



Cost of the tender Document :
Rs. 500/-
(Rupees Five Hundred only)

CENTRAL UNIVERSITY OF KASHMIR

Transit Campus: Sonwar, Near GB Pant Hospital, Srinagar ó 190 004 (J&K)

Phone: 0194-2468354, 2468357, Website www.cukashmir.ac.in

Tender No.: CUKmr/Pur/F.No.451/15/74

Dated: 08.06.2015

1. Name of the Firm/Supplier/Vendor:.....

.....

2. Address with telephone No.

.....

3. Earnest Money Deposit (EMD)

(to be deposited along with the tender document)

- a) Bank Draft No. í í í í í ..í .
- b) Date í í í í í í í í í .í í í
- c) for Rs. í í í í í í í í í .í í í .
- d) Drawn on í í í í í í í í í ..

4. Cost of Tender Document:

(to be deposited in case of downloaded tender document)

- a) Bank Draft No. í í í í í ..í .
- b) Date í í í í í í í í í í
- c) for Rs. í í í í í í í í í ..
- d) Drawn on í í í í í í í í í

CENTRAL UNIVERSITY OF KASHMIR

TENDER NOTICE No. 06 of 2015 SUPPLY AND INSTALLATION OF EQUIPMENT FOR SETTING UP OF SMART CLASS

**LAST DATE & TIME FOR SUBMISSION
OF TENDER**

**02/07/2015
by 03:00 p.m**

DATE, TIME & VENUE FOR OPENING OF BIDS:

03/07/2015 at 2p.m.

COMMITTEE ROOM, CENTRAL UNIVERSITY OF KASHMIR, SONWAR, SRINAGAR
6 190 004 (J&K)

TERMS AND CONDITIONS

Sealed tenders under two bid system are invited from reputed manufactures or their authorized suppliers having proper after sale service set up at Srinagar (J&K) for Supply and Installation of Equipment for Setting up of Smart Class, as per specification given in the financial bid. The Tender Document can be had from the Transit Campus of the University on payment of Rs 500/ or can be downloaded from the University website: www.cukashmir.ac.in. The downloaded form should be accompanied by a Demand Draft of Rs 500/ as cost of Tender Document.

Part 1 (Technical Bid) of the bid comprises of bidders profile in the prescribed format, EMD, application fee with regard to the eligibility of the bidder as set out in this NIT. Part 2 comprises of Financial Bid in the prescribed format. Both parts should be submitted in separate envelopes and submitted in a single covering envelope superscripted "Supply and Installation of Equipment for Setting up of Smart Class" on or before 02.07.2015 (03:00 pm). The bids will be opened on 03.07.2015 at 02:00 pm at the Transit Campus Sonwar. Bidders or their authorized representatives who wish to attend tender opening, may do so.

SALE OF TENDER FORM

1. The interested bidders may obtain the tender form from the University office at Transit Campus, Sonwar, Near GB Pant Hospital, Srinagar, J&K on all working days, during the office working hours, against the payment of non-refundable amount of Rs. 500/- through D.D from any nationalized bank drawn in favour of Central University of Kashmir payable at Srinagar (J&K). The tender document can also be downloaded from the University Website: www.cukashmir.ac.in. In that case the cost of tender form (Rs. 500) is to be attached with the Technical Bid in the form of a D.D along with the downloaded form. This D.D towards the cost of tender form should be submitted separately and not merged with the EMD.

EMD

1. The Technical Bid should be accompanied by Earnest Money Deposit (EMD) of Rs. 1,00,000/- in shape of Demand Draft from any nationalized bank favoring Central University of Kashmir payable at Srinagar (**CDRs will not be accepted**). The offers without EMD shall be summarily rejected.
2. The EMD of the unsuccessful bidders will be returned after the selection of the successful bidder and placement of purchase order. The EMD in favour of the successful bidder shall be released on submission of Performance Security to the extent of 10% of Purchase order value.
3. The EMD may be forfeited:
 - (a) If a Bidder withdraws its bid during the period of bid validity;

- (b) If at any stage it is proven that the information given by the bidder is incorrect;
- (c) In case of a successful Bidder, if the Bidder fails:
 - (i) To execute a contract
 - (ii) To furnish Performance Security
 - (iii) To execute the supply/installation within the stipulated time.

ELIGIBLE BIDDERS

1. The Bidder should have a minimum annual turnover of **Rs 75 Lakhs** from Sales & Maintenance during the past two consecutive financial years. The bidder should submit 02 years audited balance sheet in support of the said turnover.
2. The bidder must have supplied and installed the required items of similar or higher specifications as mentioned in this NIT, having a minimum order value of **Rs 25 Lakhs** including Audio Visual Solutions. A performance certificate from the consignee indicating the satisfactory working of the item must be enclosed with the technical bid along-with a copy of the Purchase Order.
3. In case of service requirement, the downtime will be 48 hours. An undertaking to this effect must be enclosed with the technical bid.
4. Bidders must be either Original Equipment Manufacturer (OEM) or authorized dealer of the OEM. Assemblers/Traders are not eligible to participate in the tender. The authorization letter from the manufacturer should be attached with the tender in case of the authorized dealers except for HD WiFi Streamer, High End Tab and Projector, which are easily available in the market.
5. The bid must include latest Tax/VAT Clearance Certificate, if applicable.
6. ISO certification is mandatory for all bidders.

(Note: Failure to meet above requirements shall disqualify the bidder from participation in bidding. Claim of bidder on account of above must be substantiated by suitable documentary evidence).

