

**Office of the Dean Research and Development Indian Institute of Engineering Science
& Technology (IEST), Shibpur, Howrah-711 103**

Project Code: DRC/DST/IT/IB/020/16-17

**Department of Information Technology Indian Institute of Engineering Science and
Technology, Shibpur, Howrah - 711103**

**Ref.: Tender Advt. No. IT 1222 (dt. 04.11.2016), published in the "Bartmaan", dated
08.11.2016**

Notice Inviting Quotations

Sealed quotations are invited for the supply of (i) Computer work station, (ii) Computer Monitor (iii) Desktop Computer, (iv) All in one printer (v) Laptop Computer (vi) Windows office (vii) Windows OS and (viii) AC Unit as per the following technical specification. The relevant bidding document can be downloaded from the website. For any clarification may contact: Dr. Indrajit Banerjee, between **10.30 a.m.** and **4.00 p.m.** on all working days. Last date of submission of sealed quotation is **28th November 2016** by **04.00 p.m.**

Dean (R & D)

(A. Code DRC-T060/16-17)

Indian Institute of Engineering Science and Technology,
Shibpur, Howrah – 711103



BIDDING DOCUMENT

(Project Code: DRC/DST/IT/IB/20/2016-2017)

Ref.: Tender Advt. No. IT 1222 (dt. 04.11.2016)

For Supply of

- (i) Computer work station, (ii) Computer Monitor (iii) Desktop Computer, (iv) All in one printer (v) Laptop computer (vi) Windows Office (vii) Windows OS and (viii) AC Unit

Under DST-WTI Project Scheme Govt. of India

Department of Information Technology

SECTION I: TERMS & CONDITIONS AND IMPORTANT INSTRUCTIONS FOR BIDDERS

1. Bidders are to invited to submit sealed quotation as per the technical specifications for tendered item to office of the Information Technology Department, on any working day between 11 A.M. to 4.30 P.M. except Saturday, Sunday and other public holidays.
2. The last date of receipt of tenders is **28th ~~October~~, November 2016** up to **04.00 P.M.** at the office of the Department of Information Technology. Quotations received later will not be entertained under any circumstances.
3. Date and time of opening of bid is **29th ~~October~~, November, 2016** at **04.00 P.M.** and the place of opening of bid is in the Meeting Room of the Department of Information Technology, IEST, Shibpur, Howrah-711103.
4. Bidders are to submit the quotations in Sealed Cover, mentioning the following address:

Dr. Indrajit Banerjee
Department of Information Technology
Indian Institute of Engineering Science and Technology, Shibpur,
Howrah – 711103, India

Quotation must be submitted to **the office of the Information Technology Department, IEST, Shibpur.**

5. The price quoted should be inclusive of all Taxes, duties and levies at the premises of the Information Technology Department. All Taxes, Freight, Insurance charges etc. should be clearly indicated. Inclusion of Tax/Levy or any other charges at a later stage will not be accepted. At the end, the total price of a single item must be indicated as: **TOTAL PRICE: Rs. *** ONLY, INCLUDING ALL.**
6. The items must be supplied within a period of one month after the receipt of the Purchase Order. Installation, if applicable, must be completed by six weeks after the receipt of the Purchase Order.
7. If the supply is not completed within the stipulated period as indicated in the Work Order, a Liquidated Damage @ ½ per cent per week will be imposed subject to maximum of 5% of the value of work order.
8. For Indian purchase (This clause is applicable only for Indian purchase and not applicable for foreign purchase):

Bills in triplicate should be presented for payment within 15 days of Supply / Completion of work. No Advance Payment can be made. All bills are to be accompanied by Order copies and Challan Receipt. The Order Number is to be noted on both the Challan and the Bill.

9. Documents to be submitted with the tender:

Tender Documents/Terms & Conditions in Original duly signed by the Proprietor / Partner/ Director of the Company as a token of acceptance of Terms & Conditions of Tender.

