

NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR
MAHATMA GANDHI AVENUE, DURGAPUR – 713209, WEST BENGAL, INDIA

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TENDER NOTICE

No. NITD/ESDC/2016/02

Dated: 29/08/2016

1. Item wise tenders (specifying item wise price) are invited in Two-bid-system (technical bid & financial bid) from reputed vendors for supply and installation of goods at Embedded System Design Center, NIT Durgapur. The list of the equipment is enclosed in Annexure-I. The detailed specifications for each the equipment can be found in Annexure –II. Terms and conditions of tender specification for supply and installation with bid formats can be found in Annexure – III.
2. Bid Price
 - a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price **F.O.R. NIT Durgapur**.
 - c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustments on any account.
 - d) The Prices should be quoted in **Indian Rupees** only.
3. Each bidder shall submit only one quotation containing item wise price/prices. Manufacturer/authorized dealers/agents of reputed brands of high technical quality with adequate after-sales support facilities are eligible to apply. The bidder must have supplied similar good to reputed organization to their full satisfaction and furnish a list of the same.
4. The bid submitted by the bidder must comprise the following:
 - (a) Detailed technical specifications and literature/drawings/manuals of the goods/services to be supplied along with summary sheet as in ANNEXURE III.
 - (b) Authorized dealership certificate from the original manufacturer (whenever applicable)
 - (c) Credentials and list of organizations where the bidder supplied similar items
 - (d) Warranty period (comprehensive on-site)
 - (e) Valid sales-tax clearance certificate
 - (f) Price bid
5. **Validity of Quotations**


Quotation shall remain valid for a period not less than **60** days after the deadline date specified for submission.
6. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

 - (a) Are properly signed and
 - (b) Conform to the terms, and conditions, and specifications.
7. **Award of contract**
 - (a) The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- (b) Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- (c) The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
8. Delivery shall be made at **Embedded System design Center, NIT, Durgapur.**
9. Payment shall be made immediately within **45 days** after satisfactory installation, commissioning and acceptance of the good.
10. Comprehensive onsite warranty shall be applicable to the supplied goods for a period of **12 months otherwise mentioned** from the date of acceptance.
11. The Institute is exempted from payment of custom and excise duty on items mentioned below:
- (a) Scientific and technical instruments, apparatus, equipment (including computers);
 - (b) Accessories, spare parts and consumables thereof;
 - (c) Computer software, CD-ROM, recorded magnetic tapes, microfilms, and microchips.
- Sales Tax, VAT etc. if applicable, should be mentioned separately.
12. The successful bidder must submit before the release of payment a valid bank guarantee on any nationalized bank of **10%** of the order value towards **Performance Security** during the warranty period.
13. **Liquidated Damage** will be applicable at the rate of **0.5%** per week. The purchaser has the right to cancel the purchase order when LD accumulates to 2%.
14. Settlement of any dispute will be made under the jurisdiction of Durgapur Court.
15. Pre-bid meeting will be held on 4.00 PM, 16/09/2016 at Embedded System Design Center.
16. You are requested to provide your offer latest **by 01.00 PM on 26/09/2016.**
17. The purchaser will open the bids at 03-00 PM on 26/09/2016.

We look forward to receiving your quotations and thank you for your interest in this project.


Coordinator, and Members
Embedded System Laboratory,
National Institute of Technology, Durgapur – 713209

The bid must be addressed to:

Dr. Chiranjib Koley
Coordinator,
Embedded System Lab,
Department of Electrical Engineering,
National Institute of Technology, Durgapur – 713209

Annexure -I

Sr. No	Brief Description	Quantity	Delivery Period (In days)	Place of Delivery	Installation Requirement (if any)
1	Laboratory Furniture	1 set	45	Embedded System Design Centre	Yes
2.	Chairs	1 set	45	Embedded System Design Centre	No
3.	LCD Multimedia Projector	1	45	Embedded System Design Centre	Yes



Annexure –II

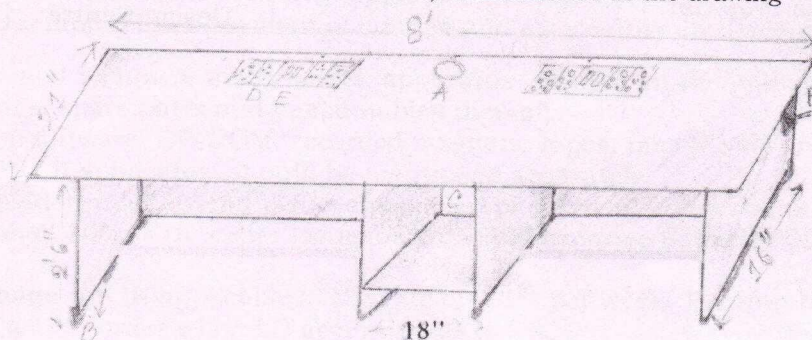
Item No. 1: Laboratory Furniture

Consist of following components as detailed in A, B, C, & D.