SUBMISSION OF BIDS

1. The bids should be addressed to the REGISTRAR, Central University of Kashmir, Administrative Campus, Near G.B.Pant Hospital, Sonwar, Srinagar ó 190 004 (J&K) and delivered by hand or by post before the date and time as specified above. Furthermore, both the technical and the financial bids are required to be submitted in separate envelopes. PLEASE NOTE THAT THE UNIVERSITY SHALL NOT BE RESPONSIBLE FOR ANY POSTAL LOSSES/DELAYS. BIDS SENT BY POST AND RECEIVED AFTER **3.00 p.m. on 02/07/2015** SHALL BE SUMMARILY REJECTED AND IN CASE OF ANY DISPUTE IN THE TIMING OF RECEIPT, THE DECISION OF THE UNIVERSITY SHALL BE FINAL.
2. The Bidders are expected to go through all instructions, terms & condition as specified in the bidding documents. Failure to furnish complete required information or submission of a bid with incomplete information may result in rejection of the bid.
3. The University may, for any reason, whether suo-moto or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment at any time prior to the last date for submission of bids.
4. Quotations received after due date, improperly sealed, or with incomplete marking or with overwriting/corrections are liable to be rejected.
5. The bid will be opened on 03/07/2015 at 02:00 pm in presence of bidders or their authorized representatives, who wish to be present. The representative should bring the authorization letter from the bidder for attending the tender opening.

6. In the event of the date fixed for receipt and opening of the bid being declared as a closed holiday for University office, the relevant dates may be treated as the next working day. The time and venue shall, however, remain unchanged.
7. The bidder should confirm that there are no hidden costs. Any items found necessary to make the equipment functional will be provided by the bidder without extra cost.
8. The successful Tenderer shall have to deposit (10%) of total payable amount as Security Deposit in the form of DD in favour of Central University of Kashmir for the warranty period of two years. The performance security shall be returned to the supplier 60 days after the date of such warranty period. In case of unsatisfactory service provided by the bidder, the Performance Security shall be forfeited.
9. **Late Bids:** Any bid received by the University after the last date for submission of bids prescribed by the University, will be rejected/returned unopened to the Bidder.
10. No bid will be allowed to be modified subsequent to the last date for submission of bids.
11. No bid will be allowed to be withdrawn during the period from the last date of the receipt of bid and the date of validity of the bid as specified by the Bidder on the bid form. Withdrawal during this period may result in the forfeiture of his bid security.
12. Bids that are not opened and read out at bid opening shall not be considered further for evaluation, under any circumstances.
13. During evaluation of bids, the University may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.
14. **Period of Validity of Bids:** Bids shall remain valid for a minimum period of 90 days after the date of bid opening prescribed by the University. A bid valid for a shorter period shall be rejected by the University as non-responsive.

EVALUATION OF BIDS (Two Bid System)

1. The bids shall be evaluated in two stages. **Stage-1**, Technical bid (Part-I) shall be opened and only those bidders shall qualify for stage 2 of bidding, whose technical bid meets the eligibility criteria mentioned in the foregoing clauses and the specifications given in this NIT. Financial Bid of only those bidders shall be opened whose Technical Bid is accepted by the University. The Committee constituted for evaluations of the bids reserves the right to reject the bid of the bidder on the basis of justifiable reasons.
2. **Stage-2**, Financial Bids (Part-2) of the qualified bidders shall be opened and on the basis of the comparative statement, the contract shall be awarded.
3. The evaluation of a financial bid will be based on the delivery cost at the site including all the taxes, levies, insurance, forwarding, installation, transportation and assembling charges etc. The quoted rates should be final and any extra amount over and above the quoted rates will not be entertained.
4. Any effort by a Bidder to influence the University, in its decisions on bid evaluation, bid comparison or award of contract may result in rejection of bid.
5. Failure of the successful bidder to comply with the requirements of the University shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security, in which event the University may make the award to the next lowest evaluated bidder or call for new bids.

General Terms & Conditions

1. Prices shall be quoted in Indian Rupees (INR) only.

2. The amount is required to be quoted both in figures and in words, in case of a discrepancy, the amount quoted in words will be taken as final.
3. The supply, transportation, installation etc, of the items will be sole responsibility and the risk of the firm till the acceptance by the University.
4. The Supply and Installation of the Equipment shall be made at any of the Campuses of the University. The exact location shall be, however, given in the Purchase Order.
5. Detailed specifications, catalogue/ literature of the item quoted shall be attached with the technical bids. Incomplete bids in any respect are liable to be rejected.
6. The supply of equipment and other accessories should be made strictly in accordance with the specifications given in the Financial Bid. The warranty period takes effect from the date of satisfactory installation. The Tenderer shall be liable to make good the loss (free of cost) by replacing/repairing the equipment or other accessories found defective during the warranty period of two years.
7. The successful bidder shall be required to enter into an agreement with the University by submitting an instrument of Agreement on a non-Judicial stamp paper of Rs 100/- denomination. Necessary clauses mentioned in the NIT shall be incorporated in the Agreement.
8. **Payment terms:** All the payment will be made in Indian rupees. Payment (100%) shall be made by the University after successful supply and installation of the equipment and furnishing of performance security equal to 10% of total payable amount in the shape of D.D favoring Central University of Kashmir. The performance security shall be returned to the supplier 60 days after the date of completion of all contractual obligations of the supplier including the warranty obligations of **two years**. However, in case of unsatisfactory service during the warranty period, the Performance Security will be forfeited. The decision of the University to declare the service unsatisfactory shall be final.
9. The amount payable against supplies shall be subject to the applicable Taxes like TDS etc.
10. Submission of bid under this NIT shall mean that the bidder has accepted all the terms and conditions laid down in the tender document.
11. The University may make changes within general scope of the Contract in any one or more of the following:
 - (a) The method of shipping or packing;
 - (b) The place of delivery; and/or
 - (c) The Services to be provided by the Supplier
12. The supply and installation of the equipment has to be made within a **period of 30 days from the date of the issue of Purchase Order** by the University. In case of failure to do so, the University may impose the penalty as decided by the University Committee.
13. All the supplies made under this tender notice will be inspected by a Committee specially constituted for the purpose and in case the Committee is of the opinion that the supplies are not of the required specifications, the supplies shall be rejected and responsibility of lifting back the supplies will devolve on the supplier. Besides, in such event, the EMD shall stand forfeited and the extra cost incurred in arranging the supply from the