10. Customs Duty & Excise Duty

- The Institute will not issue any C or D form availing of concessional Sales Tax/ VAT.
- The Institute will issue Customs Duty Exemption Certificate or Excise Duty Exemption Certificate for foreign purchase, if required.

11. Indian Institute of Engineering Science and Technology, Shibpur, Howrah reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever.

We accept the above terms and conditions.

Signature of Bidders/Suppliers

Dated:

With date & Seal

SECTION II: TECHNICAL SPECIFICATIONS

Item 1: Work station

Numbers required: One

Specification: HP Z238 Micro tower Workstation OR Equivalent

OS

Operating system Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64)

PROCESSOR

Processor speed 3.4 GHz

Chipset Intel® C236

Processor Intel® Core™ i7-6700 with Intel HD Graphics 530 (3.4 GHz, up to 4 GHz with Intel Turbo Boost, 8 MB cache, 4 cores)

MEMORY

Memory, standard 8 GB DDR4-2133 non-ECC unbuffered SDRAM (2 x 4 GB)

STORAGE

Hard drive description 1 TB 7200 rpm SATA

CONNECTIVITY

Network interface Integrated Intel® I219LM PCIe GbE

Expansion slots 1 PCIe Gen3 x16; 1 PCIe Gen3 x1; 1 PCIe Gen3 x4 (x4 connector); 1 PCIe Gen3 x4 (x16 connector)

GRAPHICS

Graphics Integrated

Graphics Intel® HD Graphics 530

INPUT

Keyboard HP USB Business Slim Keyboard

Pointing device HP USB Optical Mouse

MACHINE DIMENSIONS & WEIGHT

Weight Starting at 6.42 kg

Minimum dimensions (W x D x H) 165 x 356 x 355 mm

OPTICAL DISK DRIVE

Optical drive Slim SATA Super Multi DVD writer

Storage controller Integrated SATA (4 ports 6 Gb/s) with RAID 0 (striped array) and RAID 1 (mirrored array) supported on Windows operating system only. Requires identical hard drives (speeds, capacity, interface). Integrated RAID 0, 1 (data configuration) for PCIe SSDs.

PORTS/SLOTS

Ports 1 USB 3.0; 3 USB 2.0

Ports 6 USB 3.0; 3 DisplayPort 1.2; 1 serial; 2 PS/2; 1 RJ-45; 1 audio line-in; 1 audio line-out

Ports 2 USB 3.0; 2 USB 2.0; 1 headphone; 1 microphone

POWER

Power 280 W 85% efficient, wide-ranging, active PFC

WARRANTY

Warranty 3-year (3-3-3) limited warranty and service offering includes 3 years of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Item 2: Computer Monitor

Numbers required: One

Specification: HP 23vx IPS LED FHD Monitor OR Equivalent

- Screen:58.42cm (23") IPS LED
- Resolution: 1920*1080 (Full HD)
- Aspect Ratio: 16:9 (Widescreen)
- Dynamic Contrast Ratio:8m:1
- Quick Response Time: 7ms
- Static Contrast Ratio: 1000:1
- Display Panel: Antiglare
- Input Connectors: VGA/DVI-D/HDMI/HDCP

Item 3: Desktop Computer

Numbers required: Two

Specification: HP Pavilion Desktop - 510-p050in OR Equivalent

PROCESSOR

Processor	Intel® Core™ i5-6400T (2.2 GHz, up to 2.8 GHz, 6 MB cache, 4 cores)
Processor speed	2.2 GHz
Processor family	6th Generation Intel® Core™ i5 processor
Chipset	Intel H170

MEMORY

Memory and storage	1 TB HDD storage
Memory, standard	8 GB DDR4-2133 SDRAM (1 x 8 GB)
Standard memory note	Transfer rates up to 2133 MT/s

