

# Limited Tender For Electronics and Computer Items at NIT SIKKIM

Tender No: NITS/FICCE/Admin/Purchase/2014-15/01

Tender Floating Date: 07/06/2014

Last Date of submission: 23/06/2014 till 3:00 PM

Date of Opening: 24/06/2014

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

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National Institute of Technology (NIT) Sikkim, Ravangla, South Sikkim – 737 139, invites tender for supply and Installation of Electronics and Computer Items at NIT Sikkim as per specifications given in the Annexure - 1 attached to this Tender document annexed hereto. All offers should be made in English and should be written in both figures and words. The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance 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 (in single or multiple units) or to reject the bidding process or any quotation wholly or partly without assigning any reason.

**Terms and conditions:**

1. The quotations shall be submitted in a sealed envelope duly marked “Quotation against Tender enquiry No.: NITS/FICCE/Admin/Purchase /2014-15 /01 dated 07/06/2014 Closing Date on 23/06/2014” on the corner of the envelope.
2. Photo Copy of VAT/CST Registration Certificate, Service Tax Registration Certificate, PAN Card should be enclosed.
3. The printed literature and catalogue / brochure giving full technical details may be included with the technical bid to verify the specifications quoted in the tender. The bidders may submit copies of suitable documents in support of their reputation, credentials and past performance. The rates should be quoted in figures (typed or printed) and cutting should be avoided. The final amount should be in figures as well as in words.

**The bids should be addressed to “OSD, National Institute of Technology Sikkim, Ravangla Campus, Barfung Block, South Sikkim 737139”.**

4. 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 the NIT Sikkim. All tender documents received after this specified date and time will not be considered.
5. Quotation received after closing date / time will not be considered.
6. If a supplier / firm is original equipment manufacturer (OEM)/authorized dealer/sole distributor of any item, the certificate to this effect must be attached.
7. The quantity shown against the items in Annexure –A is tentative and may vary as per dynamic requirement of the Institute.
8. In the event of any dispute or difference(s) between the vendee 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”, who may decide the matter himself.
9. The EMD of 24000/- (Twenty Four Thousand only) should be enclosed along with the technical bid. The EMD should be drawn in favour of Director NIT Sikkim in the form of demand draft. The technical bid and price should be in separate envelopes and kept in 3rd envelope which should be super scribed as “Technical and price bid for supply of Electronics and Computer Items”.

**1. Clarifications:**

In case the bidder requires any clarification regarding the tender documents, they are requested to contact Mr. Pankaj Kumar Keserwani (ficce@nitsikkim.ac.in, Mob-8967067779) at least three days (03) before closing date of the Tender.

## **2. Pre – Qualification Criteria:**

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.

## **3. Prices:**

The Prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery and commissioning etc. at destination site (NIT Sikkim, Ravangla, Sikkim). The rates shall be firm and final. Nothing extra shall be paid on any account. Way bill provided by Institute but its charge (1% of the material cost exclusive taxes and additional expenses of Rs. 2000/-) will be deducted from the payment of the supplier belonging to out of the Sikkim state.

## **4. Validity:**

The bid should be valid for acceptance for a period of at least sixty (60) days. The Bidders should be ready to extend the validity, if required.

## **5. Delivery:**

The Equipment should be delivered and installed within the period as specified in the purchase order and be ready for use within Fifteen (15) weeks of the issue of purchase order unless otherwise prescribed.

## **8. 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.

## **9. Warranty**

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 and shall be complete enough to carry out the experiments, 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.

An amount equal to 10% of the total cost of instruments shall be kept as “performance guarantee” three months beyond warranty period in the form of FD/PBG.

## **10. Cancellation of Tender**

The NIT Sikkim reserves the right to cancel this tender partly or fully any time without assigning any reason, thereof. This tender document is being issued by the undersigned with the approval of the competent authority of the NIT Sikkim.

