



**INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)**

“वद्योगिनम् पुरुषसिंहमुपैति लक्ष्मीः”

मालवीय सेन्टर फॉर इनोवेशन, इनक्यूबेशन एण्ड एन्टरप्रेन्योरशिप
MALAVIYA CENTRE FOR INNOVATION INCUBATION & ENTREPRENEURSHIP
Varanasi - 221005, वाराणसी 221005 (Uttar Pradesh)



QUOTATION ENQUIRY

Ref: IIT (BHU)/TBI/17-18/470

Due Date: 20th September 2017
(Last date of quotation receiving)

Date: 05th September 2017
(Date of tender enquiry)

To

Dear Sir,

Please submit your lowest rate for supplying the under mentioned items. Quotation in duplicate must reach us before the date marked above and should contain the following information:

1. Full specification and make of the item offered and its rate F.O.R. Varanasi/CIF New Delhi. Sales tax at concessional rate as applicable to educational institution.
2. Your GST registration number, PAN & TIN numbers.
3. Conditions of supply and terms of payment.
4. If you are a manufacture of the item or if you have proprietary right over it, please mention it in the quotation and provide a certificate.
5. Please mention your agency commission in Indian Rs., if applicable (in case of imported items).
6. Please give undertaking as per annexure-I-B & I-C.

Quotation must be sent in a **sealed envelope** with word “**QUOTATION**”, our reference number, and due date as given above, clearly marked over it.

Please check Page no 2, 3 & 4 for items.

N.B.: Other terms & conditions pertaining to item mentioned above & on Page no 4 of this document, shall be mentioned below: The Sealed quotations will be opened on **20th September 2017 at 3:00 PM** in the office of **MCIE, IIT(BHU)** (This is mandatory in case of e-publishing).

Coordinator
MCIE, IIT(BHU)

Co-ordinator

Technology Business Incubator
MCIE, IIT, (B.H.U.) Varanasi



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MALAVIYA CENTRE FOR INNOVATION INCUBATION & ENTREPRENEURSHIP

Varanasi - 221005, वाराणसी 221005 (Uttar Pradesh)



CLEANROOM & HVAC WORK FOR LAB

S. NO.	Description	Make	Unit	Qty.
A	Air management / HVAC System			
1	AIR HANDLING UNITS:			
	Air Handling Unit) Double skin air handling unit with Thermal Break profile constructed out of 0.6 mm Inner Plain GI sheets & 0.6 mm Pre painted outer GI sheet with 43/50 mm PUF section of density 38 +-2 Kg/ Sq m in between and comprising of following sections: a)Pre & Fine filter combo filter with 5 & 10 Micron filters. b) 6 Row Deep Dx type Cooling coil section with coils.The coil shall have multiple refrigerant circuit in inter wined geometry c)Blower section with DIDW and EFF - 02 Motor d)Mixing box with fresh air module and provision for aluminum aerofoil dampers for SA and RA damper e) Common base frame with Vibration isolation pads for Mctor Blower Assembly. f) Drain pan in SS 304 with suitable thickness insulation g) Suitable inspection doors for accessing filters, coil & blower sections are provided in the unit. Flanged connection at the outlet of AHU provided for integrating to the main Duct line, standard as applicable for Clean Room:			
a	Capacity:1800 CFM/135 mm WG TSP (5.5TR X 1 No)	Zeco/ Systemaire/ Waves/ Edgetech/	No.	1
	CONDENSING UNITS:			
2	Condensing Unit:	Voltas/ LG/Bluestar/ Carrier/ Eqvt.		
a	Capacity:4 TR nominal capacity each		Nos.	
a	Capacity:5.5 TR nominal capacity each		Nos.	1
3	Accessories for Condensing Unit: Supply & Installation of various accessories required for condensing units like copper piping, Piping insulation refrigerant gas R -22 or suitable, filter drier , Thermostatic expansion valves, 3/ 4 core flexible electrical cables etc. Note: The refrigerant piping, pipe inslation, cabling is included upto only 5 Rmt length.			
a	Capacity: 4 & 5.5 TR nominal capacity each(For AHU - 01) with R-22 Refrigerant		set	1
b	Capacity: 8.5 TR nominal capacity each(For AHU - 02unit) with R-22 Refrigerant		Nos.	
4	Unit rate for Copper Piping of size (78" for Suction line & 5/8" for Liquid Line) complete with insulation, cables, piping accessories etc.		Rmt	

Email: tb1.mcie@iitbhu.ac.in, Website: www.mcie@iitbhu.org, Ph: 0542-2368948 / 6702705


