

INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI-36

Quotation No. 10/2014-15/ELDB

Sealed quotation are invited for Provision of packaged air conditioners to Femtosecond Laser facility at MSB GF for Physics department in IIT Madras from the reputed dealers/ manufacturers as per the details given below.

S.No	Description of Works	Qty	Unit	Rate	Amount
1	Supply, installation testing and commissioning of 5.5 TR floor mounted packaged unit with scroll compressors, wall mounted micro-processors based controllers, air cooled condensers fan & motor, Evaporator cooling coil , with fan & motor, insulated drain pan , integral refrigerant piping , safety controls & cutouts driver with shut off valves, indoor mounted control panel and housing the starters for various motors , control wiring with micro processors panel etc. including cost of erection , gas canvass connection , vibration, isolation pads , installation , civil works etc. complete .(cost not to include cost of copper piping and electrical cabling). The contractor shall prepare the drawing indicating location of the machines and their ducting arrangement for approval before commencement of the work the charge shall inclusive of first charging of refrigerant and oil . The approved make will be BLUE STAR/ CARRIER/VOLTAS)	1	Each		
(Rate in words Rupees.....)					
2	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 etc as required for above ceiling suspended units	15	Metre		
(Rate in words Rupees.....)					

S.No	Description of Works	Qty	Unit	Rates	Amount
3	Supply, fabrication, installation of Galvanized steel sheet ducting complete with sheet metal / angle iron /C-cleats as required, GI fasteners, bolts, nuts and washers guide vanes as required, supports shall be threaded rod and galvanized supports etc.				
3a	22 SWG	30	Sqm.		
(Rate in words Rupees.....)					
4	Supply & fixing of 25 mm thick rock wool stuck to the inside surface of ducts with synthetic adhesive as inside lining of ducts as acoustic insulation.	5	Sqm.		
(Rate in words Rupees.....)					
5	Supply and fixing of 13mm thick nitrile rubber using suitable adhesive on the rectangular ducts.	25	Sqm.		
(Rate in words Rupees.....)					
6	Supply and fixing of aluminium powder coated supply air patch grills with VCD.	0.72	Sqm.		
(Rate in words Rupees.....)					
7	Supply and fixing of aluminium powder coated return air patch grill	1	Sqm.		
(Rate in words Rupees.....)					
8.	Supply and fixing of fire dampers of the fusible link operated type, made out of 18 G GI frame and 22 G GI blades at the supply, return and Fresh air paths.	0.1	Sqm.		
(Rate in words Rupees.....)					

S.No	Description of Works	Qty	Unit	Rates	Amount
9	Supply & fixing of fresh air dampers with 20 micron filters, Cowl as rain water protection & bird mesh.	0.1	Sqm		
(Rate in words Rupees.....)					
10	Supply and laying of 40 mm dia PVC drain piping of 4 kg /cm ² rating complete with Insulation(Nit rile Rubber), supports, fittings like elbow, tee joints, screws, clamps etc.	6	Metre		
(Rate in words Rupees.....)					
11	Supply, laying, terminating, testing and commissioning of PVC insulated, PVC sheathed steel armoured copper 1100V grade power\control cable as required with terminations.				
11a	4C X 6 sqmm	10	Metre		
(Rate in words Rupees.....)					
11b	6C X 1.5 Sqmm Copper cable for control	12	Metre		
(Rate in words Rupees.....)					
11c	End Terminations using Copper Lugs	1	Each		
(Rate in words Rupees.....)					
Total in Figures in Rupees					

Total in Words (Rupees.....)

.....only)

Terms & Conditions

1. The quotation should be submitted on or before **13/03/2015 at 3.00 pm** at the office of the Executive Engineer (Elect) EPAX Exchange First Floor Near Admin Block, IIT Madras in closed sealed cover either in person or by post so as to reach us at the above mentioned date & time. The quotation thro' e-mail will not be accepted.
2. The supply shall be 10 days from the date of purchase order.
3. The supplier should submit the phamlet of the machine to be proposed for supply. In case if the machine will not satisfy as per our specifications, the quotations will be summarily rejected.
4. No advance payment and the payment shall be made on receipt of invoice after effecting the supply and on completion for down side works.
5. The successful tenderer will have to arrange all the tools & ladder for the work and minor civil works such as closing of the holes for refrigerant pipes/drain pipes with cement plastering.

Sd-
Executive Engineer (Elect)