bills in triplicate along with the paper cut for payment.
5. The Director General of Commercial Intelligence & Statistics, 1, Council House Street, Kolkata-700001. He is requested to publish the above quotation notice one time and submit the bills in triplicate to the undersigned for payment.
6. Notice Board, Dean's Office, FVSc, AAU, Khanapara.
7. Office copy.

(B.N. Saikia)  
Dean,

F.V.Sc., AAU, Khanapara.

## TENDER PAPER FOR SUPPLY AND COMPLETE INTEGRATION OF CLASS ROOM SOLUTION

### GENERAL TERMS AND CONDITIONS:

1. Any item offered/quoted should conform to the technical specifications desired by the purchaser. Quotations for items beyond the scope of the technical specification asked for shall not be entertained.
2. Company/ firm should have at least 10 years experience in this line in india.
3. The firm should have to enclosed MAF if it is a dealer/ party for the concern products.
4. OEM/ National distributor/ importer should have registered office in Assam with GST No.
5. At least 3 Nos. similar smart class room work should be done in Assam's institutions.
6. The compliance statement (technical specification desired and offered) along with separate sheet of Terms & Conditions should invariably accompany the quotation both as 'hard copy' and 'soft copy' typed in MS word in A4 size paper in landscape orientation (Font size 12, Times New Roman) in the prescribed format (Annexure-I), without which the quotation shall not be considered.
7. In case the tender document is downloaded from the website, the bidder shall have to deposit Rs. 300.00 in the form of Bank Draft drawn in favour of Dean, Faculty of Veterinary Science, AAU, Khanapara, Guwahati-22.

### INSTRUCTION TO BIDDERS

1. All Quotations should mention in the cover of the Envelope distinctly the name of the Item, Item Sl. No., NIQ Ref. No., Bidder's Name & Address, Contact No. etc. as shown below:-

**QUOTATION FOR SUPPLY OF .....(Item name & Sl. No.) FOR THE FVSc., AAU, KHANAPARA, GUWAHATI**

**NIQ REF NO. (NIQ Ref. No.....), DATED....., (LAST DATE FOR SUBMISSION).**


To,  
The Dean,  
Faculty of Veterinary Science  
Assam Agricultural University  
Khanapara, Guwahati- 781022  
Assam, India

From: M/s \_\_\_\_\_  
Contact No.: \_\_\_\_\_  
Email ID: \_\_\_\_\_

2. Standard Technical literature preferably printed & supplied by manufacturer concern on each of the items offered.
3. Dealership certificate on the offered products in case of dealer.
4. List of reputed organizations/Institutions, where similar orders have been executed (**copies of the purchase/work orders will have to be enclosed**).
5. Up-to-date GST Registration certificate including TIN of the firm will have to accompany the quotation to be submitted.
6. In case the offered price is inclusive of all taxes, **the tax components in details should be shown separately.**
7. **Earnest money should be shown in details in the forwarding letter.**
8. Details of nature and maximum period of **warranty** offered by the Bidder/Vendor.



9. After Sales Service: The name & address of the nearest available authorized service centre to CVSc., AAU, Guwahati, should be stated in the quotation.
10. NOTE: The bid documents are not transferable and the firm's seal and signature of the authorized official must appear on all the papers and envelopes submitted.
11. **At the time of delivery/Installation the supplier should stick a Sticker in a suitable side of the instrument/Machine indicating the following:-**
  - The name of the company/supplier:-
  - Date of Delivery:-
  - Department/Office:-
  - Date of Installation:-
  - Expiry date of warranty period as per tender:-
  - Date of start for AMC:-
  - Contact No.:



(B.N. Saikia)

Dean,  
FVSc., AAU, Khanapara,  
Guwahati-22

*7/11/2020*

#### TERMS & CONDITIONS:

(Please note the term 'both foreign & indigenous' wherever mentioned, means the term is applicable to both foreign & indigenous purchase)

01. Rates: Rates quoted for indigenous items must be on FOR Faculty of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati- 781022, on DOOR DELIVERY Basis, with break-up as per details below (For import items please refer 'Additional Terms for imported goods' below).