- alternative sources shall also be recovered from the defaulting supplier apart from initiating the proceedings for blacklisting.
14. Item offered in the tender can be re-ordered at the same rate, under same terms & conditions within a period of twelve months from the date of issuance of the first Purchase Order.
 15. All the items supplied through this tender shall be covered by a **warranty of two years**. During the period of warranty, no charges will be paid by the University on any kind of service or repairs carried out by the supplier.
 16. The University reserves the right to reject or accept any tender without assigning any reason or cancel or withdraw the tender notice.
 17. Once the bidder submits the tender, it would be presumed that the bidder has understood and accepted all the terms and conditions given in NIT. No inquiry, verbal or written, shall be entertained in respect of acceptance/rejection of the tender.
 18. The University reserves the right to relax any condition enumerated or arising out of this Tender notice, without assigning any reason/s thereof.
 19. The University reserves the right to place the order for increased/decreased number of items or to out-rightly cancel the tender without assigning any reason/s thereof.
 20. If the supply and installation of the required items are not affected before the specified period, the University shall have the authority to cancel the order or to take any such action which will be deemed fit in the circumstances.
 21. In case of any dispute, the same shall be resolved initially by mutual discussion between the parties with in a period of 60 days failing which appropriate courts at Srinagar will have the jurisdiction to adjudicate upon the matter.

Sd/-
REGISTRAR
Central University of Kashmir

No: CUKmr/Pur/F.No.451/15/74
Date: 08.06.2015

TECHNICAL SPECIFICATIONS:

S.No.	Item Name	Specifications
1.	Projector	Shot throw Projector with Throw ratio of 0.58, 3100 Lumens, XGA, 3000:1 Contrast, 3.6 Kgs, Lan, 10W Spkrs/ 2 USB Type A/ HDMI/ 2 Comp IN/ 1 Comp OUT/ Multi Projectors (12 PJ)/ 50 Comp Control Moderator.
2.	Digital Podium	Wooden Podium with post forming on the edges (19" AHA Interactive Panel, Manual controller with 2 USB ports, Power point, VGA x 1, VGA Switcher for switching between 3 devices, Self Lockable wheels, with MIC XLR Connector on podium to connect Gooseneck MIC), Podium should have an in-built 9U Rack for housing Amplifier, PC, DVD Player, Mixer etc. AHA Interactive Panel 19' Specs: LCD Resolution ó 1366 * 768, View Area- 409.8(H) x 230.4(V) mm ó 19 inch, Luminance White - 300 cd/m ² , Contrast Ratio- 1000:1 (typ.), Viewing Angle - 160• (H/V), Lamp Life Time - 20,000 Hrs (min), Tablet Technology-

		<p>Electromagnetic Resonance, tablet Detectable Height - 3~10mm, Tablet Position Report Rate- 138pps, Tablet Pressure Resolution - 1024 Level. Tablet should have writing capability on screen.</p> <p>1 No of Mixer Specs: 8 channel Audio Mixer with frame size 8+2, two configurable Auxillary buses, XLR and ¼ Inch metal jack connector, RCA, phone, stereo playback inputs and recording outputs, 3 band EQ, 2 band EQ on stereo inputs & Headphone out.</p> <p>1 No of Amplifier Specification: Dual Channel Power Amplifier, 525 watts * 2 @ 4 ohm, 300 watts*2 @ 8 ohm.</p> <p>4 No's of Speaker Specification: 6.5 Inch 2 way Low Impedence Loud Speaker, woofer size 6.5 Inch, Tweeter Size 1 Inch, Impedence ó 8 Ohm, Frequency response- 60 Hz to 20 KHz, SPL1W/1m 90 dB, max SPL1m 110 dB, loud speaker system 2 way. Low impedance dynamic power 200 watts.</p> <p>1 No of Gooseneck Microphone: Frequency Response 50 Hz-50 Khz, Impedence < 100 ohms, Equivalent Noise level 26 db, maximum SPL 130 db, current consumption 3mA.</p> <p>2 No's of Wireless Handheld Microphone: Total no of preset-12, THD < 1 %, SNR Ratio > 103 db, Audio Output Level (Balanced) XLR+14dBu max, Audio output level (Unbalanced) jack+8dBu max, diversity reception-true diversity, Microphone frequency response-80 Hz to 16KHz, Dynamic Microphone having cardioid pick up pattern, SPL 149dB.</p> <p>1 No of Wireless Lapel Microphone: Total no of preset-12, THD < 1 %, SNR Ratio > 103dB, Audio Output Level (Balanced) XLR+14dBu max, Audio output level (Unbalanced) jack+8dBu max, diversity reception-true diversity, Microphone frequency response- 100 Hz to 16KHz, Permanent Polarized Microphone having Omni Directional pick up pattern, SPL 142dB.</p>
3.	Visualizer-View	<p>3.2 megapixel camera on flexible gooseneck arm; 2 LED light sources on independent, flexible gooseneck arms; microscope adapter; 3 m (10 ft) USB cable with Type-B male on the camera end and Type-A male on the computer end; and OEM hardware license.</p> <p>Minimum Software Requirements: OEM Interactive Software on Windows, Mac or Linux.</p> <p>Output Resolution: High-definition 1920x1080.</p> <p>Sensor Pixels: 3.2 megapixel.</p> <p>Input/Output: USB 2.0 High Speed only.</p> <p>Connection: Single USB cable.</p> <p>Zoom: 8x mechanical zoom, 16x digital zoom.</p> <p>Lighting: Two independently adjustable LED lights.</p> <p>Shooting Area: 420mm x 315 mm when height is 360 mm (16.5 in. x 12.4in.).</p> <p>Driver Interface: UVC.</p> <p>User Input: 4 Buttons: View, Auto-Tune, Rotate, and Freeze.</p> <p>Image Rotation: 90-degree increments (CW/CCW).</p> <p>Microscope Adapter: Provided.</p> <p>Operating Temperature: 5°C to 35°C (41°F to 95°F).</p> <p>Storage Temperature: -20°C to 55°C (-4°F to 131°F).</p> <p>Focus: Automatic.</p> <p>Color Balance: Automatic.</p> <p>Video and Images: Save to its Gallery.</p> <p>Content Alignment: Straightedge incorporated on base.</p> <p>Camera Adjustment: Flexible gooseneck for camera.</p> <p>Certification & Compliance: Safety & EMC: FCC (U.S.), IC</p>

