

**DHI CENTRE OF EXCELLENCE IN ADVANCED MANUFACTURING
TECHNOLOGY**

IIT KHARAGPUR

**TENDER INVITATION
FOR
SUPPLY AND FABRICATION OF ALUMINUM GLASS PARTITION**

Quotations should be submitted in two parts (Technical and Price Bid), each individually sealed and put in a bigger sealed cover superscripted with “**TENDER FOR ALUMINUM-GLASS PARTITION FABRICATION**”

Please send offers for supply, fabrication, and fixing of (1) aluminium-glass partition and with aluminium-glass door, (2) partition with toughened glass and toughened glass door, and (3) false ceiling. The validity of the bid should be at least five months (150 days) or more from the date of the opening of this tender. Please ensure that your quotation reaches not later than ~~22.10.2018 (Monday) at 10:00 Hrs. (IST)~~ **29.10.2018 (Monday) by 15:00 Hrs. (IST)** at the below mentioned address:

**Professor-in-Charge,
DHI Centre of Excellence on Advanced Manufacturing Technology,
(Inside Steel Technology Centre),
Indian Institute of Technology Kharagpur,
721 302, West Bengal, India**

Earnest money of **Rs. 20,000/-** is to be deposited in the form of Account Payee Demand Draft in favour of **IIT Kharagpur, payable at Kharagpur, India. Any bid which is not accompanied with EMD, and Tender fees shall be summarily rejected.** Earnest money deposited will be forfeited if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. No interest will be paid on the earnest money of the unsuccessful bidders.

Tender Reference	IIT/OTG/CoE_AMT/2018/AGP, dated 25/09/2018
Tender Fee	Rs 1,500/- (Account payee Demand Draft in favour of IIT Kharagpur, payable at Kharagpur, India); Non-refundable
Last Date and Time for submitting the tender document	22.10.2018 (Monday) at 10:00 Hrs. (IST) 29.10.2018 (Monday) by 15:00 Hrs. (IST)
Time and Date of Opening of Technical Bids	22.10.2018 (Monday) at 11:00 Hrs. (IST) 29.10.2018 (Monday) by 16:00 Hrs. (IST)
Time and Date of Opening of Commercial Bids (Price Bid) of technically qualified vendors	22.10.2018 (Monday) at 11:15 Hrs. (IST) 29.10.2018 (Monday) by 16:10 Hrs. (IST)
Place of Opening Tender	SRIC Conference Room, Indian Institute of Technology Kharagpur, West Bengal, India - 721 302.

Address of Communication	Office of Professor-in-Charge, DHI Centre of Excellence on Advanced Manufacturing Technology, (Inside Steel Technology Centre), Indian Institute of Technology Kharagpur, 721 302, West Bengal, India
Contact Telephone Numbers	+91- 3222 - 281576
E-mail	coeamt@iitkgp.ac.in

DETAILED TECHNICAL SPECIFICATIONS

Scope of the work	Approximate area (in sq. ft.)
<i>A. Toughened Glass partitioning</i>	
<ul style="list-style-type: none"> • Supply and fixing of branded 10 mm toughened plain glass with all sides polish grinding with necessary fittings as per IS standards for side-wall partitioning 	~ 1940
<i>B. Toughened Glass door</i>	
<ul style="list-style-type: none"> • Supply and fixing of branded 12 mm toughened glass door; and fixing with handle, biometric lock, high quality door closure, and other necessary fittings as per IS standards. Biometric locks will be provided by the institute, however will be fixed by the supplier. • (No of doors: 8) 	224
<i>C. Aluminium-glass partitioning</i>	
<ul style="list-style-type: none"> • Profiles of required section made of aluminium alloy extrusion conforming to IS: 732-1983 and IS: 1285-1975; Anodized (with required film thickness and brown colour) matt finished conforming to IS: 1868-1983 for fabrication, formed of basic sections of any ISI embossed/certified make and brand as per the direction of engineer-in-charge. In 10-12 microns thickness anodizing film. • Supply, fabrication, assembling, and fixing of 2.5 inch x 1.5 inch aluminum structural bar with power coating (brown colour) of 1.5 mm thickness for partitioning. • Plain glass of good make of 5.5 mm thick • The aluminum bar must be ISO certified. 	~ 2160
<i>D. Aluminium-glass door</i>	
<ul style="list-style-type: none"> • Partly glazed partly panelled or fully glazed single leaf aluminium sliding door, fabrication including cutting to proper shape and size, drilling and aligning, fitted with in built locking arrangement, flush bolt, glazing clips and all the necessary fittings, fixtures, adhesives and joineries, cutting glass of approved make to requisite shape and size fitting with dry set neoprene or EPDM gasketing (of approved make and brand), specification and direction of engineer in charge. • Supply, fabrication, assembly, and fixing of aluminum door (powder coated, brown colour) (sliding type) to the aluminum partition with necessary fittings. The aluminum bar frame will be fixed with 5.5 mm thick transparent glass fixing to 	392