WEIGHTS

Weight	5.7 kg
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WARRANTY

Warranty	3 years Onsite Warranty
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APPEARANCE

Product color	Twinkle black
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BATTERY AND POWER

Power supply type	180 W active PFC AC power adapter
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CONNECTIVITY AND COMMUNICATIONS

Ports	4 USB 2.0; 2 USB 3.0; 1 headphone/microphone combo
Wireless	802.11b/g/n (1x1) and Bluetooth® 4.0 combo
Video connectors	1 VGA; 1 HDMI 1.4

DIMENSIONS

Minimum dimensions 32 x 16.3 x 32.3 cm (W x D x H)

DRIVES

Storage type HDD

Hard drive description 1 TB 7200 rpm SATA

Optical drive Ultra Slim-tray SuperMulti DVD burner

FEATURES GROUP 4

Feature supporting point There's no need for adapters with the full-size USB 3.0 connector. Easily connect any of your existing USB peripherals without paying extra for unnecessary dongles.

Feature headline USB 3.0 connector

Feature image name Easy access USB

Feature supporting point There's no need for adapters with the classic USB 2.0 connector. Easily connect any of your existing USB peripherals without paying extra for unnecessary dongles.

Feature headline USB 2.0 connector

GRAPHIC SUBSYSTEM

Graphics Discrete

Graphics AMD Radeon™ R5 330 (2 GB DDR3 dedicated)

LIMITED MESSAGING SCENARIOS

Overview Easily combine access to entertainment and information with multimedia performance.

MICROSOFT

MDA key selling point Windows 10 Home 64

MONITOR

monitor 21.5- inch Slim IPS FHD black Monitor

MULTIMEDIA AND INPUT DEVICES

Pointing device Wireless optical mouse

Keyboard Wireless black keyboard

Audio features DTS Studio Sound™

Memory card device 3-in-1 memory card reader

SOFTWARE AND APPLICATIONS

Software included McAfee LiveSafe™

Pre-installed software CyberLink PowerDirector; CyberLink Power Media Player; WildTangent Games for HP; Bing; Dropbox; TripAdvisor

SUPPORTED OPERATING SYSTEMS

Operating system Windows 10 Home 64

Item 4: All in one Printer

Numbers required: One

Specification: HP LaserJet Pro MFP M226dn OR Equivalent

GENERAL

Duty cycle (monthly, letter) Up to 15,000 pages

Print colours No

Functions Print, copy, scan, fax

Duty cycle (monthly, A4) Up to 15,000 pages

Print technology Laser

Recommended monthly page volume 500 to 2000

Mac compatible Yes

PRINT

Duplex printing Automatic (standard)

Print speed black (normal, A4) Up to 25 ppm

Print speed black (normal, letter) Up to 26 ppm

PROCESSOR

Processor speed 600 MHz

SCAN

Scan resolution, Up to 300 x 300 dpi (color and mono, ADF); Up to 600 x 600 dpi (color, flatbed); Up to 1200 hardware x 1200 dpi (mono, flatbed)

Scan resolution, Up to 300 dpi (color and mono, ADF); Up to 600 dpi (color, flatbed); Up to 1200 dpi (mono, optical flatbed)

Scan technology Contact Image Sensor (CIS)

Color scanning Yes

Levels of grayscale 256

Scan input modes Windows: Scanning via manufacturer LaserJet Scan; Macintosh: manufacturer Director or TWAIN-compliant or WIA-compliant software

Scan size (flatbed), 216 x 297 mm maximum

Bit depth 24-bit

PAPER HANDLING

Automatic paper sensor No

Envelope feeder No

Paper trays, maximum 1 (plus 10-sheet priority tray)

Paper trays, standard 1 (plus 10-sheet priority tray)

DISPLAY

Display 2-line LCD (text)

PAPER MEDIA

Media weight, supported 60 to 163 g/m²

MULTITASKING SUPPORTED

Multitasking supported Yes

MACHINE DIMENSIONS & WEIGHT

Package weight 14.4 kg

CABLE INCLUDED

Cable included Yes, 1 USB cable

WARRANTY

Warranty 1 Year Limited Warranty (Return to Manufacturer/Dealer - Standard Bench Repair), plus
2 Years Extended Support

MINIMUM SYSTEM REQUIREMENTS

Minimum system requirements 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 & 64bit): 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 (32bit), 400 MB free hard disk space, CD/DVD-ROM or Internet, USB or Network port.