Break-up of cost:

- (a) Basic Price
- (b) (+) GST
- (c) Sub-Total Price
- (d) (+) Freight & Insurance Charge, if any
- (e) (+) Installation & Commissioning Charge, if any
- (f) Grand Total F.O.R. CVSc., AAU, Guwahati, Price

Note: Vague terms like "packing, forwarding, transportation etc. extra" without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected. Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.

02. Validity (Both foreign & indigenous): Quoted rates must be valid for minimum 120 days.

03. Earnest Money (Both foreign & indigenous):

All firms are required to submit Earnest Money along with the Quotation. The EMD of unsuccessful bidders shall be returned after award of contract. All tenders received without EMD shall be summarily rejected.

Refundable earnest money deposit, amounting to minimum 2.5% of the total quoted value (rounded off to the nearest thousand rupees) through Demand Draft drawn **in favour of the Dean, Faculty of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati- 781022, Assam, India** payable at Guwahati, will have to accompany all quotations to be submitted. Quotations submitted without appropriate amount of earnest money are likely to be rejected.

Earnest money deposit will not bear any interest, and have to be in the form of demand draft only.

04. PENALTY FOR DELAYED DELIVERY (for both foreign & indigenous): In case of supply order for the SCIENTIFIC EQUIPMENTS/ APPARATUS, the date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning i.e. after the expiry of

the period as agreed by both the parties, the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 10% (ten percent) as detailed below:

- @1% up to one week;
- @2.5% up to two weeks;
- @5% up to three weeks;
- @10% for four weeks and above

For the purpose of this clause, part of the week is considered as a full week. In case of delayed delivery, the Chairman, Purchase committee, CVSc., AAU, Khanapara, Guwahati reserves the right not to accept the subject consignment.

05. IN CASE OF INDIGENOUS SUPPLIES, the goods should be insured against theft, loss or breakage during transit and insurance charges should not exceed 1% of the cost of material supplied, the rates of Sales Tax, Excise Duty etc. (as applicable) should be clearly indicated.
06. PRE-INSTALLATION REQUISITES (Both foreign & indigenous): Pre-installation requisites (electrical/floor/space/air-conditioning etc.), if any should invariably be mentioned clearly. Installation/ Training will be the full responsibility of the supplier/ Indian Agent.
07. GENUINE PRICING (Both foreign & indigenous): Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold, particularly to other SAU/ IIT/ICAR Institutes and other Government Organization. Copy of the latest price list for the quoted item, applicable in India, must be enclosed with your offer.
08. EXCISE DUTY: The Institute is exempted from payment of Customs vide Govt. Notification No. 51/96-Customs, dated 23.07.1996 and /Central Excise Duty exemption in term of Govt. Notification No. 10/97-Central Excise dtd. 01.03.1997 with Regn.No. TU/V/RG-CDE (500)/2012, dated 14.09.2012.
09. Entry Tax: As per GST – [To be paid by CVSc, Khanapara, Guwahati, not by the vendor], wherever applicable, will be added while evaluating cost status of the concerned equipment to be supplied by vendors from outside the State of Assam.
10. DELIVERY:
  - (a) Delivery of goods at CVSc, Khanapara, Guwahati, will have to be maximum within 45(Forty-five) days from the date of issue of the Purchase Order.
  - (b) SAFE DELIVERY OF GOODS: All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the cartons will be opened only in the presence of CVSc, Khanapara, Guwahati user/representative and vendor's representative and the intact position of the seal for not being tampered with, shall form the basis for certifying the receipt in good condition.
  - (c) NO PART DELIVERY: Part shipment will not be allowed.
11. Mode of Payment for Indigenous Purchase (For import items please refer 'Additional Terms for imported goods'):
  - (1) Payment for Indigenous Purchases will be maximum within 45 days from the date of successful delivery and installation of goods at FVSc., AAU, Khanapara Guwahati, generally through A/c payee cheque. In case payment is to be made by DD, the Draft commission will be deducted from the bill amount.

