



## NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM

### INVITATION OF TENDERS/BIDS

Ravangla Campus, Barfung, South Sikkim 77139

[www.nitsikkim.ac.in/](http://www.nitsikkim.ac.in/)

Tender No: 12/NITS /ADMN/ICTI Purchase/2015-16/Tender-01, Date: 31.05.2016

### SUPPLY & INSTALLATION OF PROJECTORS, PRINTERS AND PROJECTOR SCREEN AT NIT SIKKIM

TENDER SUMMARY	
<b>Bid System</b>	Single Bid
<b>Closing Date &amp; Time for submission of bid</b>	25.06.2016 :5 pm
<b>Opening Date &amp; Time of bid (TENTATIVE)</b>	26.06.2016 : 11 am
<b>Bid should be addressed to</b>	<b>FIICTI,</b> National Institute of Technology Sikkim Ravangla Campus, Barfung Block, South Sikkim 737139.
<b>Place of opening of bid</b>	Conference Hall, National Institute of Technology Sikkim, Ravangla Campus, Barfung, South Sikkim, 737139
<b>Earnest Money Deposit (EMD)</b>	Rs.10,000/- (Ten Thousand Rupees only/-) in the form of a Demand Draft drawn in favour of "DIRECTOR, NIT Sikkim" payable at Ravangla, South Sikkim, and valid for a period of 45 days beyond the final bid validity period.

National Institute of Technology (NIT) Sikkim, Ravangla, South Sikkim invites sealed tenders from reputed manufacturers or their authorized Indian Agents/representatives, on the terms and conditions as per tender document, for procurement of following item(s):

Sl. No.	Brief description of Items	Quantity	Installation required, if any	Place of Delivery
1	Projector (detailed specification attach at Annexure-A)	4 Set	Yes	NIT Sikkim
2	Wall mount self lock projector screen (detailed specification attach at Annexure-A)	3 Set	Yes	
3	All in One Printer (detailed specification attach at Annexure-B)	10 Set	NA	

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/ instructions herein. Noncompliance with specifications/ instructions in this document may disqualify the bidders from the tender process.

The Institute reserves the right to accept or reject any quotations or to select the item or to reject the bidding process or any quotation wholly or partly without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

## Instructions to Bidders

1. The respective EMD as per items mentioned above and Tender fee should be enclosed in the form of A/C payee DD in favours of “**Director, NIT Sikkim**”. If the successful bidder fails to supply the goods/equipments within stipulated time, then the EMD may be forfeited.
2. The bid should include the cost of main equipment/item and its accessories (if any). If there is any separate cost for installation, warranty extension etc. that should be quoted. **The bidder should also mention the make and model number of the items.**
3. The Final Prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery and commissioning etc. at the destination site (NIT Sikkim, Ravangla, Sikkim). **Nothing extra shall be paid on any account. E Cess payable to Govt of Sikkim should be quoted in the Bid at the rate of 1% of the value. If e cess is not quoted separately it shall be assumed that the price quoted includes E cess.**
4. The printed literature and catalogue/brochure giving full technical details should be included to verify the specifications quoted in the tender. The final amount should be in figures as well as in words. If there are overwriting, they should be duly initialled, failing which the bids are liable to be rejected. No alternate price will be entertained in the quotation.
5. The quotations shall be submitted in a sealed envelope duly marked “Tender reference no: 12/NITS /ADMN/ICTI-purchase/2015-16/Tender-01, Date: 31.05.2016” due on 25.06.2016 on the corner of the envelope along with the full address and contact details of the bidder.
6. All tender documents should have to be sent through courier, speed post or registered post only or may be dropped in the tender box at NIT Sikkim. Since, NIT Sikkim is located in a remote location, even through speed post it may take seven days. Therefore, bidders are suggested to send the quotation well in advance or by hand.
7. Quotation received after the closing date/time will not be considered.
8. The supplier/firm must be either original equipment manufacturer (OEM) or authorized dealer/sole distributor of quoted items, the certificate to this effect must be attached.
9. The quantity shown against the item is tentative and may vary as per dynamic requirement of the Institute.
10. In the event of any dispute or difference(s) between the vender Institute (NIT Sikkim) and the vendor(s) arising out of non-supply of material or supplies not found according to specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to “The Director, NIT Sikkim”, Sikkim who may decide the matter himself.
11. All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the tenderer shall be summarily rejected.
12. Successful bidder shall have to deposit a performance security of 10% for the period of 1 year after the P.O. is endorsed to the suppliers. The Performance security can be in the form of a Commercial bank Guarantee or Retention money deducted from the gross payment to the supplier.
13. The bid will be opened on **26.06.2016**. The bidders or their authorized representative may also be present during the opening of the Technical Bid, if they desire so, at their own expenses. In exceptional situation, an authorized committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract.
14. **Clarifications:** Normally, pre-bid enquiries will not be entertained. However, in case the bidder requires any clarification regarding the tender documents, they are requested to contact Dr. Pratyay Kuila, Assistant Professor, NIT Sikkim (e-mail: [pratyay\\_kuila@nitsikkim.ac.in](mailto:pratyay_kuila@nitsikkim.ac.in)) on or before **23.06.2016**.
15. **Pre – Qualification Criteria:**
  - a. Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed.
  - b. An undertaking from the OEM is required stating that they would facilitate the bidder on a

regular basis with technology/product updates and extend support for the warranty as well. In case of proprietary items, suitable declaration documents from the manufacturer to be submitted.