A. Instrument Table (15 numbers)

A rough sketch of the instrument table is presented figure below:

The dimensions should matches with a tolerance of $\pm 3\%$, as mentioned in the drawing



A: Openings for two desktop computer cables

B: Rubber jacket for support

C: Air opening for two CPU air vent.

D* & E*: Electrical Point, Five 5A Plug points, two switches, one indicator, and one Fuse.

F*: One MCB 6A, with incoming and outgoing wires of at least 1 square mm gauge.

*position of this item can vary as per requirement

Detail Specifications:

Plywood (Make Greenply/Kitply or equivalent): 19 mm, MR Grade Plywood conforming IS 303 MR standard, moisture, termite and borer resistant and eco-friendly.

Lamination (make: Sundek/Asis/Virgo or equivalent): with 1 mm sheet in all inside, outside and bottom, having regular & plain color (in combination of deep green, medium green and light green as per requirement). Covering must be made from all side, plywood should not be visible from any side including bottom, and should not have any sharp edge along corners.

Foot rest (Kapoor/Shal wood): Dimension 2" x 3 "

Adhesive (Make Fevicol or equivalent): Pasting should not have any swelling at any place.

Fixing: Stainless steel or brass screw fixing only.

All Electrical components (Make Havells/Anchor or equivalent):

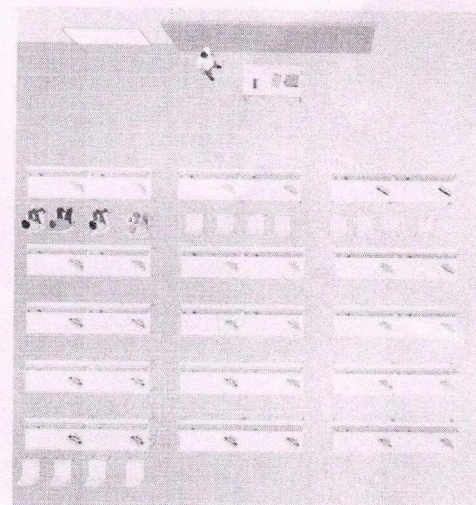
Wires: single core, copper conductor, PVC insulated. All electrical components should be from same brand.

Electrical wiring:

The approximate orientation of tables in the laboratory is shown in figure below, will be arranged in 3 x 5 row column. There will be three common power supply wires of at least 5 square mm gauge connecting to the five instrument tables in the column, each of these three will come to a DP containing three MCB of 60A each. The DP will get power supply from institute main distribution point which is outside of the room, with maximum distance of 100 feet the gauge for the connecting wires should be equal or higher than 15 square mm.

All electrical wires and connections will be inside casing.

- B. Faculty Table (Quantity 2 Nos.):** As per all specification of instrument table, except the table length of 5' instead of 8', and the opening for CPU cabinet will be of 12" instead of 18" at one side of the table, there will be one Electrical point (D, E, & F).



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- C. Plywood wardrobe (Quantity 5 Nos.):** 6' x 6' with four door cover (not shown in Figure) of 18", wooden base (Kapoor/Shal) 3" x 1.5" box leg supporting the plywood structure. A sample figure of the wardrobe is shown below.

Detail Specifications:

Plywood (Make Greenply/Kitply or equivalent): 19 mm, MR Grade Plywood conforming IS 303 MR standard, moisture, termite and borer resistant and eco-friendly [for all the parts except doors].