<p>taper clip with necessary fittings. The door's top, middle, and bottom section will have 1 mm thick aluminum of 4.5 inch x 1.5 inch.</p> <ul style="list-style-type: none"> • The size of each door will be 7 ft. x 4 ft. • These doors will have biometric locks, handle, and high quality door-closure. The locks will be provided by the institute; however, the supplier will have to fix them. • No of doors: 14 • Iron butt hingers of approved quality fitted and fixed with steel screws, with ISI mark. 100 mm x 50 mm x 1.25 mm. • With 12.5 mm dia acrylic handle for aluminium door as per approved make and brand. Brown colour. • Anodized aluminium barrel/tower/socket-bolt (full covered of approved manufactured from extruded section conforming to IS: 204/74 fitted and fixed with cadmium plated screws. 150mm long x 10mm dia bolt. • Aluminium casted body hydraulic door closer as per ISI. • Anodized aluminium Aldrop/Sliding boots of approved quality manufactured from extruded section conforming to IS specification (IS: 204/66) fitted and fixed complete. 250 mm long x 16 mm dia bolt. 	
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E. False ceiling

<ul style="list-style-type: none"> • Supply, assembly, and fixing of false ceiling with gypsum board of size 2 ft. x 2 ft by using galvanized iron (GI) channel with necessary fittings. • Providing and fixing tiled false ceiling of specified materials of size 595x595mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38mm made of 0.30mm thick (minimum) sheet, spaced at 1200mm centre to centre and cross "T" of size 24x25mm made of 0.30mm thick (minimum) sheet, 1200mm long spaced between main "T" at 600mm centre to centre to form a grid of 1200x600mm and secondary cross "T" of length 600mm and size 24x25mm made of 0.30mm thick (minimum) sheet to be interlocked at middle of the 1200x600mm panel to form grids of 6+00x600mm and wall angle of size 24x24x0.3mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm length dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm centre to centre along main T, bottom exposed width of 24 mm of all T-section shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by the Engineer in charge. • GI. metal ceiling lay perforated Tegular edge Global white colour tiles of size 595 X 595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100gms/sqm (both side inclusive) and 20 % perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electrostatically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black glass fibre acoustical fleece. 	<p>~ 800</p>
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Important note:

- The square feet area specified above are not fixed, and may vary in actual. Payment will be made as per the actual dimension measured after completion of the job. The supplier must quote according to the given requirement along with the necessary fittings needed for the scope of the work specified in the detailed specifications.
- All the fittings should be made of stainless steel (SS).
- Bidders must quote strictly following the format given below. Job will be awarded to the L1 bidder based on turnkey basis (i.e., based on L1 in GRAND TOTAL)

Sl No	Description	Rate per sq-ft (in Rs)	Area (Sq-ft)	Amount (in Rs)
A.	<i>Toughened Glass partitioning</i>		~ 1940	
B.	<i>Toughened Glass door</i>		224	
C.	<i>Aluminium-glass partitioning</i>		~2160	
D.	<i>Aluminium-glass door</i>		392	
E.	<i>False ceiling</i>		~800	
F.	<i>Sub total</i>			
F.	GST @ 18%			
G.	GRAND TOTAL			