Note: Please note as per Institute's norm advance payment is not allowed for any purchase.
12. The offers (Both foreign & indigenous) submitted by telex/ telegram/ fax/ E-mail etc. shall not be considered. No correspondence will be entertained on this matter.



13. Late and delayed tender (Both foreign & indigenous): Late and delayed tender will not be considered. In case any unscheduled holiday occurs on prescribed closing the next working day shall be the prescribed date of closing.
14. Conditional tenders not acceptable (Both foreign & indigenous): Conditional tenders shall not be accepted on any ground and shall be rejected straightway. In other word, printed conditions mentioned in the tender bids submitted by vendors will not be binding on CVSc, AAU, Khanapara. All the terms and conditions for the supply, payment terms, penalty etc. will be as those mentioned herein and no change in the terms and conditions by the vendors will be acceptable.
15. Specifications are basic essence of the product (Both foreign & indigenous): It must be ensured that the offers are strictly as per our specifications. At the same time it must also be kept in mind that merely copying our specifications in their quotation shall not make firms eligible for consideration. A quotation has to be supported with the printed technical leaflet/literature (wherever applicable) and the specifications mentioned in the quotation must be reflected/supported by such printed technical leaflet/literature model quoted/tendered specifications should invariably be highlighted in the leaflet/literature for easy reference.
16. Enquiry during the course of evaluation not allowed (Both foreign & indigenous): No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Committee/its authorized representative and office of CVSc., AAU, Khanapara, GUWAHATI can make any enquiry/seek clarification from the bidders. In such a situation, the agency shall extend full co-operation. The bidders can also be asked to arrange demo of the offered items, in a short period notice, as such the bidders have to be ready for the same.
17. The acceptance of the quotation (Both foreign & indigenous) will rest solely with the Dean, FVSc., AAU, Khanapara, Guwahati, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.
18. Force Majeure (Both foreign & indigenous): If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows: (I) any law, statute or ordinance, order action or regulations of the Government of India. (II) Any kind of natural disaster and (III) Strikes acts of the Public enemy, war, insurrections, riots, lockouts, sabotage.
19. Termination for default (Both foreign & indigenous): Default is said to have occurred:-
  - If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by FVSc., AAU, Khanapara, Guwahati
  - If the supplier fails to perform any other obligation(s) under the contract. If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from FVSc., AAU, Khanapara, Guwahati (or takes longer period in spite of what FVSc., AAU, Khanapara, Guwahati may authorize in writing), FVSc., AAU, Khanapara, Guwahati, may terminate the contract/ purchase order in whole or in part and forfeit the EMD as applicable. In addition to above, FVSc., AAU, Khanapara, Guwahati, may at its discretion also take the following actions:

FVSc., AAU, Khanapara, Guwahati, may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate FVSc., AAU, Khanapara, Guwahati, for any extra expenditure involved towards goods and services obtained.



20. Applicable Law (Both foreign & indigenous):

- (a) The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Guwahati, India only.
- (b) Any dispute arising out of this purchase shall be referred to the Dean FVSc., AAU, Khanapara, Guwahati, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Dean, FVSc., AAU, Khanapara, Guwahati,. The decision of such Arbitrator shall be final and binding on both the parties.

21. ADDITIONAL TERMS FOR IMPORTED GOODS

Following terms besides the fore mentioned terms will be applicable in case of foreign purchases:

All Items including for imported items, the code should be strictly F.O.R., Khanapara, Guwahati Campus of the University. Logistic expenditures towards Customs Duty, Clearing Charges, Transportation cost etc. should be included in the rate and shown separately.