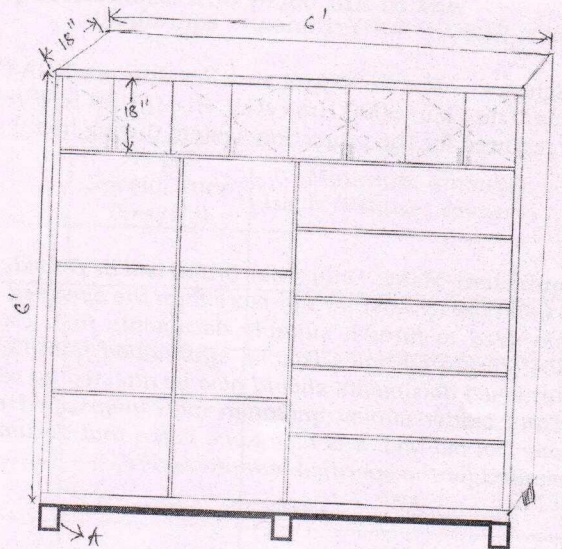
Block board for Doors (Make Greenply/Kitply or equivalent): 19 mm, MR Grade Blockboard conforms to IS 1659 MR-COM, moisture resistant and eco-friendly. It must have has a density of 0.50 gm/cc.

Lamination (make: Sundek/Asis/Virgo or equivalent): with 1 mm sheet in all inside, outside and bottom, having regular & plain color (in combination of deep green, medium green and light green as per requirement). Covering must be made from all side, plywood should not be visible from any side including bottom and back, and should not have any sharp edge along corners.

Adhesive (Make Fevicol or equivalent): Pasting should not have any swelling at any place.

Fixing: Stainless steel or brass screw fixing only.

Knobs, handles and other items: Branded stainless steel or brass.



- D. White Boards and Sign Board for the laboratory:**

White boards (two numbers): i) 8' x 4', ii) 4' x 3', and iii) 3' x 2' in size these boards should have aluminum along four sides. With smooth & non glossy writing side.

Sign Board (One number): Length 7' x 2' mounted in front of the laboratory, mentioning "Embedded System Design Center" in one or two lines. A sample of which is shown in Figure below.

Plywood (Make Greenply/Kitply or equivalent): 19 mm, MR Grade Plywood conforming IS 303 MR standard, moisture, termite and borer resistant and eco-friendly. Curtains for six windows of 7' x 6', with decorative rod (3/4" diameter), curtain cloth reputed make of thickness 1 mm, cotton of fine fabric.

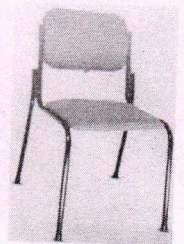
**Embedded System
Design Center**

Item No. 2: Chairs.

Consist of following components as detailed in A and B.

- A. Student Chair (Quantity 60 Nos)** (Make: Godrej/DAMRO/Durian/IKEA or equivalent):

A sample figure of the chair is shown below, taken from Godrejinterio, Model No. 1018. Similar or better chair with similar shape and size ($\pm 10\%$) with or without handle, having equal or better quality steel and scratch resistance coating, should also have Business and Institutional Furniture Manufacturers Association (BIFMA) test certificate. Scratch Hardness test certificate as per BS standard, from government recognized laboratory. Impact and Paint adhesion test certificate as per DIN standard, from government recognized laboratory.



- B. Faculty Chair (Quantity 2 Nos)** (Make: Godrej/DAMRO/Durian/IKEA or equivalent):

A sample figure of the chair is shown below, taken from Godrejinterio, Model Bravo, Mid-back. Similar or better chair with similar shape and size ($\pm 10\%$), having equal or better quality steel, fiber, seat, rollers, and hydraulic system. Should have Business and Institutional Furniture Manufacturers Association (BIFMA) certificate.



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Item No. 3: LCD Multimedia Projector

(Make: EPSON/SONY/Canon or equivalent)

Brightness - Min 3600 Lumens, Resolution - XGA (1024x768), Contrast Ratio - 15000:1, 1 - 1.2 (Optical) Zoom, Lamp Life - Min 5000 Hrs, VGA, HDMI, USB & Wireless Connectivity with Ceiling Mounting and necessary cables as required for the projection system during installation and commissioning.

NOTE:

Equivalent Make: Only those brand will be considered as equivalent whose similar product quality and sales volume in India are at least 90% or more than the specified bands.

One need to furnish suitable documents from competent authority such as quality testing from Govt. registered laboratory, and sales volume information from Govt. recognized financial authority in order to claim equivalency. Furnished documents should also be attested by competent signatory authority of equivalent brands.

If any bidder submit quotation with unspecified manufacturer without suitable document will be rejected during technical bidding. It is also to be noted that documents related to product quality and sales volume in India are not required for the specified manufacturers.



Annexure -III

Vendors shall submit the summary sheet of technical specification and price bid in the following format.

Item No. 1.

