

**ASSAM ENGINEERING INSTITUTE
CHANDMARI, GUWAHATI
ASSAM -781003**

Tel:- 0361-2134633
E-mail:principal.aei@gmail.com
Website: aei.org.in

Ref. No. AEI/AICTE-NEQIP/2013-14/4095

Dated 08/09/2014

**NOTICE INVITING TENDER (NIT)
FOR SUPPLY & INSTALLATION OF MACHINES & EQUIPMENTS TO ASSAM
ENGINEERING INSTITUTE UNDER AICTE-TEQIP-NES PROGRAM
(LIST IX)**

The Principal, Assam Engineering Institute invites quotation for supply & Installation of Machines & Equipments as per details at ANNEXURE-IV, in **Two Bids** to reach the undersigned on or before **26/09/2014**

Sl No.	Reference no.	Items	Qty	EMD (Rs.) in the form of DD (to be submitted with Technical Bid)	Tender Document Fee (Rs.) in the form of DD (to be submitted with Technical Bid)
01.	Ref. No. AEI/AICTE-NEQIP/2013-14/4095 Dated 08/09/2014	Supply & Installation of Machines & Equipments to be installed at Assam Engineering Institute, Chandmari, Guwahati, Assam	One Package	@2%	500.00

(1). Last date & Time for Submission: **26/09/2014 (14.00 HRS)**

(2). Date/Time for Opening of Tech. Bids: **26/09/2014 (14.30 HRS)**

After evaluation of technical bids, financial bids of the successful bidders will be opened on a later date which will be notified in the Institute website

Venue of Bid Opening: At Office of Assam Engineering Institute, Chandmari, Guwahati, Assam

BID INSTRUCTION:

01. Quotations will have to be submitted in TWO Bids. The address of the firm submitting the quotation and the Officer to whom the quotation is addressed must appear distinctly on sealed covers. Further, on sealed cover, the following are to be written:

**QUOTATION FOR SUPPLY & INSTALLATION OF MACHINES & EQUIPMENTS TO
ASSAM ENGINEERING INSTITUTE UNDER AICTE-TEQIP-NES PROGRAM
(LIST IX). NIT REF NO., Dt.....**

02 Submission of Compliance Certificate: Duly filled and signed Compliance Certificates (as per formats at Annexure I(A & B) are must with the Technical bid.

03. Bid not transferable: The bid documents are not transferable and the seal and signature of the authorized official of the firm's must appear on all the papers and envelopes submitted.

QUALIFICATION REQUIREMENTS

1. The Bidder should be a firm of reputation having sufficient expertise and experience in the subject tender with sound warranty / service support capability and authorization from manufacturers.
2. The Bidder has to Quote for all the items in the NIT. Bidders who do not Quote for all the items are subject to be disqualified.
3. Sealed quotations must be affixed with court fee stamps of Rs. 8.25 (Rupees eight and paisa twenty five) only without which no quotation will be accepted.

NIT TERMS & CONDITIONS:

01. **Rates:** Rates quoted in the **Price Bid** should be **on DOOR DELIVERY at AEI, Guwahati basis**, as per details below:

Sl. No.	Particulars	Rate
I	Basic Price (per unit) with installation and commissioning	
	Total	
	Taxes (pl. give break up)	
	Grand Total for door delivery of the item at AEI Premises	

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 of Quotation:** Quoted rates must be valid for **90 days** from the date of quotation.
03. **Warranty:** The quoted equipment and components must be warranted for a minimum of one Year or period specified against the item.
04. **Literature a must:** All the quotations must be supported by the printed technical leaflet/literature and the specifications mentioned in the quotation must be reflected/ supported by such printed technical leaflet/literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.
05. **After Sales Service:** Vendors should clearly state the available nearest after sales service facilities in the region, without which their offers will be rejected.
06. **Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer must enclose valid dealership certificate.
07. **Earnest Money:**
Refundable earnest money deposit (EMD) @ 2% on Total Quoted Price through demand draft drawn in favour of "The Principal, Assam Engineering Institute", payable at Guwahati, will have to accompany the technical Bid. The EMD of unsuccessful bidders shall be returned after award of contract. EMD of the successful bidder will be released on submission of the Performance. Offers received without Earnest Money or valid Certificate shall be summarily rejected.

