Department of Computer Science and Technology

Indian Institute of Engineering Science and Technology

Shibpur, Howrah-711103

Project Code: DRC/ITRA-MLA/CST/SDB/028/13-14

Notice Inviting Quotations

Sealed quotations are invited for the supply of two (2) Smart phones, one (1) Tab and one (1) Laptop (Notebook) as per the following technical specifications. The relevant bidding document can be downloaded from the website. Last date of submission of sealed quotation is within 7 days from the date of publication in the web site.

The sealed quotation will be opened on the next working day after the last date of submission in the meeting room of the department of Computer Science and Technology, IIEST, Shibpur.

Dean (R & D)

(A. Code DRC-T022/16-17)

Indian Institute of Engineering Science and Technology
Shibpur, Howrah-711 103

BIDDING DOCUMENT

(Project Code: DRC/ITRA-MLA/CST/SDB/028/13-14)

For Supply of

i. Smart phones (2)
ii. Tab (1)
iii. Notebook (1)

Under

ITRA Project Scheme
Govt. of India (New Delhi)

Department of Computer Science and Technology

June, 2016

SECTION I: TERMS & CONDITIONS AND IMPORTANT INSTRUCTIONS FOR BIDDERS

1. Bidders are invited to submit sealed quotation as per the technical specifications for tendered item to Prof. Sipra DasBit, Professor, Department of Computer Science and Technology, within **7 working days** from the date of publication of the advertisement on the institute website between **10.30 a.m. to 3.00 p.m**.

2. Date of opening of bid is **on the next day after the last date of submission** of sealed quotations, and the place of opening of bid is office Room of the Department of Computer Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103.

3. Bidders are to submit the quotations in Sealed Cover to the Department of Computer Science and Technology in the following address:

Prof. Sipra DasBit
Department of Computer Science and Technology
Indian Institute of Engineering Science and Technology
Shibpur, Howrah 711103, India

4. All bids should be submitted in ONEBID (TECHNOCOMMERCIAL BID) Format in covers (Enquiry Number must be mentioned on cover).
TECHNOCOMMERCIAL BID giving Detailed Specifications, International Standards (BIS/INTERNATIONAL), Catalogues, List of users & Technical Details / Operating Parameters, PreInstallation Requirements, payment terms, warranty, etc. along with PRICE BID giving full Prices in Indian Rupees (only) for
    (a) Tendered item.
    (b) Essential Accessories & Spares.

5. The price quoted should be inclusive of all Taxes, duties and levies. Inclusion of Tax/Levy at a latter stage will not be accepted. Freight, Insurance charges should be clearly indicated.

6. The materials are to be supplied at a place within IIESTS premises between 11 a.m. and 4.00 p.m. The tenderer will be responsible for any breakage, damage or defect in the equipment detected subsequently. The supply and installation of the equipment should be completed within a period not exceeding 3 months from the placement of the formal work order or opening of the LC failing which appropriate action will be taken as per university rules.

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 University will not issue any C or D form availing of concessional Sales Tax/ VAT.
- The University 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.

Dated: Signature of Bidders/Suppliers
                                                                        With date & Seal

SECTION II: <u>TECHNICAL SPECIFICATIONS</u>

(i) SPECIFICATION FOR: *Smart Phones*

NETWORK	**Technology**	<u>GSM / HSPA / LTE</u>
	2G bands	GSM 850 / 900 / 1800 / 1900 GSM 850 / 1900 - XT1644 (USA)
	3G bands	HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100 - XT1644, XT1644 (USA), XT1644 (India)
	4G bands	LTE band 1(2100), 3(1800), 7(2600), 8(900), 20(800) - XT1644 LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 12(700), 13(700), 25(1900), 26(850), 41(2500) - XT1644 (USA) LTE band 1(2100), 3(1800), 5(850), 8(900), 40(2300) - XT1644 (India)
	Speed	HSPA 42.2/5.76 Mbps, LTE Cat4 150/50 Mbps
	GPRS	Yes
	EDGE	Yes
LAUNCH	**Announced**	2016, May
	Status	Available. Released 2016, May
BODY	**Dimensions**	153 x 76.6 x 9.8 mm (6.02 x 3.02 x 0.39 in)
	Weight	155 g (5.47 oz)
	SIM	Micro-SIM
DISPLAY	**Type**	IPS LCD capacitive touchscreen, 16M colors
	Size	5.5 inches (~71.2% screen-to-body ratio)