ENVIRONMENTAL

Storage humidity 10 to 90% RH

Operating humidity range 10 to 80% RH

Operating humidity range 30 to 70% RH

Storage temperature range -20 to 40°C

Operating temperature range 15 to 32.5°C

FAX

Fax transmission speed 4.2 kbps

Fax transmission speed 3 sec per page

Fax resolution Up to 300 x 300 dpi (halftone enabled)

WHAT'S IN THE BOX

What's in the box Printer; Introductory LaserJet Black Print Cartridge (~1500 pages); CDs containing device software and electronic User's Guide; Installation Guide; Support flyer; Power cord(s); Telecom cable; USB cable; Fax cable

Item 5: Laptop computer

Numbers required: Two

Specification: HP Notebook - 15-ay503tx OR Equivalent

OS

Operating system FreeDOS 2.0

PROCESSOR

Processor Intel® Core™ i5-6200U (2.3 GHz, up to 2.8 GHz, 3 MB cache, 2 cores)

MEMORY

Memory, standard 8 GB PC4-17000 DDR4-2133 (17GB/s)

STORAGE

Hard drive description 1 TB 5400 rpm SATA

GRAPHICS

Graphics AMD Radeon™ R5 M430 Graphics (2 GB DDR3 dedicated)

OPTICAL DISK DRIVE

Optical drive SuperMulti DVD burner

DISPLAY

Display size (diagonal) 39.6 cm (15.6")

Display 15.6" diagonal HD anti-glare WLED-backlit (1920 x 1080)

CONNECTIVITY

Expansion slots 1 multi-format SD media card reader

PORTS/SLOTS

Ports 1 HDMI V1.4b; 1 headphone-Out/ Microphone-In Combojack; 2 USB 2.0; 1 USB 3.0;
1 RJ-45-NIC; Kensington Lock Slot

INPUT

Keyboard Full-size island-style keyboard with integrated numeric keypad

Pointing device Touchpad with Windows 10 multi-touch gesture support

Webcam HP TrueVision HD Camera with integrated digital microphone

AUDIO

Audio features Dual speakers; DTS Studio Sound™

POWER

Battery type 4 Cell Lithium Ion

MACHINE DIMENSIONS & WEIGHT

Minimum dimensions 0.95 x 15.12 x 10.02 inches
(W x D x H)

Weight 2.19 kg

WARRANTY

Warranty 1-year limited parts and labour

Item 6: Windows Office 2016

Number of media CD: Six

Specification:

- Office Home & Student 2016
- For 1 PC
- Fully installed versions of Word, Excel, PowerPoint, and OneNote
- Store files in the cloud with OneDrive

Item 7: Windows OS Number

of media CD: Two

Specification:

- Microsoft Windows 10 Pro 64 Bit.

Item 8: Air Conditioner

Numbers required: Two

Specification: Voltas 1.5 Ton 3 Star Split AC White OR Equivalent

Capacity: 1.5 Ton

Star Rating: 3

Features

- Dust Filter
- Auto Restart, Timer, Sleep Mode
- High EER Rotary Compressor
- Copper pipes for indoor outdoor unit connection
- Cooling Capacity: 1555 W
- Power Usage: 1555 W

Services

- 1 Year for the product warranty & 5 Years for the Compressor warranty
- Installation at extra cost (should be mentioned separately)
- 10 Days Replacement Policy