16. **Evaluation** : The bids for various items shall be evaluated individually and partial orders may be placed as per the discretion of the institute.
17. **Validity**: The bid should be valid for acceptance for a period of 60 Days. The Bidders should be ready to extend the validity, if required.
18. **Delivery**: The Equipment should be delivered and installed within the period as specified in the purchase order and be ready for use within 4 weeks of the issue of purchase order unless otherwise prescribed.
19. **Liquidated Damage**: If the bidder fails to deliver and place any or all the Equipment or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.
20. **Warranty**: The period for which the warranty shall be inforce should be mentioned by the bidder exclusively. Bidders must give the comprehensive onsite warranty as required from the date of successful installation of Equipment against any manufacturing defects and also give the warranty declaration that *“everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification, as specified in the tender document.”*

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at their own cost.

**FIICTI**  
National Institute of Technology Sikkim  
Ravangla Campus, Barfung Block,  
South Sikkim 737139.

**Annexure A**

**I) CLASS ROOM Projector specification**

<b>SL</b>	<b>Item</b>	<b>Description</b>
1	Projection Technology	3LCD, 3 chip technology
2	Resolution	XGA - 1024 x 768
3	White Light Output	4,000 ANSI lumens
4	Color Light Output	4,000 ANSI lumens
5	Colors	16.7 million colors
6	Aspect Ratio	Native 4:3 and 16:9 / 16:10 compatible
7	Contrast Ratio	3000 : 1 (using active IRIS)
8	Throw Ratio (distance : width)	1.5 - 1.8 : 1
9	Focus Distance	36" - 454"
10	Display Size	30" - 300"
11	Lens	F = 1.9 – 2.3, f = 19 - 23 mm, x 1.2 manual zoom
12	Lamp Wattage	215W
13	Expected Lamp Life	Approximately 5,000 hours (standard mode) 6,000 hours (Eco mode)
14	Expected Filter Life	Approximately 5,000 hours
15	Speaker Output	16W (8W x 2)
16	Acoustic Noise Level	36 dB (29 dB in Eco mode)
17	Keystone	+/- 30° vertical only
18	Computer	VGA, SVGA, XGA, WXGA/WXGA+/SXGA/SXGA+/UXGA (compressed), MAC 16"
19	H-Sync	31.5 kHz - 106 kHz
20	V-Sync	56 Hz - 120 Hz
21	Composite Video	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
22	Component Video	480i, 480p, 576i, 720p, 1080i, 1080p
23	HDMI	480i, 480p, 576i, 720p, 1080i, 1080p, computer signal TMDS clock 27 MHz - 150 MHz
24	Digital Input	HDMI x 1 (HDCP compliant)
25	Computer Input 1	15-pin mini D-sub x 1
26	Computer Input 2	15-pin mini D-sub x 1
27	Computer Monitor Output	15-pin mini D-sub x 1
28	S-Video	Mini DIN 4-pin x 1
29	Composite Video	RCA jack x 1
30	Component Video	15-pin mini D-sub x 2 (shared with computer in 1/2)
31	Audio Input	3.5 mm stereo mini jack x 2, RCA jack (L/R) x 1, MIC-in 3.5 mm mini jack x 1
32	Audio Output	RCA jack (L/R) x 1
33	Network LAN Wired	RJ-45 port (10 base-T / 100 base-TX)
34	Network LAN Wireless	USB-A, IEEE802.11 b/g/n – <b>With wireless adapter installed</b>
35	USB	Type A x 2 (PC-less presentation, wireless adapter) Type B x 1 (USB display or mouse control)
36	Control Terminals	9-pin D-sub x 1 (RS-232 control)
37	Power Supply	AC100-120V / AC220-240V, 50/60Hz
38	Power Consumption	310W

39	Operating Temperature	40°F - 95°F (5°C - 35°C)
40	Dimensions (W x D x H)	12.5" x 11.3" x 3.9" (excluding protruding parts)
41	Weight	Approximately 7.9 lbs.
42	Approvals	UL 60950-1 / cUL FCC Part 15 subpart B class B
43	Ceiling mount kit	Inclusive
44	Warranty	1 year