Material	Thickness	Make	As per Specification (Yes/No)	Minimum amount (sq. ft./Volume/Numbers)
Plywood				
Blockbord				
Lamination				
Adhesive	*NA			
Fixings	*NA			*NA
Knobs	*NA			*NA
Electrical Components	*NA			*NA

**Not applicable*

- i. Successful vendor need to show the minimum required amount of raw materials as per specifications and specified manufacturers prior to installation at the Embedded System Design Center.
- ii. Success full vendor must assemble plywood and laminates in the space provided at Embedded System Design Center.
- iii. If successful vendor found to work with materials of other inferior quality or out of specification materials then the materials will be rejected immediately, without making any payment.
- iv. Any incorrect information will leads to rejection of the bid.

Check list for the enclosed documents: (Tick)

- ☐ Detailed technical specifications of the Plywood, Blockboard, laminates, adhesive etc.
- ☐ Credentials and list of organizations where the bidder supplied similar items.
- ☐ Warranty period (comprehensive on-site)
- ☐ Valid sales-tax clearance certificate
- ☐ Price bid in sealed envelope.

*Whether any material that has been used is from different manufacturer other than the specified in the specification, i.e. with some equivalent manufacturer? **Yes/No.***

If yes, then vendors need to include following additional documents;

- ☐ Attested copy of Govt. registered testing laboratory certificate justifying the equivalent quality of the product.
- ☐ Attested copy of sales volume certificate from Govt. recognized financial authority of last three financial years, justifying the equivalency with the specified manufacturer.

[Signature]

Item No. 2.

Name	Make	As per Specification (Yes/No)
Student Chair		
Faculty Chair		

Check list for the enclosed documents: (Tick)

- ☐ Detailed technical specifications and literature/drawings/manuals of the goods.
- ☐ Credentials and list of organizations where the bidder supplied similar items.
- ☐ Warranty period (comprehensive on-site)
- ☐ Valid sales-tax clearance certificate
- ☐ Price bid in sealed envelope.

Whether any material that has been used is from different manufacturer other than the specified in the specification, i.e. with some equivalent manufacturer? Yes/ No.

If yes, then vendors need to include following additional documents;

- ☐ Attested copy of Govt. registered testing laboratory certificate justifying the equivalent quality of the product.
- ☐ Attested copy of sales volume certificate from Govt. recognized financial authority in last three financial years, justifying the equivalency with the specified manufacturer.

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Item No. 3.

Name	Make	As per Specification (Yes/No)
LCD Multimedia Projector		

Check list for the enclosed documents: (Tick)

- ☐ Detailed technical specifications and literature/drawings/manuals of the goods.
- ☐ Credentials and list of organizations where the bidder supplied similar items.
- ☐ Warranty period (comprehensive on-site)
- ☐ Valid sales-tax clearance certificate
- ☐ Price bid in sealed envelope.

*Whether any material that has been used is from different manufacturer other than the specified in the specification, i.e. with some equivalent manufacturer? **Yes/No.***

If yes, then vendors need to include following additional documents;

- ☐ Attested copy of Govt. registered testing laboratory certificate justifying the equivalent quality of the product.
- ☐ Attested copy of sales volume certificate from Govt. recognized financial authority in last three financial years, justifying the equivalency with the specified manufacturer.



Format for Price Bid:

Price Bid for Item No. 1

Name	Unit Price	Qty.	Total Price (Rs.)	Taxes (with rate)	Total Price (Rs.)
A. Instrument Table		15			
B. Faculty Table		2			
C. Plywood wardrobe		5			
D. Boards etc.		1 set			
#Total price for Item No. 1:					

Total price should inclusive all duties, taxes, other levies and entry tax (if applicable). Institute shall provide the necessary documents only, for generation of waybill key number if required.

Price Bid for Item No. 2

Name	Unit Price	Qty.	Total Price (Rs.)	Taxes (with rate)	Total Price (Rs.)
A. Student Chair		60			
B. Faculty Chair		2			
#Total price for Item No. 2:					

Total price should inclusive all duties, taxes, other levies and entry tax (if applicable). Institute shall provide the necessary documents only, for generation of waybill key number if required.

Price Bid for Item No. 3

Name	Unit Price	Qty.	Total Price (Rs.)	Taxes (with rate)	Total Price (Rs.)
LCD Multimedia Projector		1			
#Total price for Item No. 3:					

Total price should inclusive all duties, taxes, other levies and entry tax (if applicable). Institute shall provide the necessary documents only, for generation of waybill key number if required.