		(Canada), CE (Europe), EAC (Russia), VCCI (Japan), C-tick (Australia/New Zealand), Environmental: RoHS, WEEE.
4.	Interactive Bar	<p>A Bar that can Transform Normal White board into Interactive board. Interactive system transforms any dry erase board into a fully interactive whiteboard. Infrared and ultrasound sensor technology fits neatly into a small, unobtrusive bar that attaches easily to a board. Combine it with a projector and computer, and it becomes a fully interactive system. Interactive bar with embedded wireless interface, rechargeable stylus, Hub wireless receiver, USB micro-B cable (5 m/16 ft), magnetic mounting bracket, 5V 500 A USB power supply, 1 DVD containing Windows (OEM Software) in 26 languages. with included Software for integration with Windows and Mac or Linux OS.</p> <p>Data Transfer Rate USB Full-speed USB (12 Mbps).</p> <p>Power Consumption: 5V- 100mA DC via micro-USB</p> <p>Interactive Bar Dimensions Preferred: 375.4 mm H x 68 mm W x 38 mm D (14.8 in. H x 2.7 in. W x 1.5 in. D).</p> <p>Whiteboard Active Area(per device): Interactive mode with projector supports 1.5 m x 2.4 m (5 ft x 8 ft), up to 2.5 m (8.3 ft) standard aspect-ratio diagonal projection display, and 2.9 m (9.4 ft) diagonal in wide-screen mode.</p> <p>Stylus: Ergonomically elegant stylus for interactive use. Ultrasound at 40 kHz (frequency) + Infrared at 940 nm (wavelength).</p> <p>Wireless Data Transfer Rate: 250 Kbps.</p> <p>Temperature: Operating:16°C to 38°C (60°F to 100°F). (Higher than 80°F/27°C will cause slight inaccuracy for ink capture). Storage: -20°C to 35°C (-4°F to 95°F.) (1 year set by battery) -- -20°C to 45°C (-4°F to 113°F). (1 month set by battery) -30°C to 60°C (-22°F to 140°F). (Absolute Maximum</p> <p>Resolution & Tracking Speed: Signal tracking frequency 87 times per second. Signal tracking speed 2.7 m (9 ft) per second. 4,800 x 9,600 line effective resolution on 1.2 m x 2.4 m (4 ft x 8 ft) board.</p> <p>Certification & Compliance Wireless: FCC, IC, CE, C-Tick, COFETEL, SCRF, SRMC, TELEC, RRL, TRA, ANRT, ANATEL, WPC, DGPT, CTI,MIC, SIRIM, MOC, CNC, SUBTEL, CRT, SUTEL, BURTEL, CONATEL, SIGET, SIT, PUC, TELCOR, ERSP, OSIPTEL, TATT, URSEC, UrkSEPRO, ICASA, NTRA, CITC, NCC.</p> <p>Safety: UL/ CSA/EN/IEC 60950-1 (CE & TUV NRTL) C-Tick, NOM, KCC, GOST, ANATEL, SII, UrkSEPRO, NCRS, VoC, CQC. EMC:FCC, IC, CE, C-Tick, GOST, KCC, ANATEL, SII. Environmental: RoHS, WEEE, REACH compliant.</p>
5.	Vote Assessment	<p>Vote assessment system makes student assessment fast, flexible, and easy. Create tests with custom or standardized content, and get results in real time, whenever you like. Lead tests yourself, or let students pace themselves 32 Vote tool rechargeable handheld devices, packed in a durable metal storage case, with foam-padded compartments, removable docking and charging station, Interactive Software (1 DVD), 1 Hub wireless receiver, 1 power supply and cable.</p> <p>Minimum Software Requirements: OEM Interactive Software on Windows, Mac or Linux</p> <p>Range: 9 m (30 ft)</p> <p>Response Time Discrimination: As low as 1 millisecond</p> <p>Controls & Indicators: 8 response buttons and, 2</p>

		<p>forward/backward buttons, 1 Help button.</p> <p>Max Number of Devices per System: 32</p> <p>Batteries: 1 rechargeable Lithium-Ion battery per handheld device.</p> <p>Battery Life: Fully rechargeable; typically 3 years.</p> <p>Communication: Wireless with the Interactive Teach (Hub), which inserts into computer USB port.</p> <p>Radio Frequency (RF): 2.4 GHz.</p> <p>Power Consumption: 5 V 3.0 Amps via EIAJ-2 (1.7mm ID, 4mm OD).</p> <p>Operating Temperatures: 0°C to 50°C (32°F to 122°F). Limited by LCD display.</p> <p>Storage Temperatures: -10°C to 60°C (14°F to 140°F). Limited by LCD display. Operating Humidity: 15% to 75% non-condensing. Storage Humidity: 0% to 90% non-condensing.</p> <p>Question/Answer Types: Multiple Choice A-E), Yes/No, True/False, Chime In, Question.</p> <p>Question Data Import: ExamView importer (Blackboard 6.0 67.0 format).</p> <p>Question Preparation: Software allows for question preparation with correct answers. Questions can be timed.</p> <p>Response Monitoring: Results can appear instantly, or be viewed at a later time. Users can be allowed to modify their response.</p> <p>Response Modes: Operates in teacher-managed or student-managed modes.</p> <p>Gradebook: Create a class; add students; import, export, and archive student lists; assign a Vote student ID.</p> <p>LCD Screen: Displays device number when stored in tray. Allows students to navigate backward and forward to display question number and student response during self-paced assessment.</p> <p>Device Numbering: Devices are automatically numbered when returned to the charging tray. Numbered devices can be assigned to a user's name through the Gradebook. Results can be captured by assigned user number or anonymously.</p> <p>PowerPoint Support: Create questions, polling, present results.</p> <p>Changing Button Color: Ability to turn on/off button colors or change individual button colors within tool bar.</p> <p>Adding Handhelds: Automatic numbering upon insertion into tray.</p> <p>Certification & Compliance Wireless: FCC, IC, CE, C-Tick, COFETEL, SCRF, SRMC, TELEC, RRL, TRA, ANRT, ANATEL, WPC, DGPT, CTI, MIC, SIRIM, MOC, CNC, SUBTEL, CRT, SUTEL, BURTEL, CONATEL, SIGET, SIT, PUC, TELCOR, ERSP, OSIPTEL, TATT, URSEC, UrkSEPRO, ICASA, NTRA, CITC, NCC.</p> <p>Safety: UL/CSA/EN/IEC 60950-1 (CE & TUV NRTL) C-Tick, NOM, KCC, GOST, ANATEL, SII, UrkSEPRO, NRCS, VoC, CQC. EMC: FCC, IC, CE, C-Tick, GOST, KCC, ANATEL, SII. Environmental: RoHS, WEEE, REACH compliant.</p>
6.	Capture Tool	<p>When added to the above Interactive Bar, Capture tracking system captures and saves whiteboard notations in real time. Whiteboard notes and drawings can be captured in their original marker color and instantly converted to the desired file format. Handwriting can be converted into font-based text. Features include dynamic switching between Capture mode and Interactive Bar mode. Capture recharging tray, 4 marker pen holders with rechargeable batteries, 4 dry erase Expo markers (red, green, blue, black), eraser with</p>