GENERAL TERMS & CONDITIONS

PLEASE SPECIFICALLY INDICATE THE FOLLOWING POINTS IN YOUR QUOTATIONS AND COMPLY THE TERMS AS MENTIONED HEREUNDER: -

1. TENDERS ARE INVITED COMPLYING THE REQUIREMENT FOR TENDER AS DETAILED IN THE TENDER SPECIFICATION TO BE SUBMITTED IN THE COMPANY'S / FIRM'S LETTERHEAD NEATLY PRINTED / TYPED DULY SIGNED BY AUTHORIZED PERSON WITH THE SEAL OF THE BIDDERS. ALL ENVELOPES CONTAINING THE TENDER SHOULD BE PROPERLY SEALED. SEPARATE ENVELOPS SHOULD BE USED FOR TECHNICAL AND PRICE BID AND INDICATION TO THEIR EFFECT MAY PLEASE BE SUPERSCRIBED ON THE ENVELOPE.

THE FOLLOWING DOCUMENTS ARE REQUIRED FROM THE INDIAN AGENTS OF FOREIGN FIRMS:

1. FOREIGN PRINCIPAL'S PROFORMA INVOICE INDICATING THE COMMISSION PAYABLE TO THE INDIAN AGENT AND NATURE OF AFTER SALES SERVICE TO BE RENDERED BY THE INDIAN AGENT.
2. COPY OF THE AGENCY AGREEMENT WITH THE FOREIGN PRINCIPAL INDICATING THE NATURE OF AFTER SALES SERVICES, PRECISE RELATIONSHIP BETWEEN THEM AND THEIR MUTUAL INTEREST IN THE BUSINESS.
3. TECHNICAL CATALOGUE/LEAFLET SHOULD BE ENCLOSED WITHOUT FAIL. PROVIDE COMPLIANCE STATEMENT WITH RESPECT TO THE TECHNICAL SPECIFICATIONS MENTIONED ABOVE.
4. PLEASE CONFIRM WHETHER YOU ARE AUTHORISED TO QUOTE ON BEHALF OF YOUR PRINCIPALS AND IF SO, PLEASE ENCLOSE A COPY OF SUCH AUTHORISATION WITH YOUR QUOTATION.
5. **PRICE BIDS FOR FOREIGN FIRMS:** PRICES ARE TO BE QUOTED ON 'EX-WORKS' DULY PACKED OR ON "FCA/FOB" INTERNATIONAL PORT" BASIS AND ALSO INCLUDING AGENCY COMMISSION PAYABLE TO YOUR INDIAN AGENTS, IF ANY, SHOWING CLEARLY THE FOLLOWING BREAK UP:-

- I. EX-WORKS PRICE
- II. PACKING & FORWARDING
- III. FREIGHT
- IV. ANY OTHER RELEVANT EXPENSES.
- V. TAXES PAYABLE BY THE INSTITUTE

INSURANCE WILL BE PAID BY OUR INSTITUTE SEPARATELY AND SHOULD NOT FORM PART OF THE QUOTED PRICE.

PRICE BIDS FOR INDIAN FIRMS: PRICES ARE TO BE QUOTED ON F.O.R., IIT KHARAGPUR, ON DOOR DELIVERY BASIS CLEARLY SHOWING THE BREAK UP.

6. **PERIOD OF VALIDITY:** BIDS SHALL REMAIN VALID FOR ACCEPTANCE FOR A PERIOD OF 150 DAYS FROM THE DATE OF OPENING.
7. INDIAN AGENTS ADDRESS AND PERCENTAGE OF AGENCY COMMISSION INCLUDED IN ABOVE F.O.B./EX-WORKS PRICE. (THIS WILL BE PAID TO THE INDIAN AGENTS IN INDIAN RUPEES ONLY AND NOT IN FE). PLEASE ENCLOSE COPY OF AGENCY AGREEMENT ENTERED INTO

WITH YOUR PRINCIPALS INDICATING THE NATURE OF AFTER SALES SERVICES OF INDIAN AGENTS, PRECISE RELATIONSHIP & MUTUAL INTEREST IN THE BUSINESS.