	ReCard slotsolution	1080 x 1920 pixels (~401 ppi pixel density)
	Multitouch	Yes
	Protection	Corning Gorilla Glass 3
	OS	Android OS, v6.0.1 (Marshmallow)
	Chipset	Qualcomm MSM8952 Snapdragon 617
PLATFORM	http://www.gsmarena.com/glossary.php3?term=memory-card-slot	Quad-core 1.5 GHz Cortex-A53 & quad-core 1.2 GHz Cortex-A53
	GPU	Adreno 405
MEMORY	**Card slot**	microSD, up to 256 GB (dedicated slot)
	Internal	16 GB, 2 GB RAM or 32 GB, 3 GB RAM or 64 GB, 4 GB RAM
	Primary	16 MP, f/2.0, phase detection & laser autofocus, dual-LED (dual tone) flash
CAMERA	**Features**	Geo-tagging, touch focus, face detection, panorama, auto-HDR
	Video	1080p@30fps, HDR
	Secondary	5 MP, f/2.2, auto-HDR
	Alert types	Vibration; MP3, WAV ringtones
	Loudspeaker	Yes
SOUND	**3.5mm jack**	Yes
		- Active noise cancellation with dedicated mic
	WLAN	Wi-Fi 802.11 a/b/g/n, Wi-Fi Direct, hotspot
	Bluetooth	v4.1, A2DP, LE
COMMS	**GPS**	Yes, with A-GPS, GLONASS, BDS
	Radio	FM radio
	USB	microUSB v2.0, USB Host
	Sensors	Fingerprint, accelerometer, gyro, proximity
FEATURES	**Messaging**	SMS(threaded view), MMS, Email, Push Email, IM

	Browser	HTML5
	Java	No
		- Fast battery charging
		- MP3/AAC+/WAV/Flac player
		- MP4/H.264 player
		- Photo/video editor
		- Document viewer
BATTERY		Non-removable Li-Ion 3000 mAh battery
MISC	Colors	Black, White

(ii) SPECIFICATION FOR: Tab

STORAGE

Memory Card Slot typemicroSD	
Expandable Storage Capacity	128 GB
Internal Storage	16 *(Available user memory of the device may be lower than the stated memory due to default pre-installed apps and device OS)*

GENERAL

In The Box	1 Tablet, 1 Non Removable Battery, 1 Charger, 1 Earphone, 1 User Manual, 1 Micro Usb Cable, 1 Warranty Card.
SIM Size	3FF
3G via Dongle	No
SIM	Micro SIM, (Single Sim)
Supported Networks	2G: GSM 850, 900, 1800, 1900; 3G: WCDMA 2100, 900,1900, 850; B1(2100), 4G FDD LTE: B3(1800), B5(850), B7(2600), B8(900), B28(700); 4G TDD LTE: B40(2300)
Model ID	sm-t355yzaains
Voice Call	Yes
Processor	1.2 GHz Quad Core
Color	Smoky Titanium

MEMORY

ROM	16
RAM	2 GB

CAMERA

Video Recording	at 1280 x 720
Secondary Camera	2 Megapixels
Other Camera Features	Primary Camera: Auto Focus
Primary Camera	5 megapixels

MULTIMEDIA

Video Formats Supported	MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM
Audio Formats Supported	MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA

DISPLAY

Display Type	8 cm TFT 1280 x 720 Pixels ,16 M Colors
Other Display Features	XGA TFT Display, 8 inch, 1280 x 720 pixels

WARRANTY

Covered in Warranty	Manufacturer Product
Warranty Summary	1 Year Warranty From Manufacurer
Not Covered in Warranty	Non Manufactured Products

DIMENSIONS

Weight	320 g
Dimensions	137.9 x 208.4 x 7.5 mm

INTERNET CONNECTIVITY

4G	Yes
Pre-Installed Browser	Android
Wi-Fi	Yes, 802.11 a/b/g/n 2.4+5GHz, HT40
3G	Yes

BATTERY

Talk Time	Upto 28 hours
Internet Browsing Time	13 hrs (Wi-Fi), 11 hrs (Mobile Data Network 3G), 12 Hrs (4G)
Play Time	Video Playback Time - Upto 12 Hours, Audio Playback Time - Upto 114 Hours
Battery Type	4200 mAh

CONNECTIVITY

Other Connectivity Features	Wi-Fi Tethering, Wi-Fi Direct
Audio Jack	3.5 Headphone Jack
Bluetooth	v4.1, Supported Profiles(A2DP, AVRCP, DI, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP)
USB	Yes, Micro USB 2.0
HDMI	No

NAVIGATION

GPS	GPS, GLONASS

PLATFORM

Operating System	Android Lollipop
Sensors	Accelerometer, Hall Sensor, RGB Sensor

ADDITIONAL FEATURES

Video Playing Resolution - 1920 x 1080

(iii) SPECIFICATION FOR: Notebook

OS

Operating system	Windows 10 Home 64

PROCESSOR

Processor	Intel® Pentium® N3700 with Intel® HD Graphics (1.6 GHz, up to 2.4 GHz, 2 MB cache, 4 cores)