## II) Wall Mount Self Lock Projector Screen

SL	Item	Description
1	Screen Size	6' x 8'
2	Aspect Ratio	4:03
3	Dimension	120 degree Diagonal
4	Screen Type	Self Lock opening
5	Warranty	1 Year

## Annexure B

<b>Technical specification for Printer</b>	
<b>All in One functions</b>	Print, scan, copy and fax; AiO multitasking supported: Yes (e.g., <b>HP LaserJet Pro MFP M226dw</b> )
<i><b>Print</b></i>	
<b>Duplex print options</b>	Automatic (standard)
<b>Print speed</b>	Normal, A4: Up to 25 ppm; Normal, letter: Up to 26 ppm; Duplex (A4): Up to 15 ipm; Duplex (letter): Up to 16 ipm
<b>First page out</b>	A4/letter, ready: As fast as 8 sec
<b>Print resolution</b>	Black (best): Up to 600 x 600 dpi; Black (normal): Up to 600 x 600 dpi
<b>Print technology</b>	Laser
<b>Mobile printing capability</b>	ePrint, Apple AirPrint™, Mopria-certified, Wireless direct printing
<b>Standard print languages</b>	PCL5c, PCL6, PS, PCLm, PDF
<b>Printer management</b>	Windows: Device Toolbox, Status Alerts (default install), SNP Alerts (minimum network install), Web Jetadmin (download); Scan; Scan to Email Wizard; Scan to Network Folder Wizard; Fax setup Wizard; Send Fax; LockSmith; FMS; RM; Mac: Utility
<i><b>Scan</b></i>	
<b>Scan type/technology</b>	Type: Flatbed, ADF; Technology: Contact Image Sensor (CIS)
<b>Scan speed</b>	Normal, A4: Up to 14 ppm (b&w), up to 5 ppm (colour)
<b>Scan resolution</b>	Hardware: Up to 300 x 300 dpi (colour and mono, ADF); Up to 600 x 600 dpi (colour, flatbed) Up to 1200 x 1200 dpi (mono, flatbed) Optical: Up to 300 dpi (colour and mono, ADF); Up to 600 dpi (colour, Up to 1200 dpi (mono, flatbed)
<b>Scan format</b>	JPEG, PDF, PNG
<b>Scan input modes</b>	Windows: Front control panel, Scanning via . LaserJet Scan; Macintosh: Director or TWAIN-compliant or WIA-compliant software
<b>Scan size maximum</b>	Flatbed: 216 x 356 mm (8.5 x 14 in)
<b>Bit depth/ Grayscale levels</b>	Bit Depth: 24-bit; Grayscale: 256
<i><b>Copy</b></i>	
<b>Copy speed</b>	Normal, A4: Up to 25 cpm black; Normal, letter: Up to 26 cpm black
<b>Copy resolution</b>	Black (text): Up to 600 x 600 dpi; Black (graphics): Up to 600 x 600 dpi
<b>Max no of copies</b>	Up to 99 copies
<b>Copier resize</b>	25 to 400%
<b>Copier settings</b>	Up to 99 multiple copies; Collation; Reduce/Enlarge from 25% to 400%; Contrast (Lighter/Darker); Resolution (Copy quality); ID copy; Copy optimization; Auto Select Copy Mode; Manual duplex
<i><b>Fax</b></i>	
<b>Fax speed</b>	3 sec per page
<b>Fax speed dialing (max numbers)</b>	Up to 120 numbers (119 group dials)
<b>Fax resolution</b>	Black (standard): 203 x 98 dpi; Black and white (fine) 204 x 196 dpi; Black Photo Grayscale: 300 x 300 dpi (halftone enabled); Black and white (Superfine)300 x 300 dpi (no halftone)
<b>Fax features</b>	Auto fax reduction supported: Yes; Auto-Redialing: Yes; Fax delayed sending: Yes; Distinctive ring detection supported: Yes; Fax forwarding supported: Yes; Junk barrier supported: Yes; Maximum