8. **MEASUREMENTS/WEIGHT:** NETT/GROSS OF THE CONSIGNMENT. IN CASE OF AN ORDER, YOU SHALL USE AIR WORTHY PACKAGE (AS APPLICABLE) DULY CERTIFIED WITH DOCUMENTS – PLYTO – SANITARY CERTIFICATE (AS PER QUARANTINE ORDER 2003).
9. **SCOPE OF SUPPLY: DOOR-STEP**
10. **PAYMENT TERMS FOR FOREIGN FIRMS**

THE OFFER WILL BE MADE ON A SINGLE CURRENCY AND ONLY ONE PO WILL BE ISSUED FOR THE ENTIRE SCOPE OF THE SUPPLY.

- A. 90% PAYMENT THROUGH SIGHTDRAFT/FOREIGN DEMAND DRAFT/LC (EXCEPTIONAL CASES)/SWIFT TELE TRANSFER AFTER RECEIPT OF STORE IN GOOD ORDER AND CONDITION AND 10% AFTER SUCCESSFUL INSTALLATION & COMMISSIONING.
- B. BANK CHARGES ON LC/SD (WITHIN INDIA APPLICANT ACCOUNT AND OUTSIDE INDIA TO BENEFICIARY ACCOUNT).

PAYMENT TERMS FOR INDIAN FIRMS

- A. 100% PAYMENT THROUGH CROSSED ACCOUNT PAYEE CHEQUE / ELECTRONICTRANSFER AFTER RECEIPT OF STORE IN GOOD ORDER & CONDITION AND SUCCESSFUL INSTALLATION & COMMISSIONING
- B. ENSURE MENTIONING
 - i) BANK DETAILS OF THE BENEFICIARY, GST NO. AND PAN NUMBER
 - ii) FULL NAME AND ADDRESS OF THE BENEFICIARY ON WHOM ORDER HAS TO BE PLACED

11. WHETHER ANY EXPORT LICENCE IS REQUIRED FROM YOUR GOVERNMENT, IF SO, PLEASE CONFIRM WITH DETAILS.
12. COUNTRY OF ORIGIN OF THE GOODS IS TO BE MENTIONED.
13. THE INSTITUTE SHALL PROVIDE THE CONCESSIONAL CUSTOMS DUTY AND EXCISE DUTY EXEMPTION CERTIFICATE AS PER GOVT. NOTIFICATION NO. 51/96 CUSTOMS DATED: 23.07.1996 AND CENTRAL EXCISE DUTY EXEMPTION IN TERMS OF GOVT. NOTIFICATION NO. 10/97 – CENTRAL EXCISE DATED: 01.03.1997 AS AMENDED FROM TIME TO TIME.
14. **LIQUIDATED DAMAGES:** THE STORES SHOULD BE DELIVERED/ DISPATCHED TO DESTINATION AND READY FOR OPERATION NOT LATER THAN THE DELIVERY DATE SPECIFIED. IF THE SUPPLIER FAILS TO DELIVER ANY OR ALL THE STORES OR PERFORM THE SERVICE BY THE SPECIFIED DATE, LIQUIDATED DAMAGES AT 1% PER MONTH OR PART THEREOF IN RESPECT OF THE VALUE OF STORES WILL BE DEDUCTED FROM THE CONTRACT PRICE SUBJECT TO A MAXIMUM OF 5%. ALTERNATIVELY, THE ORDER WILL BE CANCELLED AND THE UNDELIVERED STORES PURCHASED FROM ELSEWHERE AT THE RISK AND EXPENSE OF SUPPLIER.