		<p>rechargeable Lithium-Ion battery, and connector bar (connection to Interactive Teaching bar).</p> <p>Minimum Requirements: OEM Interactive Software on Windows, Mac or Linux</p> <p>Whiteboard Active Area (per device): 1.2 m x 2.4 M (4 ft x 8 ft) landscape orientation.</p> <p>Recharging Tray: 254 mm D x 174.6 mm W x 34.9 mm H (10 in. D x 6.9 in. W x 1.4 in. H)</p> <p>Magnetic Pen Holder: 235 mm D x 95 mm W x 44 mm H (9.3 in. D x 3.8 in. W x 1.8 in. H)</p> <p>Weight: Tray: .45 kg (1 lb), Tray, 4 pens, eraser: .79 kg (1.75 lb).</p> <p>Pen holder: .136 kg (.3 lb)</p> <p>Controls & Indicators: Capture recharging tray serves as a charging station for the batteries inside the pens and eraser.</p> <p>Marker Pens: Capture pens use Expo-type dry erase markers.</p> <p>Pens: 171 mm L x 32.2 mm W x 32.2 mm H (6.7 in. L x 1.3 in. W x 1.3 in. H), Lithium- Ion battery recharges while pen is docked in the tray.</p> <p>Eraser: 76.11 mm x 76.11 mm x 84.3 mm (3 in. L x 3 in. W x 3.3 in. H). 71 mm (2.8 in.) eraser surface. Lithium-Ion battery recharges while eraser is docked in the tray.</p> <p>Power Consumption: 5V - 100mA DC via fixed USB cable</p> <p>Automatic Mode Switching Capture mode can be initiated from a interactive Bar whiteboard in Interactive mode by touching a marker pen to the board, or can be initiated via software of Interactive Bar.</p> <p>Certification & Compliance: TOV, FCC, CE</p>
7.	HD WiFi Streamer	<p>HD WiFi Streamer for Projector and other Display Connectivity over WiFi. TO be connected via VGA to Projector and then creates WIFI in Room so that other devices can wirelessly connect carry our Presentations in on the Projector.</p>
8.	High End Tab	<p>Tab with Mac OS and latest configuration.</p>
9.	Lecture Recording Device	<p>In the Box: Base, Marker, Charger, Adapter grips, Audio cable, Micro USB cable and Manual</p> <p>Pan: 360 degree continuous with max 45 degree/sec and 0.1degree step increment size.</p> <p>Tilt: 25 degree range with max 10 degree/sec and 0.1degree step increment size .</p> <p>Tracking: 2-30 foot range of operation line of site</p> <p>Mobile compatibility :iOS and Android with app integration, Windows with manual control.</p> <p>Camera compatibility :Select controls to Canon and Nikon cameras</p> <p>Size: 80mm x 30mm</p> <p>Remote Controls: Record, Action, Right & Left</p> <p>Microphone :2.4Ghz Pure path Wireless Digital Mic, 30 ft range</p> <p>Battery :Re-chargeable Lithium Polymer with estimated 4 hour run time (usage dependent)</p> <p>Size :125mm x 65mm</p> <p>Device Mounting: Any mobile device or device with protective case under 12mm thick or camera under 8 lbs (requires camera mount ó SW5050)</p> <p>Battery: Re-chargeable Lithium with estimated 4 hour run time</p>

		<p>(usage dependent)</p> <p>Mobile Charging: 1Amp via a standard USB connection to base I/O:USB, micro USB, 2.5mm Shutter, 3.5mm audio</p> <p>IOS Features: Start/stop video recording from marker Easiest way to control capture : iOS and Android. Automatic 360 degree video capture Perfect for environment capture Pause tracking from marker button Better presentation control Base and battery level indications know when charging is needed before you run out Tracking disable/enable Perfect for whiteboard capture and other special setups Indication of maximum video recording length Help with recording and space planning Countdown timer Helps to plan a capture session and keep it on track More efficient video bitrates and HD/SD recording selection Results in smaller video files for easier transfer</p>
10.	Cabling & Installation Cost	Cabling and Installation Cost to be given for a complete Setting Up of one Smart Class.