► In case of Irrevocable Letter of Credit the following points should maintain strictly:-

- i) MAWB No. & HAWB No. & Forwarder's Name (To Whom Release order should be issued by the negotiating bank) should immediately informed by the Principal through Fax to the Buyer 10 (ten) days before dispatch of the equipment.
  - ii) Bank Charges outside India, if required, will have to be borne by the Manufacturer/ Principal.
22. Rates: Quoted rates should be in CIF/CIP Kolkata terms and charges to be stated in the following break-ups:
- (a) Ex-works value
  - (b) + Documentation & Handling Charge, if any
  - (c) + Estimated Overseas Freight to be paid at actual against authentic documents and monetary receipt
  - (d) + Estimated Overseas Insurance Charge to be paid at actual against authentic documents and monetary receipt (In case the firm holds open insurance policy, the Insurance Certificate relating to the consignment will have to be provided).
  - (e) Total CIP/CIF Kolkata value.
23. After Sales Service: In case of imported items, foreign manufacturing firms should indicate facilities available for after sales service, detail address and contact number of their local representative in India without which their offers are liable to be ignored.
24. Delivery:
- (a) Delivery of goods at FVSc., AAU, Khanapara, Guwahati, will have to be maximum within 95(ninety-five) days from the date of issue of the Purchase Order.
  - (b) Delivery at Kolkata Airport only: As we do not have clearing agent in any other Airport/Seaport, delivery is to be made only at Kolkata.
  - (c) While transshipment will be allowed, part shipment will not be allowed.

25. Payment:

- (a). Above \$10,000.00: By an irrevocable letter of Credit at CIF/CIP Kolkata value negotiable through any overseas branch of State Bank of India/ with unrestricted provision.
- (b) Below \$10,000.00 by FDD as given below:
  - (i) 100% Payment Basis: On request by the supplier/s 100% payment by FDD will be made. In this case on receipt of your Order Acknowledgement an FDD will be established for total ordered value, thereupon, a Xerox copy of the FDD will be sent to you which will enable you to send the materials. On satisfactory receipt and acceptance of the materials or satisfactory installation and commission of the equipment the Original FDD will be sent to you.

Note: Please note FDD/LC will not be opened unless and until Letter of Acknowledgement in original is received at FVSc., AAU, Khanapara, Guwahati, directly from the principal (Even in case of firms having subsidiary office in India). The Indian agents are therefore advised to submit quotation after consultation with their respective principals).

26. Customs Duty: The Institute is generally exempted from payment of Customs Duty vide GOI Notification No.51/96-Customs, dated 23.07.96, with Regn. No. TU/V/RG-CDE (500)/2012, dated 14.09.2012. [CUSTOMS DUTY EXEMPTION CERTIFICATE WILL BE MADE AVAILABLE BY THE INSTITUTE IN REGARD TO QUOTES IN FOREIGN CURRENCY ONLY [ NOT AGAINST QUOTES MADE BY A FIRM IN INDIAN CURRENCY, UNLESS THE CONCERNED FIRM IS A FOREIGN HOLDING COMPANY WITH 'FDI' CERTIFICATE ISSUED BY THE MINISTRY OF FINANCE, GOVT. OF INDIA ].
27. Agency Commission: The percentage of ex-works value to be paid to Indian agent in equivalent to Indian currency as agency commission as applicable will have to be clearly stated in the quotation wherever applicable.
28. Country of Origin: While Country of Origin Certificate will not be insisted, the same however will have to be stated in the Original Invoice for payment through LoC.
29. LC Amendment: LC/FDD amendment charges due to mistake on the part of the supplier, if any, will have to be borne by the supplier.



(B.N. Saikia)

Dean,

Faculty of Vety. Science  
AAU, Khanapara, Guwahati-22

  
7/1/2020


Annexure I

Sl. No.	Sl. No. in NIT	Name of the Item	Desired Specifications of NIT	Offered Specifications	Quoted Unit Price	AGST/CGST etc.	Extra charges, if any, for delivery at destination	Total amount	Other terms and conditions

  
(B.N. Saikia)