	speed dialing numbers: Up to 120 numbers (119 group dials); PC interface supported: Yes
<b>Connectivity</b>	
<b>Standard connectivity</b>	Hi-Speed USB 2.0 port (host/device); built-in Fast Ethernet 10/100Base-TX network port; Phone line port (in/out), <b>Easy-access USB port</b>
<b>Network ready</b>	Standard (built-in Ethernet, WiFi 802.11b/g/n), <b>Built-in wireless networking</b>
<b>Network capabilities</b>	10/100 Ethernet
<b>Wireless capability</b>	Yes, built-in WiFi 802.11b/g/n
<b>Memory</b>	256 MB
<b>Digital sending features</b>	Scan to email; Scan to network folder
<b>Processor speed</b>	600 MHz
<b>Duty cycle (monthly)</b>	Up to 8,000 pages; Recommended monthly page volume: 500 to 2,000 pages
<b>Paper handling</b>	
<b>Input</b>	250-sheet input tray, 10-sheet priority tray, 35-sheet Automatic Document Feeder (ADF)
<b>Output</b>	100-sheet output bin
<b>Media type</b>	Paper (heavy, letterhead, light, plain, pre-printed, pre-punched, recycled, rough), envelopes, transparencies, labels, postcards
<b>Media weight</b>	60 to 163 g/m <sup>2</sup> (16 to 43 lb)
<b>Media sizes (duplex)</b>	A4 (Letter; Legal)
<b>Media sizes custom</b>	Priority Tray: 76 x 127 to 216 x 356 mm; 250-sheet Tray 2: 76 x 187 to 216 x 356 mm
<b>Dimensions (W x D x H)</b>	442.5 x 288.7 x 371.3 mm (17.42 x 11.37 x 14.6 in)
<b>Weight</b>	Max: 442.5 x 407.7 x 371.3 mm (17.42 x 16.05 x 14.6 in)
<b>What's in the box</b>	Printer; Introductory LaserJet Black Print Cartridge (~1,500 pages); CDs containing device software and electronic User's Guide; Installation Guide, <b>flyer</b> ; Support Power cord(s); Telecom cable; USB cable (where applicable); Fax cable
<b>Warranty features</b>	3 years onsite standard warranty
<b>Systems</b>	
<b>Compatible operating systems</b>	Full software installs supported on: Windows 8.1 (32 & 64-bit), Windows 8 (32 & 64-bit), Windows 7 (32 & 64-bit), Windows Vista (32 & 64-bit), Windows XP (32-bit) (SP2 or higher); Driver only installs (by CD) supported on: Windows Server 2008 (32 & 64-bit), Windows Server 2003 (32-bit) (SP1 or higher), Windows Server 2003 R2 (32-bit), Windows Server 2008 R2 (64-bit); Driver only installs (by APW) supported on: Windows 8.1 (32 & 64-bit); Windows 8 (32 & 64-bit), Windows 7 (32 & 64-bit), Windows Vista (32 & 64-bit), Windows XP (32 & 64-bit) (SP2 or higher), Windows Server 2012 R2 (64-bit), Windows Server 2012 (64-bit), Windows Server 2008 R2 (SP1) (64-bit), Windows Server 2008 (32 & 64-bit), Windows Server 2003 R2 (32 & 64-bit), Windows Server 2003 (32 & 64-bit) (SP1 or higher), Windows Server 2003 Standard and Enterprise; Mac OS X Lion, OS X Mountain Lion, and Mavericks; For Linux/Unix support, please refer to: <a href="http://.lipopensource.com/.lip-web/index.html">.lipopensource.com/.lip-web/index.html</a>

<b>Minimum system requirements</b>	PC: Windows 8.1 (32 & 64-bit), Windows 8 (32 & 64-bit), Windows 7 (32 & 64-bit), Windows Vista (32 & 64-bit), Windows Server 2008 (32 & 64-bit), Windows Server 2008 R2 (32 & 64-bit): 1 GHz 32-bit (x86) or 64-bit (x64) processor, 1 GB RAM (32-bit) or 2 GB RAM (64-bit), 400 MB free hard disk space, CD/DVD-ROM or Internet, USB or Network port; Windows XP (32-bit) (SP2 or higher): Pentium® 233 MHz processor, 512 MB RAM 400 MB free hard disk space, CD/DVD-ROM or Internet, USB or Network port; Windows Server 2003 (32-bit) (SP1 or higher), Windows Server 2003 R2 (32-bit): 1 GHz (32-bit) (x86) processor, 1 GB RAM (32-bit), 400 MB free hard disk space, CD/DVD-ROM or Internet, USB or Network port; Mac: OS X v 10.7 Lion; OS X v 10.8 Mountain Lion; OS X v 10.9 Mavericks; 1 GB available hard disk; Internet; USB
<b>Environmental ranges</b>	Operating temperature range: 15 to 32.5° C (59 to 90.5° F); Recommended operating temperature: 17.5 to 25° C (62.6 to 77° F); Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH
<b>Acoustic</b>	Acoustic power emissions: 6.4 B(A); Acoustic Power Emissions (ready): Inaudible; Acoustic pressure emissions: 50 dB(A); Acoustic pressure emissions bystander (ready): Inaudible
<b>Power</b>	Power supply required: 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz), 5.4 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz), 2.9 A (Not dual voltage, power supply varies by part number with # Option code (Identifier) Power consumption: 470 watts (Active, Printing), 4.5 watts (Ready), 0.1 watts(auto-off)0.1 watt(Manual-off)
<b>Display</b>	<b>3.0" touch screen, LCD (colour graphics)</b>