BIDDER'S PROFILE
(PART –I)

1. Name of the bidder í ..í í í í
2. Name of the authorized signatory (whose photograph is affixed)
Mr/Ms/Mrsí í
3. Permanent address of the firm/Supplierí ..í í
í ..í í
Tel. No. (with STD Code) (O)í í í í í í í ..í (Fax)í ..í í í í í í í í
(R)í í í í í í í .. (Mobile)í í í í í í í ..
4. Registration & incorporation particulars of the firm.
 - 4.1 Proprietorship
 - 4.2 Partnership
 - 4.3 Private Limited
 - 4.4 Public Limited(Please attach attested copies of documents of registration/incorporation of your firm with the competent authority as required by business law).
5. Name of proprietor/partners/directors í í í í í í í í í ..í í í í í í í í í .
í í
6. Bidders bank, its address and his current account
numberí ..í í í í í í í í í .
í í
7. Permanent Account Number, Income Tax Circleí í í í í í ..í í í í í í ..
8. TINí í

Passport size
photograph of the
tenderer/authorised
signatory holding
power of attorney

I/We hereby declare that the information furnished above is true and correct. In case the above information is found incorrect at any stage before finalization of the process, the University may take appropriate action as warranted.

Name and sign of the authorized person of the firm along with seal

Place:
Date:

**PROFORMA FOR FINANCIAL BID
(PART –II)**

Name of the Bidder í

Tel Nosí .

S.No.	Item Name	Specifications	Make	Rate per Unit (Rs)
1.	Projector	Shot throw Projector with Throw ratio of 0.58, 3100 Lumens, XGA, 3000:1 Contrast, 3.6 Kgs, Lan, 10W Spkr/ 2 USB Type A/ HDMI/ 2 Comp IN/ 1 Comp OUT/ Multi Projectors (12 PJ)/ 50 Comp Control Moderator.		
2.	Digital Podium	<p>Wooden Podium with post forming on the edges (19" AHA Interactive Panel, Manual controller with 2 USB ports, Power point, VGA x 1, VGA Switcher for switching between 3 devices, Self Lockable wheels, with MIC XLR Connector on podium to connect Gooseneck MIC), Podium should have an in-built 9U Rack for housing Amplifier, PC, DVD Player, Mixer etc.</p> <p>AHA Interactive Panel 19' Specs: LCD Resolution ó 1366 * 768, View Area- 409.8(H) x 230.4(V) mm ó 19 inch, Luminance White - 300 cd/m², Contrast Ratio- 1000:1 (typ.), Viewing Angle - 160• (H/V), Lamp Life Time - 20,000 Hrs (min), Tablet Technology- Electromagnetic Resonance, tablet Detectable Height - 3~10mm, Tablet Position Report Rate- 138pps, Tablet Pressure Resolution - 1024 Level. Tablet should have writing capability on screen.</p> <p>1 No of Mixer Specs: 8 channel Audio Mixer with frame size 8+2, two configurable Auxillary buses, XLR and ¼ Inch metal jack connector, RCA, phone, stereo playback inputs and recording outputs, 3 band EQ, 2 band EQ on stereo inputs & Headphone out.</p> <p>1 No of Amplifier Specification: Dual Channel Power Amplifier, 525 watts * 2 @ 4 ohm, 300 watts*2 @ 8 ohm.</p> <p>4 No's of Speaker Specification: 6.5 Inch 2 way Low Impedence Loud Speaker, woofer size 6.5 Inch, Tweeter Size 1 Inch, Impedence ó 8 Ohm, Frequency response- 60 Hz to</p>		

		<p>20 KHz, SPL1W/1m 90 dB, max SPL1m 110 dB, loud speaker system 2 way. Low impedance dynamic power 200 watts.</p> <p>1 No of Gooseneck Microphone: Frequency Response 50 Hz-50 Khz, Impedence < 100 ohms, Equivalent Noise level 26 db, maximum SPL 130 db, current consumption 3mA.</p> <p>2 No's of Wireless Handheld Microphone: Total no of preset-12, THD < 1 %, SNR Ratio > 103 db, Audio Output Level (Balanced) XLR+14dBu max, Audio output level (Unbalanced) jack+8dBu max, diversity reception-true diversity, Microphone frequency response-80 Hz to 16KHz, Dynamic Microphone having cardioid pick up pattern, SPL 149dB.</p> <p>1 No of Wireless Lapel Microphone: Total no of preset-12, THD < 1 %, SNR Ratio > 103dB, Audio Output Level (Balanced) XLR+14dBu max, Audio output level (Unbalanced) jack+8dBu max, diversity reception-true diversity, Microphone frequency response- 100 Hz to 16KHz, Permanent Polarized Microphone having Omni Directional pick up pattern, SPL 142dB.</p>		
3.	Visualizer-View	<p>3.2 megapixel camera on flexible gooseneck arm; 2 LED light sources on independent, flexible gooseneck arms; microscope adapter; 3 m (10 ft) USB cable with Type-B male on the camera end and Type-A male on the computer end; and OEM hardware license.</p> <p>Minimum Software Requirements: OEM Interactive Software on Windows, Mac or Linux.</p> <p>Output Resolution: High-definition 1920x1080.</p> <p>Sensor Pixels: 3.2 megapixel.</p> <p>Input/Output: USB 2.0 High Speed only.</p> <p>Connection: Single USB cable.</p> <p>Zoom: 8x mechanical zoom, 16x digital zoom.</p> <p>Lighting: Two independently adjustable LED lights.</p> <p>Shooting Area: 420mm x 315 mm when height is 360 mm (16.5 in. x 12.4in.).</p>		