08. **Performance Bank Guarantee (PBG):** In case of items with order value of Rupees Five Lakhs (INR 5,00,000/-) and above, the successful bidder shall furnish an unconditional PBG (as per format at **Annexure II**) for 5% of the Purchase Order value from a scheduled Bank of India, after receiving the purchase order. Where the PBG is obtained by a foreign bank, it shall be got confirmed by a Schedule Indian bank and shall be governed by Indian Laws and be subject to the jurisdiction of courts at Guwahati. The PBG shall guarantee that,
- (a) The Vendor guarantees satisfactory operation of the Equipment & components against poor workmanship, bad quality of materials used, faulty designs and poor performance.
 - (b) The Vendor shall, at his own cost, rectify the defects/replace the items supplied, for defects identified during the period of guarantee.
 - (c) This guarantee shall be operative from the date of installation till 60 days after the warranty period.
09. **Delivery:**
- a) **Time Limit:** Maximum within 10-12 Weeks from the date of issue of this purchase order.
 - b) **Safe Delivery:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of AEI user/representative and vendor's representative. The intact condition of the package and the seal/indicators for not being tampered with, shall form the basis for certifying the receipt in good condition.
 - c) **Insurance:** The supplier is to establish 'All Risk Transit Insurance' coverage till door delivery at AEI, Guwahati, Assam.
 - d) **Part Delivery:** Acceptance of part delivery shall be a prerogative of the institute.
10. **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Conditions mentioned in the tender bids submitted by vendors will not be binding on AEI, Guwahati.
11. **Road Permit:** Assam Engineering Institute will not provide any Road Permit to the Vendors.
12. **VAT deduction at source:** In case of suppliers within Assam, VAT deduction at source, as per Order/ notification of the Govt. of Assam will be applicable.
13. **Late and delayed tender:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on the prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.
14. **Payment:** Payment will be released only after successful completion of installation and acceptance, Demo and Test run etc.
15. **Enquiry during the course of evaluation not allowed:** No enquiry from the bidder(s) shall be entertained during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative may make enquiries/seek clarification from the bidders. In such a case, the bidder must extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period of notice.
16. The acceptance of the quotation will rest solely with the Principal, AEI, 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.
17. **Force Majeure:**
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.

18. Applicable Law:

- (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/Assam.
- (b) Any dispute arising out of this purchase shall be referred to The Principal, Assam Engineering Institute, Guwahati, Assam 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 Principal of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

Sd/-

Principal,
Assam Engineering Institute,
Chandmari, Guwahati

Encl.: ANNEXURE-I, ANNEXURE-II, ANNEXURE-III & ANNEXURE-IV

Annexure -I

A. COMPLIANCE CERTIFICATE FOR NIT TERMS
(To be enclosed in the Technical bid)

Sl. No.	NIT Terms and Conditions	Yes/No
01	Rate quoted as per instruction	
02	Validity of quoted rate for 90 days agreed	
03	EMD submitted (appropriate certificate enclosed)	
04	PBG term agreed	
05	Payment term agreed	
06	Delivery terms agreed	
07	Warranty period agreed	
08	Literature: Printed Literature provided	
09	Dealership / distributorship certificate (in case of dealers/agents) provided	
10	Sales Service: address of after Sales Service centre in India (for imported goods)/ in the region provided	
11	Applicable law terms agreed	

Signature with Seal:.....

Vendor: M/s.....

B. COMPLIANCE CERTIFICATE FOR SPECIFICATIONS
(One for each item must to be enclosed in the Technical bid)

Item Sl. No.		
Specifications as per Annexure-IV	Quoted Item Specs.*	Complied (Yes/No)

Signature with Seal:.....

Vendor: M/s.....

*** Vendor must quote the parameter specification of the quoted product in this column and not just copy the specification from the tender call document. Failure to do so will lead to rejection of the tender.**

Annexure -II

PERFORMANCE BANK GUARANTEE

To:

The Principal,
Assam Engineering Institute,
Guwahati, Assam

WHEREAS (Name of Supplier)
hereinafter called "the Supplier" has undertaken, in pursuance of Contract No..... dated,.....
20... to supply..... (Description of Goods and Services)
hereinafter called "the order".

AND WHEREAS it has been stipulated by you in the said order that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the order.