Dean,

FVSC, AAU, Khanapara

  
7/1/2020



LIST OF ITEMS TO BE PURCHASED FOR SMART CLASS ROOM,  
FACULTY OF VETERINARY SCIENCE, A.A.U., KHANAPARA, GUWAHATI-22

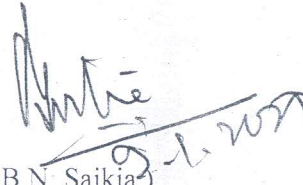
Sl. No.	Name of the item	Specification
1.	TOUCH LED INTERACTIVE PANEL INBUILT PC MODULE	<b>20 POINTS (IR TOUCH),POWERFUL ANDROID SYSTEM,DETACHABLE PC MODULE</b> Screen Type : D-LED Size : 86''/75'' Resolution : 3840(H)*2160(V) <b>4K UHD</b> <b>Brightness : 330cd/m2/350 cd/m2</b> <b>Contrast : 1200:1</b> Touch Response Time : <20ms Number of Color : 1.07B (10 bit) View Angle : 178° Display Area : 1895.04(H)*1065.96(V)mm/1649.664(H)*927.936(V)mm VESA : 600x 400, wall mount included 20 Points (IR Touch) Interactive Software : included Sound : 2 x12W/10 W X 2 Toughened Glass with Level 7 Mohs Standard <b><u>PC MODULE</u></b> CPU            Intel Core i5 RAM           4GB DDR3 Optional-Up to 16 GB HDD            500 GB Optional-up to 1T GRAPHICS    Default –Integrated Intel Graphics Optional- Independent Graphics GT745M SOUND CARD-Integrated High Definition Audio OS              WIN 10 PRO NETWORK CARD-Integrated 10/100/1000m adaption WIFI –IEEE 802.11a/g/n (2.4G/5G) BLUETOOTH- Bluetooth4.0

		USB2.0/3.0 - 6(including 2 USB port in front)2 LAN PORT(RJ45)- 1 VGA OUT- 1 Earphone Output- 1 Microphone Input- 1 Mini Display port - 1 HDMI Output- 1 ANDROID 5.1/Android 7.0 : ARM Cortex A53 Dual Core, 2GB RAM, 16GB ROM Should be able to write on a Blank screen and on any application – PPT, Word, Excel, PDT, Web Browser, Video etc. Should have floating tools which should appear just by press of 2 fingers for writing / annotation, Should support USB based PTZ cameras allowing Software based Video Conferencing <b>SUPPLIED ACCESSORIES</b> : AC Power Cable x 1 (3 meters), VGA Cable x 1 (5 meters), USB Cable x 1 (5 meters), Audio Cable x 1 (5 meters), Writing Pen x 2, Remote Control x 1, Application and Driver Disk x 2, Quick Start Guide x 1, Operation Instructions x 1 (electronic edition in driver disk) Wireless Keyborad , Mouse
2.	Interactive multimedia Digital Podium with all accessories	Wide Multimedia Rostrum Should be All-in-One equipped with Dual Monitor, Screen Writing Software, Integrated Network Controller, Gooseneck Microphone, Visualiser and Central Processing Unit. Upper Board - Injected ABS, Lower Part – Steel. Shelf for Keyboard and Place of Mouse on the Upper Board. Built-in USB Ports ready to be used by a Laptop. AV Terminal Box with USB Ports,should have all necessary A-V accessories for sound , should have goose neck microphone,21.5 ‘’ interactive touch monitor, Console Panel Port with RGB X 1, USB, RJ45, Power, Input selection. Speakers of 30 W for classroom, computer inside with I3 processor, 4GB,1TB ,inbuilt document camera with inbuilt interactive software.  Podium combines the functionality of a desk with all the benefits of a digital podium. Should have 3 sections to arrange as per convenient that make up the podium. The lecturing console should height adjustable for presenters who either want to stand or sit while giving a lesson lowering the podium provides ample space for working comfortably in a desk format, either on the computer or off to the side,22' Dual Touch Monitor,Rms System should Available Optionally.Compatiable With All Operating Systems, Multimedia, Equipment And Teaching Materials with Interactive Software Included.  Should have integrated amplifier ,power upto 200W