		<p>Driver Interface: UVC.</p> <p>User Input: 4 Buttons: View, Auto-Tune, Rotate, and Freeze.</p> <p>Image Rotation: 90-degree increments (CW/CCW).</p> <p>Microscope Adapter: Provided.</p> <p>Operating Temperature: 5°C to 35°C (41°F to 95°F).</p> <p>Storage Temperature: -20°C to 55°C (-4°F to 131°F).</p> <p>Focus: Automatic.</p> <p>Color Balance: Automatic.</p> <p>Video and Images: Save to its Gallery.</p> <p>Content Alignment: Straightedge incorporated on base.</p> <p>Camera Adjustment: Flexible gooseneck for camera.</p> <p>Certification & Compliance: Safety & EMC: FCC (U.S.), IC (Canada), CE (Europe), EAC (Russia), VCCI (Japan), C-tick (Australia/New Zealand), Environmental: RoHS, WEEE.</p>		
4.	Interactive Bar	<p>A Bar that can Transform Normal White board into Interactive board. Interactive system transforms any dry erase board into a fully interactive whiteboard. Infrared and ultrasound sensor technology fits neatly into a small, unobtrusive bar that attaches easily to a board. Combine it with a projector and computer, and it becomes a fully interactive system. Interactive bar with embedded wireless interface, rechargeable stylus, Hub1 wireless receiver, USB micro-B cable (5 m/16 ft), magnetic mounting bracket, 5V 500 A USB power supply, 1 DVD containing Windows (OEM Software) in 26 languages. with included Software for integration with Windows and Mac or Linux OS.</p> <p>Data Transfer Rate USB Full-speed USB (12 Mbps).</p> <p>Power Consumption: 5V- 100mA DC via micro-USB</p> <p>Interactive Bar Dimensions Preferred: 375.4 mm H x 68 mm W x 38 mm D (14.8 in. H x 2.7 in. W x 1.5 in. D).</p> <p>Whiteboard Active Area(per device): Interactive mode with projector supports 1.5 m x 2.4 m (5 ft</p>		

		<p>x 8 ft), up to 2.5 m (8.3 ft) standard aspect-ratio diagonal projection display, and 2.9 m (9.4 ft) diagonal in wide-screen mode.</p> <p>Stylus: Ergonomically elegant stylus for interactive use. Ultrasound at 40 kHz (frequency) + Infrared at 940 nm (wavelength).</p> <p>Wireless Data Transfer Rate: 250 Kbps.</p> <p>Temperature: Operating:16°C to 38°C (60°F to 100°F). (Higher than 80°F/27°C will cause slight inaccuracy for ink capture). Storage: -20°C to 35°C (-4°F to 95°F.) (1 year set by battery) ---20°C to 45°C (-4°F to 113°F). (1 month set by battery) -30°C to 60°C (-22°F to 140°F). (Absolute Maximum</p> <p>Resolution & Tracking Speed: Signal tracking frequency 87 times per second. Signal tracking speed 2.7 m (9 ft) per second. 4,800 x 9,600 line effective resolution on 1.2 m x 2.4 m (4 ft x 8 ft) board.</p> <p>Certification & Compliance Wireless: FCC, IC, CE, C-Tick, COFETEL, SCRF, SRMC, TELEC, RRL, TRA, ANRT, ANATEL, WPC, DGPT, CTLMIC, SIRIM, MOC, CNC, SUBTEL, CRT, SUTEL, BURTEL, CONATEL, SIGET, SIT, PUC, TELCOR, ERSP, OSIPTEL, TATT, URSEC, UrkSEPRO, ICASA, NTRA, CITC, NCC.</p> <p>Safety: UL/ CSA/EN/IEC 60950-1 (CE & TUV NRTL) C-Tick, NOM, KCC, GOST, ANATEL, SII, UrkSEPRO, NCRS, VoC, CQC. EMC:FCC, IC, CE, C-Tick, GOST, KCC, ANATEL, SII. Environmental: RoHS, WEEE, REACH compliant.</p>		
5.	Vote Assessment	<p>Vote assessment system makes student assessment fast, flexible, and easy. Create tests with custom or standardized content, and get results in real time, whenever you like. Lead tests yourself, or let students pace themselves 32 Vote tool rechargeable handheld devices, packed in a durable metal storage case, with foam-padded compartments, removable docking and charging station, Interactive Software (1 DVD), 1 Hub wireless receiver, 1 power supply and cable.</p>		

		<p>Minimum Software Requirements: OEM Interactive Software on Windows, Mac or Linux</p> <p>Range: 9 m (30 ft)</p> <p>Response Time Discrimination: As low as 1 millisecond</p> <p>Controls & Indicators: 8 response buttons and, 2 forward/backward buttons, 1 Help button.</p> <p>Max Number of Devices per System: 32</p> <p>Batteries: 1 rechargeable Lithium--Ion battery per handheld device.</p> <p>Battery Life: Fully rechargeable; typically 3 years. Communication: Wireless with the Interactive Teach (Hub), which inserts into computer USB port.</p> <p>Radio Frequency (RF): 2.4 GHz.</p> <p>Power Consumption: 5 V 3.0 Amps via EIAJ-2 (1.7mm ID, 4mm OD).</p> <p>Operating Temperatures: 0°C to 50°C (32°F to 122°F). Limited by LCD display.</p> <p>Storage Temperatures: -10°C to 60°C (14°F to 140°F). Limited by LCD display. Operating Humidity: 15% to 75% non- condensing. Storage Humidity: 0% to 90% non-condensing.</p> <p>Question/Answer Types: Multiple Choice A-E), Yes/No, True/False, Chime In, Question.</p> <p>Question Data Import: ExamView importer (Blackboard 6.0 67.0 format).</p> <p>Question Preparation: Software allows for question preparation with correct answers. Questions can be timed.</p> <p>Response Monitoring: Results can appear instantly, or be viewed at a later time. Users can be allowed to modify their response.</p> <p>Response Modes: Operates in teacher-managed or student-managed modes.</p> <p>Gradebook: Create a class; add students; import, export, and archive student lists; assign a Vote student ID.</p> <p>LCD Screen: Displays device number when stored in tray. Allows students to navigate backward and forward to display question number and student</p>		
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		<p>response during self-paced assessment.</p> <p>Device Numbering: Devices are automatically numbered when returned to the charging tray. Numbered devices can be assigned to a user's name through the Gradebook. Results can be captured by assigned user number or anonymously.</p> <p>PowerPoint Support: Create questions, polling, present results.</p> <p>Changing Button Color: Ability to turn on/off button colors or change individual button colors within tool bar.</p> <p>Adding Handhelds: Automatic numbering upon insertion into tray.</p> <p>Certification & Compliance Wireless: FCC, IC, CE, C-Tick, COFETEL, SCRF, SRMC, TELECOM, RRL, TRA, ANRT, ANATEL, WPC, DGPT, CTI, MIC, SIRIM, MOC, CNC, SUBTEL, CRT, SUTEL, BURTEL, CONATEL, SIGET, SIT, PUC, TELCOR, ERSP, OSIPTEL, TATT, URSEC, UrkSEPRO, ICASA, NTRA, CITC, NCC.</p> <p>Safety: UL/CSA/EN/IEC 60950-1 (CE & TUV NRTL) C-Tick, NOM, KCC, GOST, ANATEL, SII, UrkSEPRO, NRCS, VoC, CQC. EMC: FCC, IC, CE, C-Tick, GOST, KCC, ANATEL, SII. Environmental: RoHS, WEEE, REACH compliant.</p>		
6.	Capture Tool	<p>When added to the above Interactive Bar, Capture tracking system captures and saves whiteboard notations in real time. Whiteboard notes and drawings can be captured in their original marker color and instantly converted to the desired file format. Handwriting can be converted into font-based text. Features include dynamic switching between Capture mode and Interactive Bar mode. Capture recharging tray, 4 marker pen holders with rechargeable batteries, 4 dry erase Expo® markers (red, green, blue, black), eraser with rechargeable Lithium-Ion battery, and connector bar (connection to Interactive Teaching bar).</p> <p>Minimum Requirements: OEM Interactive Software on Windows, Mac or Linux</p> <p>Whiteboard Active Area (per</p>		