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5	Unit rate for Copper Piping of size (1-1/8" for Suction line & 5/8" for Liquid Line) complete with insulation, cables, piping accessories etc.		Rmt	
6	Ducting(For AHU): Ducting made out of GI sheet with proper gasketing, supports, rods etc and fabricated as per standards. All flange joints shall be sealed with RTV Sealent to make it air tight.			
a	24 Gauge(0 - 750 mm)	Asian/ Bhushan/	S.Mt.	145
b	22 Gauge(751 - 1500 mm)	"	S.Mt.	20
c	20Gauge(1501-2250 mm)	"	S.Mt.	
7	Duct Insulation: Supply & Installtion of Nitrile Rubber/ XLPE plain Insulation of thickness as mentioned below. The insultaion shall be pasted with help of suitable rubber adhesive on duct surfaces.			
a	13mm thick for supply air.	Kflex/ Supreme/	S.Mt.	93
b	9mm thick for return air duct.	"	S.Mt.	114
	Note: The Ducting/ Insulation quantity are approximate. The same is calculated based on confirmation that the Plant room shall be located at distance less than 3 metre from Clean room and the ducting layout recieved from you . Actual Ducting qty may vary as per detail engineering and final layout which shall be prepared later.			
8	Volume Control Dampers- In GI Construction for controlling the fow of air.	Greenaire/ Continental/ Eqvt	S.Mt.	0.4
9	Fire Dampers- For providing safety against the spreading of Fire. The fire damper shall be povided with Fusible link/ limit switch and shall be installed at RA cutout of ahu.	Greenaire/ Continental/ Eqvt	S.Mt.	0.2
10	Fusible link & Limit switch for above	Greenaire/ Continental/ Eqvt	set	2.0
11	GEL SEAL TYPE HEPA FILTER & ALUMINIUM EXTRUDED FILTER BOX Aluminium extrusion HEPA filter box with State of the art latest technology Gel seal Filters with Knife edge technolgy of Grade H - 13 suitable for 99.997% efficiency down to 0.3 u particle size. The box shall be complete with PAO port and bottom aluminum wire mesh. The box shall have volume control damper with suitable provision for adjustment from the cleanroom side			
a	Hepa Size : 24 " x 24" (1000 CFM)	Ultraclean/ Mechmark/ AAF/ Eqvt	Set	
b	Hepa Size : 24 " x 24" (500 CFM)	"	Set	3.0
c	Hepa Size : 12 " x 12" (250 CFM)	"	Set	2.0
12	Linear Return air Raisers grills	Greenaire/S upercut/ Eqvt	Nos	5.0
13	Dampers for Riser in Aluminium Construction	Mechmark/ Greenaire/ Eqvt	Sq .Mt.	0.5
14	Megnehelic Gauge for measuring room differential pressure including all accessories.	Sensocon/ Dawyer/ Eqvt.	Set	3

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CLEANROOM -INTERNAL FINISHING FOR LAB

S. NO.	Description	Make	Unit	Qty.
C	CLEAN ROOM INTERNAL FINISHES			
1	Ceiling System- Sandwich type Non Walk-on type Double skin GSS Pre/ Powder -coated Metallic ceiling panels of 100 mm thickness with EPS insulation with all supports and hanging arrangement. To include all cutouts for HEPA Filters and lights.		S.Mt.	18
2	Wall Panelling System- Sandwich type Double skin GSS Pre/ Powder -coated Metallic wall panels of 100 mm thickness with EPS insulation with all supports and accessories. The panels shall be provided with electrical conduit for running the electrical single phase power point.		S.Mt.	61
3	Wall Panelling System with inbuilt Risers- Sandwich type Double skin GSS Pre/ Powder -coated Metallic wall panels of 100 mm thickness with EPS insulation with all supports and accessories. The riser shall be 900 X 80 mm size with suitable reinforcement.		S.Mt.	18
4	Door System : Clean Room GSS pre coated doors with EPS/ PUF insulation complete with door frame, door closers, SS handles, view panel and other accessories as per specifications enclosed			
5	Single leaf door of size : 900x2100mm		No.	3
6	Coving system for eliminating the sharp corners- Wall to Wall, Wall to ceiling and Wall to flooring Aluminum powder coating covings of Radius - 50 mm with suitable fixing arrangement		Rmt	88
7	3 D Corners for Coving system: 3 D Corners for integrating coving corner joints		lot	1
8	FLOORING: 2 mm thick Epoxy Flooring		Sqmt	14
9	Validation , Documentation of the facility as per applicable standards		No.	1

Terms and conditions:

- Price : Net Price
- Payment : 100% Bill Basis
- Tax : Extra
- Delivery time : 15 Days
- Penalty Clause : As penalty clause for a penalty of 1% of the delivered price of the delayed goods for each week or part thereof subject to a maximum of 10% of the delivered price is to be incorporated in the contract terms. If the payment term is 100% against delivery and if there is delay in supplying the material then a cheque of penalty amount must be taken from the seller in favour of the Director, IIT (BHU) Varanasi.
- Warranty : One Year

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Co-ordinator
Technology Business Incubator
MCIE, IIT, (B.H.U.) Varanasi

QUOTATION FORM

**The Coordinator
MCIIE, IIT(BHU),
VARANASI – 221005**

Subject: Quotation for Enquiry for Cleanroom & HVAC Work. MCIIE, IIT (BHU)

Dear Sir,

With the reference to the Quotation invited by you for the captioned work. I/We do hereby offer to perform, provide, execute, complete and maintain work in conformity with the drawing, condition of tender, articles of agreement condition of contract, specification and quantities of the sum of Rs..... (Rupees.....) at the respective rates mentioned in the quotation.

