

Morigaon College Morigaon, Assam (India)



Tender Document for

(A) Designing, Supply, Installation & Commissioning Of Smart Class Room Solution

(B) Laboratory Equipments for various departments

at Morigaon College, Morigaon, Assam

TENDER NOTICE NO.	MC/RUSA/EIUP/2017/05
Dated	03-08-2017
LAST DATE & TIME FOR RECEIPT OF TENDER	10-08-2017: 1.00 pm
DATE & TIME OF OPENING	10-08-2017: 2.30 pm
NAME AND ADDRESS OF THE TENDERER	The Principal, Morigaon College Morigaon (Assam)

CONTENTS

Section- I	Invitation for Bids
Section- II	Instructions to Bidders
Section -III	Terms & Conditions
Section -IV	Eligibility of the bidder
Section -V	Estimated Bill of Quantity

SECTION I

INVITATION FOR BIDS

1. The Principal, Morigaon College, Morigaon, 782105, Assam, invites sealed bids from eligible bidders for, Supply, Installation & Commissioning of Smart Class Solution at Morigaon College, Morigaon.
2. Interested and eligible Bidders may obtain further information, if required, from the office of The Principal, Morigaon College, Morigaon 782105, Assam. The bidding document may be obtained by downloading it from <http://morigaoncollege.org.in/>
3. Bids will be opened in the presence of Bidder's representatives who choose to attend on the specified date and time.
4. In the event of the date specified for bid receipt and opening being declared as a closed Holiday for purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.

DETAILS OF THE TENDER

Sl. No.	Items	Description
1.	Scope of Work	A. Supply, Installation & Commissioning Of Smart Class Room Solution B. Supply of Laboratory Equipments
2.	Last date& time of submission of bid	10 – 08-2017 at 1 : 00 pm
3.	Date& time of opening of bid	10 – 08-2017 at 2 :30 pm
4.	Place of opening of bids	The Principal's office, Morigaon College, Morigaon, 782105
5.	Address for communication	The Principal, Morigaon College, Morigaon, 782105

SECTION II

INSTRUCTIONS TO BIDDERS

1. Bids shall be valid for a minimum period of 120 days after the due date.
2. Maximum Project duration from the date of issue of work order must be within 15 days.
3. The Bids must reach the undersigned on or before the due date, i.e. Bids received after the due date and time is liable to be rejected. The college shall not be responsible for any postal delays. However, in the event of due date being a closed holiday or declared Holiday for Morigaon College, the due date for submission of the bids will be the following working day at the same time & venue.

4. Parties participating in the bid are requested to be available for opening of bids.
5. The quotations shall include all specifications as detailed in the tender. Silence in any of the specifications will be interpreted as non-conformity with purchaser's requirement. Tender enquiry may make this point clear to avoid further correspondence seeking clarification.
6. The rates quoted should indicate clearly all applicable taxes and all charges and should be in INR.
7. The tender is liable to be ignored if complete information is not given therein or if the particulars and date (if any) asked for in the terms and conditions are not mentioned.
8. All the pages of the bid should be signed along with company's seal.
9. Evaluation Criteria: -
 - i) Complying with the specification mentioned in **Annexure A**
 - ii) Preference shall be given to bidders who have the experience in the related field.
10. The Morigaon College reserves the right to reject any or whole quotations without assigning any reasons thereof and does not bind itself to accept the lowest quotations whatsoever.
11. That in case of any disputes between concerned parties the decision of The Principal, Morigaon College will final and binding on all parties concerned.

SECTION III

TERMS AND CONDITIONS

1. Rates should be valid for a period of 120 days from the date of the opening of the price bid and that the Morigaon College may give orders or repeated orders during this period.
2. The Morigaon College reserves the right to only procure some items at a time.
3. Payment will be made 100% after successful Installation to be certified by Morigaon College.
4. Bidders shall respond to Technical Specifications in the prescribed format only as mentioned in **Annexure-A** of Tender Document.
5. Bidders shall quote for price in the prescribed format only as mentioned in **Annexure-B** of Tender Document.
6. The terms and conditions of the tender are binding.