MEMORY

Memory, standard	4 GB DDR3L-1600 SDRAM (1 x 4 GB)

STORAGE

Hard drive	500 GB 5400 rpm SATA

description

GRAPHICS	
Graphics	Intel HD Graphics
DISPLAY	
Display size (diagonal)	11.6"
Display	11.6" diagonal HD anti-glare WLED-backlit touch screen (1366 x 768)
CONNECTIVITY	
Wireless	802.11b/g/n (1x1) and Bluetooth® 4.0 combo
Expansion slots	1 multi-format SD media card reader
Network interface	Integrated 10/100 BASE-T Ethernet LAN
PORTS/SLOTS	
Ports	2 USB 3.0; 1 USB 2.0; 1 HDMI; 1 RJ-45; 1 headphone/microphone combo
INPUT	
Pointing device	Imagepad with multi-touch gesture support
Keyboard	Full-size island-style keyboard
AUDIO	
Audio features	B&O PLAY with 2 speakers
POWER	
Battery type	2-cell, 32 Wh Li-ion prismatic
Power supply type	65 W AC power adapter
SECURITY	
Security management	Kensington MicroSaver lock slot; Power-on password; Accepts third-party security lock devices; Trusted Platform Module (TPM)
MACHINE DIMENSIONS & WEIGHT	
Weight	1.46 Kgs / 3.21 lbs
Weight	Starting at 1.46 kg
Minimum dimensions (W x D x H)	30.6 x 20.8 x 2.25 cm

TECHNICAL REQUIREMENTS:

A) The bidding companies should satisfy the following conditions and technical specifications as pre-requisites for submission of bids:

(i)   The bidder should be an Agency registered as Private or Public limited company or Proprietorship Firm or Partnership Firm.

(ii)   Firms having relevant experience of minimum three years in IT application software development, and must have independently handled at least two assignment of IT software development for a government organization.

(iii)   A bidder must have at least 3 technical employees competent in the development.

(iv)   The bidder/developer must provide technical details for future maintenance of software by IIESTS on its own. Software shall be in complete joint ownership of IIESTS and ITRA,   Govt. of India, the funding agency of the project.

B) The bidder has to furnish the following information along with the supporting / required documents as an essential part of technical bid in the sealed envelope superscripted "Technical Bid".

- The Software Development Company should forward detailed information on the following:

  1. Details of the organization, applications developed technical team size and Qualifications of key software development personnel.

  2. List of IT applications developed along with a description and list of Clients with their contact details.

  3. The minimum version that the Application can work on and compatibility with higher versions of computer system

  4. Technical details of architecture proposed, operating system, web server, application server, Database, Technology, IDE, Middle ware, dependency modules.

  5. Specification and details of minimum hardware requirement with complete specifications for middle ware / web server /application/ database server.

  6. Development and testing time frame details on manhour basis.

  7. Application source code, modules, manuals and other deliverables.

  8. The Application should have scope for future enhancement or upgrading.

  9. Training for IIESTS personnel onsite, as and when required.

- The Software Development Company should forward the details of company / technical strength as per the following:

  1. Detailed business profile along with space and organizational structure showing details of professional, technical and other manpower with their qualifications and experience, provide summary of the technical experience of key software development personal (full time/ part time) who will be associated with the project.

  2. Firms/Agencies are required to give documentary evidence of having successfully undertaken similar projects of animation software development.

  3. Firms/companies shall also submit detailed note explaining the scope of work understood by it / him and which shall be executed by it, dully signed by technical personal who should be available for clarification, if any.

  4. Proof of purchase of software by end user agency.

  5. Detailed lists / procedures of quality control / testing, which the company proposes to conduct during the execution of work.

6. The date and time of opening of Quotations will be intimated to the concerned parties.

7. Firm/Company should keep the execution of the entire project confidential till its completion.

8. The entire work is of a time bound nature and the company will have to execute the work as per following schedule:

> a) Development, Testing, Integration, Implementation and commissioning of the software at IIESTS within 812 weeks, from the date of giving of order to the company for all modules.
>
> b) IIESTS will test the software/modules In-house 2 weeks.
>
> c) User-Acceptance test report signup with company by IIESTS.

9. All the generated reports and software have to be submitted in Hard Copy and Soft Copy on CD/DVD ROM or otherwise as specified and installed on IIESTS servers for in-house testing.

10. The source code of all the related software's for system development developed by the vendor will be the sole property of IIESTS only, any clarification/ doubt may be addressed via email on sdasbit@yahoo.co.in, if needed before submitting the bids.

c) Demonstration of technical expertise:

The firms / company will be required to demonstrate the technical capabilities at the place and time determined by the IIESTS at their own expenses. IIESTS may visit the site of the vendor to inspect the servers, software modules being developed.