

INDIAN INSTITUTE OF TECHNOLOGY, MADRAS ENGINEERING UNIT

CHENNAI - 600 036

Price Bid (Volume 2)

T. No 35/2012-13/Eldb

Name of the work : Provision of ductable split AC to PC lab at HSB 256 for

department of Mathematics in IIT Madras

Date of Submission of

Technical & Price bid

03.00 pm on 04/02/2013

Date of opening of

Technical bid

03.10 pm on 04/02/2013

Date of opening of

Price bid

: Will be intimated later

Bid Submitted to : The Executive Engineer (E),

Engineering Unit,

Administrative Block III Floor,

IITM, Chennai-36

-sd-Consultant (Elec)

-sd-

Executive Engineer (Elec)

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FOR Provision of ductable split AC to PC lab at HSB 256 for department of Mathematics in IIT Madras VOLUME-2 (PRICE BID) BILL OF QUANTITIES Other volume: Vol-1: Notice inviting tenders, Conditions of Contract, Additional specifications, General Conditions of Contract, list of approved makes etc.,

INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI 36

Name of work: Provision of ductable split AC to PC lab at HSB 256 for department of Mathematics in IIT Madras.

Tender No. 35/2012-13/Eldb

Bill of Quantities

Sl.No	Description	Qty	Unit	Rate	Amount
1.0	AIR CONDITIONERS				
1	Supply, installation testing and commissioning of air Cooled Ductable Split Unit of specified capacities. The indoor units shall be ceiling suspended type. The indoor unit shall comprise of Fan, Cooling Coil, Filter and Expansion device. The Outdoor unit shall comprise of Hermetic scroll compressors. Air cooled condenser & Condenser fan. If multiple compressor are offered, they shall have independent refrigerant circuits. Also, Compressors shall be cut-off automatically under part load conditions. The units shall have microprocessor controls. Scope shall include all supports for the indoor and outdoor units and connect the indoor door with the existing ducts and minor modification of ducts if any required for installation. The units shall be selected for Madras Ambient Conditions as specified. The units shall be factory assembled and only the refrigerant piping carried out at site. The approved make will be BLUESTAR/VOLTAS/CARRIER/HITACHI)				
1a	5.5 TR Ceiling suspended	1	Each		
(Rate	Refrigerant piping(Suction & discharge) drawn from hard copper tube of suitable sizes, with copper elbows, tees, necessary hard ware for installation etc. with thermal insulation covering	20	Metre		
	etc as required for above ceiling suspended units				
(Rate	etc as required for above ceiling suspended units in words Rupees				

abrication, installation of Galvanized steel cting complete with sheet metal / angle required, GI fasteners, bolts, nuts and guide vanes as required, supports shall ded rod and galvanized supports etc. Rupees	1.00	sqm		
a fixing of 25 mm thick rock wool stuck to e surface of ducts with synthetic adhesive lining of ducts as acoustic insulation. Rupees	1.00	sqm		
a fixing of 25 mm thick rock wool stuck to e surface of ducts with synthetic adhesive lining of ducts as acoustic insulation. Rupees	1.00	sqm		
e surface of ducts with synthetic adhesive lining of ducts as acoustic insulation. Rupees	1.00	sqm		
and fixing of aluminium powder coated ir diffuser with VCD. Rupees	1.00	sqm		
Rupeesand fixing of aluminium powder coated)
and fixing of aluminium powder coated	<u> </u>)
	1.50	aam		
r diffuser.		sqm		
Rupees)
and fixing of fire dampers of the fusible rated type, made out of 18 G GI frame and blades at the supply, return and Fresh air	0.2	sqm		
Rupees)
filters, Cowl as rain water protection &	0.1	sqm		
Rupees)
	1	Each		
	& fixing of fresh air dampers with 20 filters, Cowl as rain water protection & ch. Rupees	Rupees	Rupees	Rupees

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11	Supply and laying of 40 mm dia PVC drain piping of 4 kg /cm2 rating complete with Insulation(Nit rile Rubber), supports, fittings like elbow, tee joints, screws, clamps etc.	12	Metre		
(Rate	in words Rupees				
12	Supply, laying, terminating, testing and commissioning of PVC insulated, PVC sheathed steel armoured copper 1100V grade power\control cable as required with terminations.				
12a	4C X 6 sq.mm	20	Metre		
(Rate	in words Rupees				
12b	6C X 1.5 Sq.mm Copper cable for control	20	Metre		
(Rate	in words Rupees				
12c	End Terminations using Copper Lugs	1	1 L.S		
(Rate	in words Rupees				
13	Less buy back cost existing 2 x 3.0 TR multi split (2 indoor+4 outdoor) air conditioners of carrier make as is where is condition. The contractor shall quote the rate to purchase the AC as scrap items and quote the rate accordingly.	1	lot	(-)	(-)
(Rate	in words Rupees				
	Total				
Tota	I Amount in words Rupees		,		
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•••••		•••			
				6	sd.

Signature of the Contractor

-sa-Consultant (Elect)

-sd-Executive Engineer (E)