SECTION IV

ELIGIBILITY CRITERIA FOR PARTICIPATING IN THE TENDER

(Valid & Up to date Documentary Evidence to be enclosed point wise)

1. The Bidder must have been in the IT Business for at least 3 years.
2. Details of GST to be submitted along with the offer.
3. Proposed solution should be vetted by the OEM with assurance for minimum 3 years support on the quoted product and model.
4. The OEM should be an established vendor with presence in India for the last 5 years;
5. The Data sheets / Cross reference documents and technical documents submitted should be available on the global websites of the respective IPDSLAM manufacturer and the URL links to the respective documentation should be provided in the compliance statement. Any document which is not available on the Global website of the OEM would be treated as invalid document submitted and noncompliance against the technical specification asked in the tender.
6. OEM's authorizing multiple bidders for the tender should ensure all the authorized bidders quote 100% compliant BOM and the BOM should be same with the same part codes with all the Authorized bidders.
7. The Bidder should have the experience of implementing Smart Class Room Solution at least 10 reputed Institute/ College/ University/NITs / IIT in Assam/North East. The bidder must have installed 30 or more such smart Class Rooms across the region. The Bidder must have conducted a **Users' Trainings** for such Installation. Documentary Evidence of such Trainings with Photograph has to be provided. Completion Certificate of the aforesaid work, if any, needs to be submitted.

8. Preference would be given if the Bidder is ISO 9001:2008 in 14001:2004 Accredited.

SECTION V

Estimated Bill of Quantity.

A. Smart Classroom Solution:

Sl. No.	Item	Quantity
1	White board	2 Nos.
2	Interactive solution	2 Nos.
3	Interactive pen display	2 Nos.
4	Desk top Computers with UPS (600VA)	2 Nos.
5	Projector with ceiling mount kit	2 Nos.
6	Cables and accessories	2 sets
7	Installation Charge	2 sets

B. Laboratory equipments for various departments:

Sl. No.	Description of the Items	Quantity
1	G.P.S.	2 Nos.
2	Satellite Imagery Black/ White	2 Nos.
3	Aerial Photograph with 2 number of stereoscope	2 Nos.
4	Planimetre (Digital)	2 Nos.
5	Skeleton of Globe	2 Nos.
6	Rotametre (Digital)	2 Nos.
7	Globe (Physical)	1 No
	Globe (Political)	1 No
8	Computer	2 Nos.
9	Projector with Ceiling Mount Kit	1 No.

Annexure A

Technical Specification Interactive Solution

Digitizing Technology	Optical Touch Tracking, 880nm infrared, CMOS image sensor, use near-infrared pen to write and operate.
Active area	40-160 inch, Amongst largest interactive areas achieved
Resolution	SVGA, XGA, 800X600, 1024X768, 1200X800
Responding rate	Signal tracking rate: ≥3m/s, Signal processing rate: 480 dot/s, Refresh rate: 30 frames
Sensing pressure	≥10g. Allows users to write with the pen leaned in any direction. The writing feel is as natural as writing with marker pen.
Sensing height	0 cm, zero false detection when the surface is not touched.
Mouse function	The double-click function can be performed with ease or achieved through single-click. The right-click function can be achieved by pressing on board for 2 seconds.
Calibration	Provide 4 points and 9 points calibrations. The active area can be adjusted.
Anti-interference capability	Excellent, can resist any electromagnetic interference and most optical interference. User can adjust the Exposure Time to adapt the receiver to strong light environment.
Mounting	Ceiling Mounting or Desktop Mounting
Operating system	Windows XP/Vista/7
PC connection	Provide 10M USB cable for PC connection. Provide optional 2M or 20M USB cable. Provide optional USB extender for connecting USB cable with

