

**Foundation for Innovation and Technology Transfer
(FITT)**

REF: FT/2023/03/77
Date: 29th November, 2023

Notice Inviting Quotation

Project Name: Hardware and Network for online training environment including Operation and Integration for Computer Vision (CV), Augmented Reality (AR) and Virtual Reality (VR) Training Program

Client : FITT, IIT Delhi

Objective: FITT, IIT Delhi invites proposals from experienced companies specializing in providing hardware infrastructure for LMS solutions for education / training to establish a customised comprehensive platform for delivering a Computer Vision (CV), Augmented Reality (AR) and Virtual Reality (VR) training program to approximately 1000 students.

Scope of Work:

The selected company is expected to perform the following tasks:

1. Establish Centre of Excellence):-
 - Deploy 30 Laptop/Notebook capable of accommodating 1000 students.
 - Machines should be preloaded with genuine Windows 11 Pro, with license key.
 - The Laptop/Notebook should be Make in India, with limited components of foreign origin.
 - Should be compatible with online lab environment.
 - Deploy wall mount 42" display screen for Slide/presentation.
 - 100 Mbps speed with unlimited data broadband connection for one year.

LAPTOP/NOTEBOOK HARDWARE CONFIGURATION:-

AXL Vayubook or Equivalent

Standing screen display size	14.01 Centimetres
Screen Resolution	1920 x 1080 pixel
Batteries	1 Lithium Ion batteries required. (included)
Processor Brand	Intel
Processor Type	Celeron N4020
Processor Speed	2.4 GHz
RAM Size	4 GB
Maximum Memory Supported	4 GB
Maximum Memory Supported	4 GB
Hard Drive Size	128 GB
Hard Disk Description	SSD
Hard Disk Rotational Speed	5400 RPM
Audio Details	Speakers

Graphics Coprocessor	Intel UHD Graphics 600
Graphics Chipset Brand	Intel
Graphics Card Description	Integrated
Graphics RAM Type	DDR DRAM
Graphics Card Ram Size	4 GB
Graphics Card Interface	Integrated
Connectivity Type	Bluetooth
Number of USB 2.0 Ports	1
Number of USB 3.0 Ports	1
Power Source	Battery Powered
Operating System	Windows 11 Home
Average Battery Life (in hours)	10 Hours
Are Batteries Included	Yes
Included Components	1 Laptop, 1 adapter
Country of Origin	India
Warranty	1 Year Carry In Warranty Through Service Centre available across India

DISPLAY UNIT TECHNICAL SPECIFICATION

Screen Size	42 inches
Brand	Samsung or Equivalent
Product Dimensions	100cm x 60cm x 12cm
Resolution	1080p
Refresh Rate	60 Hz
Special Feature	Built-In Speaker, Dynamic Contrast Enhancer, Flat
Mounting Type	Wall Mount
Audio Output Mode	Surround
Warranty	3 Years OEM Warranty
Extended Warranty	3 Years extended Warranty

Hi Speed Broadband Connection:-

A Hi speed internet connection along with WiFi Router to support 40 hosts simultaneously with Min 100 Mbps speed and unlimited data (Data on fiber is preferable) with one year plan. The WiFi router should have minimum one year warranty and be able to cover an area of 2000 sq feet over dual WiFi band. Vendor will ensure installation and integration.

2. Installation, Setup & Delivery: -

- The company will responsible to Installation/setup all the hardware for effective online training and management.
- The company will deliver hardware items across earmarked locations Madhya Pradesh by 10 Dec 2023.

3. Warranty and Operationalization: -

- Provide a one-year 24x7 warranty covering technical support, updates, and maintenance.
- 12 hour response time in any downtime for smooth functioning of lab.

Eligibility Criteria for Companies:-

- Should have provided similar contracts.
- Previous Supply order with govt agencies is preferable.
- Provide No Malicious Code certificate (Mandatory).

Submission Requirements:-

Interested companies should submit their proposals by 06 Dec 2023. Proposals should include:

- Company profile highlighting experience in computer hardware projects with govt agencies for education/training.
- Detailed approach for setting up the Lab as per project requirements.
- Proposed timeline and milestones for implementation.
- Cost breakdown covering each of the above requirements including Hardware, Installation/setup.

Evaluation Criteria:-

Proposals will be evaluated based on the following : -

- Experience and expertise in providing IT Hardware solutions.
- Clarity and feasibility of the proposed approach.
- Alignment with project objectives and requirements.
- Cost-effectiveness and value for the proposed services.

Payment Terms and Timeline:

- Milestone 1 : to be achieved on or before 10 Dec 2023 - 90% Payment post delivery and installation of all hardware as consignee location (within the state of Madhya Pradesh).

- Milestone 2 : - Balance 10% Payment post satisfactory working for seven days post installation and furnishing of all relevant OEM Warranty Documents and Invoices..

Pre-Bid Meeting:-

Pre-Bid meeting will be held at FITT, IIT Delhi on 01 Dec 2023 to clarify vendor queries and arrive at a common understanding. It is compulsory for all bidders to attend the pre-bid meeting, failing which their bids will not be accepted.

Terms & Conditions Details

Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid

Opening of the tender: The bid will be opened by a committee duly constituted for this purpose. The technical bid will be opened first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification.

Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.

Two separate sealed envelopes to be submitted for technical and financial bid (clearly labelled as “technical bid” and “financial bid”) respectively.

Last date of submitting the bids will be 6th December, 2023 before 5:00 pm to :

Prof. Brejesh Lall
Bharti School of Telecommunication
IIT Delhi, Hauz Khas
New Delhi, 110016
Email: brejesh@ee.iitd.ac.in

Please quote prices for FOB New Delhi, inclusive of all taxes and duties.

Quote should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, and needs to be valid for at least three months.

Attach all the technical literature and a list of similar installations done in India.

If the quote is being submitted by a representative of the manufacturer, a valid agency-ship or dealership certificate authorizing the agent to quote to IIT Delhi on behalf of the manufacturers should be enclosed. The principal and the vendor, both, are not allowed to quote for the same product.

Complete set of manuals for the operation of the equipment should be given.

Authorized dealer for the OEM must attach a Certificate of Authorization.
Please specify all of your terms and conditions clearly, including delivery period.

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Mode of payment for purchases in foreign currency through wire transfer on delivery. Only bank charges within India are payable by FITT, IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.