## **OSD**

**National Institute of Technology Sikkim**

**Ravangla Campus, Barfung Block, South Sikkim 737139.**

**BILL OF QUANTITY**

SL	Item	Description	Qty	Uo M	Unit Price	Amount	Tax	Total with Tax
1	Laptop RAM	4GB RAM for HP Probook 4441s	6	Nos				
2	Laptop RAM	4GB RAM for HP Probook 4440s	12	Nos				
3	Projector	Ultra Light Weight Projector (as per Annexure-A , Serial no.1)	1	Nos				
4	Projector	Ceiling Mountable Projector for MP Hall (as per Annexure-A , Serial no. 6)	1	Nos				
5	Projector	Ceiling Mountable Projector for Class Room (as per Annexure-A , Serial no.2)	4	Nos				
6	Projector Screen	Wall Mount Self Lock Projector Screen (as per Annexure-A , Serial no.3)	5	Nos				
7	Printer	All-in One A4 Size Network Duplex Printer (as per Annexure-A , Serial no.4)	1	Nos				
8	Tablet PC	TAB with Digitizer/Pen (as per Annexure-A , Serial no.5)	1	Nos				
9	Installation	Installation Charges of all the items ( SL no. 1 to 8 ) inclusive of supply of required accessories/items at NIT Sikkim Campus WITH 1 year onsite Service Support	1	Job				
<b>TOTAL (inclusive of all Taxes):</b>								

**ANNEXURE –A (TECHNICAL SPECIFICATION)**

**1. ULTRA LIGHT WEIGHT PROJECTOR**

SL	Item	Description	Compliance
1	Display Panel	0.3" DMD	
2	Resolution	Native FWVGA (854 x 480), Maximum WXGA (1280 x 800)	
3	Aspect Ratio	16:9 (native), 4:3	
4	Contrast Ratio	1000:01:00	
5	Brightness	100 ANSI Lumens (standard), 75 ANSI lumens (ECC)	
6	Lamp Life	20000 hours	
7	Projection Lens	F = 1.87, f = 11.00 mm Manual focus	
8	Noise Level	30 dBA (Standard), 24 dBA (ECO)	
9	Input Interface	USB (3.0, Micro-B) x 1	
10	Dimensions	120 x 82 x 25.7 mm (4.7" x 3.2" x 1.0")	
11	Weight	180 g (6.34 oz.)	
12	Support OS	Windows 8 / Windows 7 / Vista & XP	
13	Warranty	On Projector - 2 Years Carry-in	
14	Lamp Warranty	1 Year	

## 2. CLASS ROOM PROJECTOR

SL	Item	Description	Compliance
1	Projection Technology	3LCD, 3 chip technology	
2	Resolution	XGA - 1024 x 768	
3	White Light Output	4,000 ANSI lumens	
4	Colour Light Output	4,000 ANSI lumens	
5	Colours	16.7 million colours	
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 / UL FCC Part 15 subpart B class B	
43	Ceiling mount kit	Inclusive	
44	Warranty	3 years	

### 3. Wall Mount Self Lock Projector Screen

SL	Item	Description	Compliance
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	

### 4. All-in One A4 Size Network Duplex Printer

SL	Item	Description	Compliance
1	Functions	Print, Copy, Scan, Fax, Walk-up USB	
2	Print Speed	Up to 35 ppm	
3	Memory	256 MB	
4	Processor Speed	800 MHz	
5	Duplex Print	Automatic (Standard)	
6	Print Resolution	Up to 600x600x2 dpi	
7	Scan Resolution	Up to 1200 x 1200 dpi (monochrome), Up to 600 x 600 dpi (Color)	
8	Copy Resolution	Up to 600 x 600 dpi	
9	Fax Resolution	300 x 300 dpi	
10	Duty Cycle	Up to 50000 pages	
11	Standard Connectivity	1 Hi-Speed USB 2.0, 1 Host USB, 1 10/100/1000 Base-TX Network	
12	Warranty	1 Year	