15. **PATENT RIGHTS:** THE SUPPLIER SHALL INDEMNIFY THE PURCHASE AGAINST ALL THIRD PARTY CLAIMS OF INFRINGEMENT OF PATENT, TRADEMARK OR INDUSTRIAL DESIGN RIGHTS ARISING FROM USE OF THE GOODS OR ANY PART THEREOF IN INDIA.
16. ONLY THOSE BIDDERS WHO'S BIDS HAVE BEEN TECHNICALLY FOUND ACCEPTABLE WILL ONLY BE INVITED FOR PARTICIPATION IN THE PRICE BID.
17. THOSE BIDDERS WHO DO NOT RECEIVE ANY COMMUNICATION FOR PARTICIPATION IN PRICE BID OPENING MEETING MAY PRESUME THAT THEIR BID HAS NOT BEEN ACCEPTED BY THE INSTITUTE.
18. CONDITIONAL OFFER WILL NOT BE ACCEPTED.
19. LATE TENDERS I.E. TENDER RECEIVED AFTER THE DUE DATE AND TIME OF SUBMISSION AS MENTIONED ABOVE SHALL NOT BE ACCEPTED.
20. BIDDERS TO ENCLOSE THE FOLLOWING DOCUMENTS:-
 - A. INCOME TAX RETURN (3 YRS) AND LATEST SALES TAX RETURN (GST No.), AND PAN NO.
 - B. BANKER'S SOLVENCY CERTIFICATE
 - C. SUMMARY OF AUDITED STATEMENT OF ACCOUNTS FOR THE LAST THREE YEARS TO BE ENCLOSED AND FINANCIAL HIGHLIGHTS AND THE KEY PERFORMANCE DURING THE LAST THREE QUARTERS TO BE ENCLOSED AS PER FORMAT:-

COMPANY'S KEY PERFORMANCE

DESCRIPTION	JAN. TO MARCH	APRIL TO JUNE	JULY TO SEPT.
GROSS REVENUE			
PROFIT BEFORE TAX			
PROFIT AFTER TAX			
RETURN ON INVESTED			
CAPITAL (ROIC)			

- D. CUSTOMER SATISFACTION CERTIFICATE FROM ONE SUCH ORGANIZATION IS TO BE ATTACHED WITH THE TECHNICAL BID AND PRICE BID.
- E. NAME AND ADDRESS OF MINIMUM THREE CLIENTS TO WHOM SUCH EQUIPMENT HAVE BEEN SUPPLIED SHOULD BE MENTIONED.
21. THE INSTITUTE DOES NOT BIND ITSELF TO OFFER ANY EXPLANATION TO THOSE BIDDERS WHO'S TECHNICAL BID HAS NOT BEEN FOUND ACCEPTABLE BY THE EVALUATION COMMITTEE OF THE INSTITUTE.
22. ALL TENDERS (UNLESS OTHERWISE SPECIFIED) ARE TO BE SUBMITTED / HANDED OVER TO

**Office of Professor-in-Charge,
DHI Centre of Excellence on Advanced Manufacturing Technology,
(Inside Steel Technology Centre),
Indian Institute of Technology
Kharagpur,
721 302, West Bengal, India.**

AND ACKNOWLEDGEMENT TO BE OBTAINED.

IMPORTANT

1. IIT Kharagpur authority may accept or reject any or all the bids in part or in full without assigning any reason and does not bind itself to accept the lowest bid. The Institute at its discretion may change the quantity/ upgrade the criteria/ drop any item or part thereof at any time before placing the Purchase Order.
2. Promptly make arrangements for repair and/ or replacement of any damaged item (s) irrespective of settlement of claim.
3. In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.
4. For any query pertaining to this bid document correspondence may be addressed to

**Professor-in-Charge,
DHI Centre of Excellence on Advanced Manufacturing Technology,
(Inside Steel Technology Centre),
Indian Institute of Technology Kharagpur 721 302,
West Bengal, India
E-mail: coeamt@iitkgp.ac.in**

**LAST DATE FOR SUBMISSION OF SEALED BIDS: 22.10.2018 (Monday) at 10:00 Hrs. (IST)
29.10.2018 (Monday) by 15:00 Hrs. (IST)**

1. Please Note that the Institute remains closed during Saturdays & Sundays and all specified government holidays.
2. Fax, e-mail Tender will not be accepted.
3. The General Terms and Conditions as stated above relate to supply of stores/ equipment/ assets etc. and for specific service other terms and conditions of the Institute will apply.