My/Our quotation will remain open for acceptance for 12 months from the date of its opening.

Yours Faithfully,

Date:.....

Signature of Contractor with Seal

INDIAN INSTITUTE OF TECHNOLOGY (BHU) VARANASI

TO BE RETURNED

Following proforma should be filled in and duly signed by the firm and sent alongwith the quotation. (Please refer to the detailed instructions/notes before filling this proforma).

1. Validity of the offer :
2. Approximate Delivery Period :
3. (a) Whether rates have been quoted F.O.R. site and covers packing forwarding and insurance charges. : YES / NO
- (b) If not, please mention the same :
4. (a) Whether the prices are inclusive of Sales Tax and other taxes. : YES / NO
- (b) If not, kindly specify the amount / rate :
5. If the Sales Tax is charged extra, declaration for charging Sales Tax correctly attached. : YES / NO
6. (a) Whether supply will be made directly or through any Local / Regional / Authorized Dealer / Stockist : Directly/Stockist/Authorized Dealer
- (b) If through a Stockist / Dealer: -
 - (i) Name and full address of the Party :
 -
 - (ii) Whether the order to be placed with the : Principal / Stockist / Dealer
 - (iii) Who will raise the bill : Principal / Stockist / Dealer
 - (iv) Cheques will be drawn in favour of : Principal / Stockist / Dealer
 - (v) Whether any Delivery, Packing and Forwarding Charges will be payable to local Stockist/Dealer : YES / NO

(Please specify the amount/percentage etc, if any)
7. Our terms of payment (Please indicate your preference by a (✓) mark). Please note that no other payment terms are likely to be accepted.
 - (a) **For Local Firms or if the bills are raised by the Local Dealers.**
 - (i) 100% Payment on bill basis :

OR

 - (ii) 100% payment against Proforma Invoice after receipt of materials in good condition, installation and satisfactory report.
(Only under exceptional cases)

(b) If the bills are raised by outstation Firms

- (i) 100% Payment on bill basis :
- OR**
- (ii) 100% payment against Proforma Invoice after receipt of materials in good condition, installation and satisfactory report :
- OR**
- (iii) D.G.S. & D. Terms of Payment for D.G.S. & D Rate Contract items :
- OR**
- (iv) 75% against Proforma Invoice (at site) or documents through Bank and 25% after receipt of materials in good condition, installation and satisfactory report. :
- OR**
- (v) 90% payment against Proforma Invoice (at site) or documents through bank and 10% after receipt of materials in good condition, installation and satisfactory report (Only under special Circumstances). :
- 8.** Whether any Excise Duty is payable on the items. : YES / NO
If yes, indicate the amount / percentage. :%
- 9.** Whether any installation charges are payable extra. : YES / NO
If yes, amount to be specified. :
- 10.** Whether any discount for educational institution :
offered on the printed price list of the manufacturer. : YES / NO
Please mention the amount / percentage. :
- 11.** Whether the product is on DGS &D/D.I. Rate contract.
If yes, please enclose a photocopy of the same. : YES / NO
- 12.** Whether the product bears I.S.I. Mark. YES / NO
If yes, please mention the I.S.I. License no. :
- 13.** (a) Whether the firm is Sales Tax payer. : YES / NO
If yes, please mention the Sales Tax Numbers. :
- (b) Whether the Local Dealer(s) is / are Sales Tax payer(s) : YES / NO
If yes, please mention the Sales Tax numbers of each :
- 14.** Whether printed / authenticated price list of the Firm's Products and Catalogue etc. enclosed. : YES / NO

Signature of the Authorised Official with Seal

TO BE RETURNED WITH QUOTATION

UNDERTAKING***WE HEREBY UNDERTAKE THE FOLLOWING:***

1. We will not sell the product (s) to other institutions, bodies and also in the market on the rates less than those quoted by us to the Institute.
2. The goods on which Sales Tax has been charged are not exempted for payment of Sales Tax under C.S.T. Act or U.P.S.T. Act or the rules made there under and the amount mentioned on account of Sales Tax on goods is not more than what is payable under the provisions of the relevant Act or Rules made there under.
3. The rate of Excise Duty mentioned in the quotation is in accordance with the provisions of the rules and the same is payable to the Excise Authorities in respect of the stores.
4. The goods / Stores / articles offered shall be of the best quality and workmanship and their supply will be strictly in accordance with the technical specifications and particulars as detailed in the quotation.
5. The information furnished by us in the quotation is true and correct to the best of our knowledge and belief.
6. We have read and understood the rules, regulations, terms and conditions and agree to abide by them.

*Authorised
Signatory (Seal)*