AND WHEREAS we have agreed to give the Supplier a Guarantee:
THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the order and without cavil or argument, any sum or sums within the limit of (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until theday of.....20.....

Signature and Seal of Guarantors
.....
.....
.....
Date.....20....
Address:.....
.....
.....

All correspondence with reference to this guarantee shall be made at the following address:

The Principal,
Assam Engineering Institute,
Guwahati, Assam-781003

Annexure -III

MANUFACTURERS' AUTHORIZATION FORM

No.

Dated _____

The Principal,
Assam Engineering Institute,
Guwahati, Assam

Dear Sir,

We..... who are established and reputable
manufacturers ofhaving factories at--

(address of factory) do hereby certify

that.....

.....(Name of the Authorised Dealer)is our authorized dealer to quote against your
tender enquiry no

..... ,
Last Date of Submission is:

No other Company other than(Name of
the Authorized Dealer) is authorized to quote of our products against this Tender Enquiry
No.....

Yours faithfully,
(Name)
(Name of manufacturers)

Annexure –IV

TECHNICAL SPECIFICATIONS

Sl. No.	Item	Technical Specifications	Quantity (Nos.)
1	Digital Smart Class Room		
	(1) Interactive Whiteboard system with software	As Per Annexure V	1
	(2) LCD Projector	As Per Annexure VI	1
	(3) Ceiling Mounting Kit for LCD Projector	Together with Annexure VI	1
	(4) Classmate PC	As Per Annexure VII	1
	(5) Lectern	As Per Annexure VIII	1
	(6) Desktop Visualiser	As Per Annexure IX	1

Annexure-V
Interactive White Board – Specifications

Size :	160.5 cm W × 127.2 cm H × 12.8 cm D ; (63 1/4" × 50" × 5 1/8")
Active screen area <i>Interactive :</i>	(61 5/8" × 46 1/8") 195.6 cm (77") diagonal
(maximum projected image) :	156.5 cm W × 117.3 cm H
Software:	Learning Software & Product Drivers need to be provided in Originals from the OEM
System Requirements:	Windows® operating systems and Linux® operating systems.
Environmental Compliance:	EU RoHS, EU WEEE, Packaging and US CPSIA
Regulatory Certification :	CB, CE, CSA (U.S./Canada), FCC and VCCI
Warranty :	Should be 2 (Two) limited equipment warranty.
Cables :	Includes a 3 m or more USB cable
Touch :	Enables you to write, erase and perform mouse functions by touching the interactive whiteboard with your finger or a pen
Multitouch gestures (Windows operating systems) :	Enables one user to perform a series of two-finger touches on the interactive whiteboard screen to navigate pages, change the look of an object and zoom in or out. You must enable gesture recognition in SMART Settings.
(Windows Dual touch operating systems):	Enables two users to touch the interactive whiteboard at the same time and to simultaneously perform mouse functions. You must enable dual touch in SMART Settings
Dual write. (Windows operating systems):	Enables two users to use their fingers to write on the interactive whiteboard at the same time.
Technology:	DViT® (Digital Vision Touch) technology Frame finish Dark gray (approximates PANTONE® Charcoal Gray 18-0601 TPX)
Power Requirements :	Obtains power from the computer through the USB cable for Windows and Linux computers. Power consumption is less than 0.5 W (100 mA at 5V).
Computer Connection:	12 Mbps USB connection (full-speed USB 1.1 or USB 2.0) Your SMART Board 480 interactive whiteboard supports one computer connection on a primary display only.

ANNEXURE- VI
LCD Projector – Specifications

Projection System	DLP®
Native Resolution	SVGA(800 x 600)
Brightness	3,000 ANSI lumens
Contrast Ratio	13,000:1
Display Color	1.07 Billion Colors
Lens	F=2.56-2.8, f=21-23.1mm
Aspect Ratio	Native 4:3 (5 aspect ratio selectable)
Throw Ratio	1.86-2.04 (53" @ 2m)
Image Size Diagonal	30"~300"
Zoom Ratio	1.1:1
Lamp Type	190W
Normal/Eco/SmartEco/	4500/6000/6500/10000 hours
SmartEco Lamp Care)	1D, Vertical +/- 40 degrees
Keystone Adjustment	120% ±5%
Projection Offset	VGA(640 x 480) to UXGA(1600 x 1200)

