

**FOUNDATION FOR INNOVATION TECHNOLOGY AND TRANSFER**  
**(FITT)**

REF: FT/2024/11/11 - II

Date: 30 Aug 2024

**Notice Inviting Quotation**

**Project Name:** Hardware and Network for online training environment including Operation and Integration for setting up **Centre of Excellence for Learning (CoEL)** in the following domains: - **(i) Artificial Intelligence Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder, and (iv) AI powered IOT & 5G builder as part of Skill Development Program**

**Client:** FITT, IIT Delhi

**Objective:** FITT, IIT Delhi invites proposals from experienced companies specializing in providing delivery of hardware infrastructure with installation within the state of Odisha for setting up of Centres of Excellence for learning (CoEL) in the following domains: - (i) Artificial Intelligence Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder, and (iv) AI powered IOT & 5G builder (Total CoEL – 04) as part of Skill Development Program.

**Scope of Work:**

The selected company is expected to perform the following tasks: -

1. **Establish Centre of Excellence (CoE):** -

- Deploy 120 Laptops / Notebooks which are to be used by 4000 students as per specifications in succeeding paragraphs.
- The Laptop / Notebook should be **Make in India**, with limited components of foreign origin.
- Should be compatible with online lab environment.
- Deploy 08 x wall mount 42” display screen for Slide / presentation as per specifications in succeeding paragraphs.
- 04 x 100 Mbps speed with unlimited data broadband connection for one year (one connections per CoEL).

**LAPTOP/NOTEBOOK HARDWARE CONFIGURATION: -**

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	NA
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	NA
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	<b>42 inches</b>
Brand	Samsung or Equivalent
Product Dimensions	<b>100cm x 60cm x 12cm</b>
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
<b>Extended Warranty</b>	3 Years extended Warranty

**Hi Speed Broadband Connection:-**

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

**2. Installation, Setup & Delivery: -**

- The bidder/ firm will be responsible for Installation/setup all the hardware for effective online training and management.
  
- The bidder/ firm will deliver hardware items across earmarked locations Keonjhar, Cuttack, Kalahandi & Sambalpur (exact locations will be earmarked by OSDA; locations subject to change within Odisha)

**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 the lab.

**Eligibility Criteria for Companies:-**

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

- Annual turnover during FY 2023-24 should be over Rs 30 Lakh (Audited Balance Sheet / Provisional Balance Sheet / Copies of Purchase Orders to be provided).

**Submission Requirements: -**

Interested companies should submit their proposals by **14 Sept. 2024**. 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 and Internet connection.
- Companies must submit their compliance to the technical parameters as per the format provided.

**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.
- Past experience of setting up and running a similar training/ operational setup, documentary proof of the same needs to be submitted.

**Payment Terms and Timeline:**

**Milestone 1:** 90% Payment post-delivery and satisfactory installation of all hardware at consignee locations (within the state of Odisha).

**Milestone 2:** Balance 10% payment would be made on receipt of project completion report, final tranche from the sponsor, and compliance to all warranty regulations.

**Note:** Payments can be made only in case of remittances received from sponsor. In case of delay in payment from the sponsor, payments would be made post receipt of funds from the sponsor.

**Pre-Bid Meeting:** Pre-Bid meeting will be held at Room No. 106, Bharti School, IIT Delhi on **06 Sept 2024** at **15:30 Hours** 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**

**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.**

**FORMAT FOR COMPLIANCE SHEET FOR TECHNICAL PARAMETERS**

(TO BE PRINTED ON COMPANY LETTERHEAD)

<b><u>AXL Vayubook or Equivalent</u></b>		<b><u>Compliance (Yes/No)</u></b>	<b><u>Remarks</u></b>
Standing screen display size	14.01 Centimetres		
Screen Resolution	1920 x 1080 pixel		
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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		
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Hard Disk Description	SSD		
Hard Disk Rotational Speed	NA		
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Graphics Coprocessor	Intel UHD Graphics 600		
Graphics Chipset Brand	Intel		
Graphics Card Description	Integrated		
Graphics RAM Type	DDR DRAM		
Graphics Card Ram Size	NA		
Graphics Card Interface	Integrated		
Connectivity Type	Bluetooth		
Number of USB 2.0 Ports	1		
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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		

<b>DISPLAY UNIT</b>		<b><u>Compliance</u></b> <b><u>(Yes/No)</u></b>	<b><u>Remarks</u></b>
Screen Size	<b>42 inches</b>		
Brand	Samsung or Equivalent		
Product Dimensions	<b>100cm x 60cm x 12cm</b>		
Resolution	1080p		
Refresh Rate	60 Hz		
Special Feature	Built-In Speaker, Dynamic Contrast Enhancer, Flat		
Mounting Type	Wall Mount		
Audio Output Mode	Surround		
Warranty	1 Years OEM Warranty		
<b>Extended Warranty</b>	3 Years extended Warranty		

**PRICE ID FORMAT**

(Should be printed on bidder letter head)

The Price Bid Format is given below and Bidders are required to fill this up correctly with full details:

<b>S no</b>	<b>Item description (refer above for detailed description)</b>	<b>Basic cost of the item/items</b>	<b>Qty</b>	<b>Total incl GST</b>
1.	Laptops / Notebooks as per specifications with 1 year warranty		120	
2.	Wall mount 42" display screen as per specification with 3+3 years warranty		08	
3.	100 Mbps speed with unlimited data broadband connection for one year with AMC		04	
4.	Installation / Commissioning charges		-	
5.	One-year 24x7 warranty covering technical support, updates, and maintenance. 12 hour response time in any downtime for smooth functioning of the lab			
<b>Total (Basic cost)</b>				
<b>GST (Total GST)</b>				
<b>Grand Total including GST</b>				



Last date of submitting the bids will be **14 Sept. 2024 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](mailto:brejesh@ee.iitd.ac.in) & [COO@fitt-iitd.in](mailto:COO@fitt-iitd.in)

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

Quotes should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, and need 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.

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.