		<p>device): 1.2 m x 2.4 M (4 ft x 8 ft) landscape orientation.</p> <p>Recharging Tray: 254 mm D x 174.6 mm W x 34.9 mm H (10 in. D x 6.9 in. W x 1.4 in. H)</p> <p>Magnetic Pen Holder: 235 mm D x 95 mm W x 44 mm H (9.3 in. D x 3.8 in. W x 1.8 in. H)</p> <p>Weight: Tray: .45 kg (1 lb), Tray, 4 pens, eraser: .79 kg (1.75 lb).</p> <p>Pen holder: .136 kg (.3 lb)</p> <p>Controls & Indicators: Capture recharging tray serves as a charging station for the batteries inside the pens and eraser.</p> <p>Marker Pens: Capture pens use Expo-type dry erase markers.</p> <p>Pens: 171 mm L x 32.2 mm W x 32.2 mm H (6.7 in. L x 1.3 in. W x 1.3 in. H), Lithium-Ion battery recharges while pen is docked in the tray.</p> <p>Eraser: 76.11 mm x 76.11 mm x 84.3 mm (3 in. L x 3 in. W x 3.3 in. H). 71 mm (2.8 in.) eraser surface. Lithium-Ion battery recharges while eraser is docked in the tray.</p> <p>Power Consumption: 5V - 100mA DC via fixed USB cable</p> <p>Automatic Mode Switching Capture mode can be initiated from a interactive Bar whiteboard in Interactive mode by touching a marker pen to the board, or can be initiated via software of Interactive Bar.</p> <p>Certification & Compliance: TOV, FCC, CE</p>		
7.	HD WiFi Streamer	<p>HD WiFi Streamer for Projector and other Display Connectivity over WiFi. TO be connected via VGA to Projector and then creates WIFI in Room so that other devices can wirelessly connect carry our Presentations in on the Projector.</p>		
8.	High End Tab	<p>Tab with Mac OS and latest configuration.</p>		
9.	Lecture Recording Device	<p>In the Box: Base, Marker, Charger, Adapter grips, Audio cable, Micro USB cable and Manual</p> <p>Pan: 360 degree continuous with max 45 degree/sec and 0.1 degree step increment size.</p> <p>Tilt: 25 degree range with max 10 degree/sec and 0.1 degree step increment size .</p>		

		<p>Tracking: 2-30 foot range of operation line of site</p> <p>Mobile compatibility :iOS and Android with app integration, Windows with manual control.</p> <p>Camera compatibility :Select controls to Canon and Nikon cameras</p> <p>Size: 80mm x 30mm</p> <p>Remote Controls: Record, Action, Right & Left</p> <p>Microphone :2.4Ghz Pure path Wireless Digital Mic, 30 ft range</p> <p>Battery :Re-chargeable Lithium Polymer with estimated 4 hour run time (usage dependent)</p> <p>Size :125mm x 65mm</p> <p>Device Mounting: Any mobile device or device with protective case under 12mm thick or camera under 8 lbs (requires camera mount ó SW5050)</p> <p>Battery: Re-chargeable Lithium with estimated 4 hour run time (usage dependent)</p> <p>Mobile Charging: 1Amp via a standard USB connection to base</p> <p>I/O:USB, micro USB, 2.5mm Shutter, 3.5mm audio</p> <p>IOS Features: Start/stop video recording from marker Easiest way to control capture : iOS and Android. Automatic 360 degree video capture Perfect for environment capture Pause tracking from marker button Better presentation control Base and battery level indications know when charging is needed before you run out Tracking disable/enable Perfect for whiteboard capture and other special setups Indication of maximum video recording length Help with recording and space planning Countdown timer Helps to plan a capture session and keep it on track More efficient video bitrates and HD/SD recording selection Results in smaller video files for easier</p>		
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		transfer		
10.	Cabling & Installation Cost	Cabling and Installation Cost to be given for a complete Setting Up of one Smart Class.		

Declaration:

It is certified that the information furnished above is correct. We have gone through the terms and conditions stipulated in the Tender Document and confirm to abide by the same. The signatory to this bid is authorized to sign such bids on behalf of the organization.

Place:í í í í í í í í ..

Signature:í í í í í í í í í í .

Date:í í í í í í í í í í

Name:í í í í í í í í í í í ...

Designation:í í í í í í í í í í .