### 5. TABLET PC

SL	Item	Description	Compliance
1	PROCESSOR	Intel® Atom Processor Z2760, Dual-core, four-thread, up to 1.80 GHz processor	
2	DISPLAY	10.1 inch (16:9) IPS, LED Backlight, anti-glare, 5-finger multi-touch	
3	INTEGRATED GRAPHICS	Intel Integrated HD SGX545 GFx, (12 bit, 1080P Video @30fs, DX9)	
4	HDD	32GB (e-MMC)	
5	RESOLUTION	HD WXGA (1366x768) (720p)	
6	MEMORY	2GB LPDD2 SDRAM	
7	OPERATING SYSTEM	Windows 8 Professional (32-bit)	
8	WLAN	802.11 a/b/g/n	
9	PORTS	USB 2.0, Mini HDMI, MicroSD Slot, Docking Connector, 3.5mm Mic/Headphone Combo	
10	CAMERA	Front: 2MP, 720P HD Webcam with LED Rear: 8MP, Auto Focus with LED Flash	
11	WEIGHT	Maximum 600g.	
12	DIGITIZER / PEN	Yes	
13	Warranty	1 Year	

### 6. PROJECTOR

SL	Item	Description	Compliance
1	Projection Technology	3LCD, 3 chip technology	

2	Resolution	XGA 1024 x 768	
3	White Light Output	7,000 ANSI lumens	
4	Color Light Output	7,000 ANSI lumens	
5	Colors	16.7 million colors	
6	Aspect Ratio	Native 4:3 / 16:9 and 16:10 compatible	
7	Contrast Ratio	3000 : 1 (using active IRIS)	
8	Throw Ratio	1.5 - 3.0:1 (with standard lens)	
9	Lens	F = 1.6 - 2.9, f = 24 - 48 mm	
10		x 2.0 motorized zoom, focus & lens shift	
11	Lamp Wattage	365W	
12	Expected Lamp Life*	Approximately 2,000 hours (standard mode)2,500 hours (Eco mode)	
13	Expected Filter Life**	Approximately 20,000 hours	
14	Speaker Output	N/A	
15	Acoustic Noise Level	39 dB (33 dB in Eco mode)	
16	Keystone	H and V: +/- 35° with standard lens	
17	Computer	VGA, SVGA, XGA, WXGA/WXGA+/SXGA/SXGA+/UXGA (compressed), MAC 16"	
18	H-Sync	31.5 kHz - 106 kHz	
19	V-Sync	56 Hz - 120 Hz	
20	Composite Video	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM	
21	Component Video	480i, 480p, 576i, 720p, 1080i, 1080p	
22	HDMI	480i, 480p, 576i, 720p, 1080i, 1080p, Computer signal TMDS Clock 27 MHz - 150 MHz	
23	Digital Input	HDMI x 2 (HDCP compliant)	
24	Computer Input 1	15-pin mini D-sub x 1	
25	Computer Input 2	BNC x 5	
26	Computer Monitor Output	15-pin mini D-sub x 1	
27	S-Video	Mini DIN 4-pin x 1	
28	Composite Video	RCA jack x 1	
29	Component Video	RCA jack x 3, 15-pin mini D-sub x 1 (shared with computer In 1)	
30	Audio Input	3.5 mm stereo mini jack x 2, RCA jack (L/R) x 1	
31	Audio Output	RCA jack (L/R) x 1	
32	Network LAN Wired	RJ-45 port (100 base-T / 100 base-TX)	
33	Network LAN Wireless	USB-A, IEEE802.11 b/g/n - optional wireless adapter required	
34	USB	Type A x 2 (PC-less presentation, wireless adapter, TB-1)Type B x 1 (USB display or mouse control)	
35	Wired Remote Control	3.5 mm stereo mini jack (IN/OUT)	
36	Control Terminals	9-pin D-sub x 1 (RS-232 control)	
37	Power Supply	AC100-120V / AC220-240V, 50/60Hz	
38	Power Consumption	500W	
39	Operating Temperature	32°F - 113°F (0°C - 45°C)	
40	Weight	approx. 19.4 lbs. or less	
41	Warranty	3 year limited parts and labor	