		Should a Composition of :22"LCD Monitor: Resolution: 1920 x 1080 ( Full HD), Luminance:250cd/m <sup>2</sup> , Contrast Ratio:1000:1, Lamp Life Time:20000hrs, Technology: Electromagnetic Resonance & Capacitive Touch, Detectable Height: 3~10mm, Pressure Resolution: 1024 Level. Adjusting Monitor Angle system . Multimedia controller with Max resolution of VGA: 2048 X 1536, Pixel frequency : 440MHz, composite inputs: video x2, composite outputs: video x1, Digital Amplifier: Output Power (Max): 80W 4Ω ( 140W + 140W) Stereo, Microphone Inputs: 8~20mV (3 Input), PC/Laptop Inputs: 70mV (2 Input), Frequency Response: 25Hz ~ 20KHz, should consist of wireless and goose neck microphone, 7" LCD Controller of resolution: 800x480, interface: RS232, Touch Type: Resistive, Operate System: Win CE5.0, Power: 5V, 1A, There should be laptop interface module, Power distribution , RFID and RMS module.
3.	Video Conferencing system	Camera of 12x optical zoom - 72.5° wide field of view - 340° pan, 90° tilt - 2D & 3D Noise Reduction for clear and sharp imagery . RS-232 local VISCA support - Desktop app for USB control - FECC support for far-end control over USB - IR remote & up to 255 presets. Mount using standard 1/4" tripod screw - Image flip using IR Remote and PC application, should have 3D Noise Reduction Max pan rotation ±340° Max pan control speed 0~120°/sec Max tilt rotation (-30°~ +90°) Max tilt control speed 80°/sec. Illumination Minimum: 0.01 Lux ,Exposure control Auto, Manual, Bright, Ceiling Microphone set (2 Ceiling Mics and Processor Only) for Virtual Classroom. LAN Cable & Audio Cable, with Wireless Headband Rechargeable Microphone and all other accessories .
4.	Audio-Video Transmitter	Transmitter and Receiver should Supports all HDMI devices. Can be Added hundreds of devices in all platforms such as Windows, Mac, Linux, iOS and Android. Should not be require any additional driver or software for installation. Should be Rechargeable.
5.	Document Camera	Camera should be USB Flex Arm , meant for classroom use with only one USB cable to connect to P.C , configuration and set up are simple. Compact and portable in design , 1/4" CMOS color image sensor, output resolution of the camera : 5M (2592 x 1944), 8X digital zoom, Frame rate should be 30 fps (max.), focus : Auto / Manual. A3 should be shooting area, image rotation should be Electronic rotation 0° / 90° / 180° / 270° (via software).
6.	Audio Podium	All In One designed Audio Podium with inbuilt amplifier of 60W and speaker inbuilt array of 30W. Should be equipped with Flexible gooseneck microphone and light

		Should Equipped with 3 built-in woofers and one tweeter ,should have at least two external mike inputs.Power consumption of 100W, AC power source: 220V~240V/50~50Hz, Signal Noise ratio: Above 45dB, Tone control: Bass 20dB / Treble 20dB
7.	Amplifier Speaker system	<p>It should be ECO Digital Amplifier Speaker System . passive and active pair with power output :30Wx2. It has to be an energy efficient class D digital amplication circuit, it consume as low as 5.8 watts of power in a typical usage, which make this the most ECO-friendly amplication solution .Should be RS-232 controllable, Speaker unit: Tweeter: 1", Woofer:: 5 1/4" PP cone, Sensitivity: 88 dB, Treble adjust: <math>\pm 10</math> dB, Bass adjust: <math>\pm 10</math> dB, Power supply: AC 220 ~ 240V 50/60 Hz, Weight: Active Speaker - 2.9 kg Passive Speaker - 1.8 kg</p> <p>Should contain a Wireless Headband Rechargeable Microphone</p>

  
(B.N. Saikia)  
Dean

Faculty of Vety. Science, A.A.U  
Khanapara, Guwahati-122

  
7/1/2020