Resolution Support	31~102KHz
Horizontal Frequency	23~120Hz
Vertical Scan Rate	HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Compatibility	Video Compatibility: NTSC, PAL, SECAM
Interface	Computer in (D-sub 15pin) x 2 (Share with component)
	Monitor out (D-sub 15pin) x 1
	Composite Video in (RCA) x 1
	S-Video in (Mini DIN 4pin) x 1
	Audio in (Mini Jack) x 1
	Audio out (Mini Jack) x 1
	Speaker 2W x 1
	USB (Type mini B) x 1 (Download & UBS display)
	RS232 (DB-9pin) x 1
	IR Receiver x 1 (Front)
Dimensions (WxHxD)	11.1" x 3.7" x 8.7" (w/ feet)
Weight	3.96lbs (1.8kg)
Power Supply	AC100 to 240 V, 50 to 60 Hz
Power Consumption	270W(Normal), 220W (Eco), Standby<0.5W"
Audible Noise	33/28 dBA (Normal/Economic mode)
On-Screen Display Languages	28 Languages
Picture Mode	Dynamic/Presentation/sRGB/Cinema/User 1/User 2
Accessories (Standard)	Remote Control w/ Battery, Power Cord, Quick Start Guide, Warranty Card, VGA Cable
Accessories (Standard)	Ceiling Mounting Kit
Warranty	1 Year Parts & Labour / 1 Year or 2000 Hours of Lamp Life

ANNEXURE-VII
Desktop PC – Specifications

1	Processor	Intel Core i3 or above
2	Chipset	Intel H81 Chipset or better
3	Motherboard	Motherboard make from the same Desktop OEM (OEM Logo sticker in the motherboard will not accepted)
4	Memory	4GB (1x4GB) 1600MHz DDR3
5	Expandable to	Memory Expandable up to 16 GB DDR3-1600 MHz or higher with 2 DIMM slots
6	Hard Disk	1 TB Serial ATA (7.200 Rpm) Hard Drive
7	Monitor	19.5" (49.40 cm) with maximum resolution of 1600 x 900 or Higher TFT monitor. with Connectivity option for VGA and DVI-D (HDCP)
8	Ethernet	Integrated Gigabit (10/100/1000) Ethernet
9	Mouse	2 Button USB Optical Scroll Mouse (Same OEM make/brand as system)
10	Keyboard	104 Keys USB keyboard (Same OEM make/brand as system)
11	Optical Drive	Internal SATA DVD R/W Drive
12	Graphics	Integrated Intel HD Graphics

13	Audio	Internal audio connector
14	I/O Ports	1 Serial
		8 or more USB
		1 Ethernet (RJ45)
		1 VGA out and 1 display port
		1 Stereo line in/out
		1 Microphone Line in
		1 Headphone (front)
15	Expansion Slots	1 No. PCIex16, 2 Nos. PCIx, 1 no PCI or better
16	Security	Memory Change Alert through BIOS in Windows environment and on Management Console. Serial, USB & Network Enable/Disable Port Control, Power-On Password, Security cable-lock option to lock both PC and Monitor. Trusted Platform Module (TPM) 1.2 or Higher
17	Power Supply	260-300 W power supply
18	Bays	1 internal 3.5" and 1 external 5.25"
19	Form Factor	Tower not more than 9 Liters in volume with Chassis Intrusion Switch.
20	Operating System	Win 8 pro 64/32 bit downgradeable to Win 7 pro 64/32 bit
21	Compliance/ Certification	For OEM: ISO 9001 and 14001.For quoted model : UL,FCC ,EPEAT GOLD (for both PC and the monitor) & ENERGY STAR 5.2
22	Warranty	3 years On-site Comprehensive OEM Warranty

ANNEXURE-VIII
Lectern – Specifications

1	Lectern	1 Nos
2	Speakers	60 W
3	Mike	1 No Goose Neck
4	Lamp	1 No Goose Neck
5	VHF	2 Nos

ANNEXURE-IX
Desk top Visualizer – Specifications

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/m ²)	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	5°C to 35°C
Operating humidity	20% to 80% RH
OTHER	
Windows OS compatibility	Windows 8.1/ 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
Warranty	One year