Technical Specification for pen display:

INTERACTIVE PEN DISPLAY	
Product	Interactive pen display
Screen size	15.6-inch
Screen resolution	1366 x 768 (WXGA)
Pixel pitch	0.252 x 0.252 mm
Colour depth	16.77 million colours
Contrast ratio	400:01:00
Maximum Brightness (cd/m²)	255 cd/m ²
Response Time	8 ms
Viewing angle (horizontal / vertical)	90° / 65°
Backlight lifetime	50,000 hours
Video Cables	DVI-I to VGA (Analog RGB) cable DVI to DVI cable
Video Interface	DVI-I video in/out
PEN & TABLET	
Battery-free & cordless pen	Yes
Pen pressure levels	512 levels

Customisable pen buttons	2 side switches
Pen eraser	Yes
Pen tether	Yes
Pen stand	No
Tablet resolution	2540 lpi
Coordinate accuracy	±0.5mm (center)
Tablet reading height	5 mm
Report rate	133 points/sec
Data interface	USB
Data cables	USB cable
GENERAL	
Main unit dimensions (W x D x H)	420 x 283 x 49 mm (excluding stand)
Weight (including stand)	4.3 kg
Adjustable stand (incline from vertical)	19° to 72°
USB 2.0 hubs	2 (1 on each side of the display)
Operating temperature	5â„ƒ to 35â„ƒ
Operating humidity	20% to 80% RH
OTHERS	
Windows OS compatibility	7 / Vista / XP / 2000
Macintosh OS compatibility	OS X 10.4 or later
Power supply input	AC 100-240V, 50-60Hz
Maximum power consumption	29W
Limited warranty	One year

TECHNICAL SPECIFICATION OF THE DESKTOP COMPUTERS:

Parameters	Required Specifications
Chipset	H110 or higher
Processor	Intel Core i3-7100 with Intel HD Graphics 630 (3.9 GHz, 3 MB cache, 2 cores)
Memory	4GB DDR4 RAM expandable to 32 GB / 2 DIMM Slots
Hard Disk	Minimum 1TB expandable upto 2TB SATA HDD & 256GB SATA SSD;
USB Ports	8 USB Ports (2 Front USB 3.0, 2 Rear USB 3.0, 4 Rear USB 2.0)
Legacy Ports	Serial, 2 PS/2,
Slots	PCIe X1, PCIe X16, PCI, M.2
Bays	3 (1 ODD External, 2 HDD internal)
Display Ports	1 VGA, 1HDMI
Security	TPM 1.2 upgradeable to 2.0 ,
Volume	Not more than 16 Liters
Weight	Not more than 6 Kgs.
Operating System	Windows 10 Professional 64bit/ Free DOS
Monitor	19.5 TFT Monitor or higher IPS Display Panel with TCO 7.0
Keyboard/Mouse	USB 104 keys keyboard (Same make as PC)

	USB 2 Button Scroll Mouse (Same make as PC)
Power supply	180 Watts, 85% Power Efficiency
Certifications	Epeat India Registered for CPU and Monitor, ISO 9001 ISO 14001, ROHS, Energy Star 6.1 Certifications, UL Certification
Warranty	3 years onsite Warranty
Drivers	Drivers of the quoted products should be available at public Domain
Market Credibility	The OEM/ Vendor should be of positive net worth for the last ten years. OEM should be Among top 5 IDC Vendors
Blacklisting	The Bidder should not hold any sanction/black-listing by any Government / Quasi government agency during the past 3 years (even if the sanction / black-list were subsequently withdrawn). Self-declaration Affidavit should be submitted.
Credentials	The Bidder should have at least one single order for a value of Rs.15 lakhs in the last Financial years. (Copy of said order should be attached)
Authorisation	Bidder should produce Tender Specific Authorisation from the OEM and should be a Business Partner of OEM
Service Centre	Bidder/OEM should have a local Service Centre at Guwahati/Nagaon

