

INDIAN INSTITUTE OF TECHNOLOGY MADRAS,CHENNAI 36

Name of work: Replacement by Provision of Packaged type air conditioners to Common Equipment room at BT 312 of Biotechnology Building in IIT Madras

Quotation No. 08/2018-19/ELDB

Sl. no	Description	Quantity	Unit	Rate	Amount
1.0	AIR CONDITIONERS				
1	Supply, installation testing and commissioning of air Cooled Packaged type AC of specified capacities. The indoor units shall be floor mounted type. The indoor unit shall comprise of Fan, copper Cooling Coil, Filter and Expansion device. The Outdoor unit shall comprise of Hermetic scroll compressors. Air cooled copper 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 & flurr nuts in the outdoor units. Scope shall include all supports for the indoor and outdoor units. 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 contractor shall submit the phamlet of the model/make of the unit at the time of submission of the tender. The approved make will be O General/ Bluestar/ Carrier/ Hitachi/ Daikin.				
1a	5.5 TR Packaged type AC	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	20	Metre		
(Rate in words Rupees)					

Sl. no	Description	Quantity	Unit	Rate	Amount
3	First charge of refrigerant & oil for the above unit	1	Each		
(Rate in words Rupees)					
4	Supply, fabrication, installation of Galvanized steel sheet ducting complete with sheet metal / angle iron as required, GI fasteners, bolts, nuts and washers guide vanes as required, supports shall be threaded rod and galvanized supports etc.				
4a	22 SWG	10	sqm		
(Rate in words Rupees)					
5	Supply installation testing and commissioning of GI volume control damper complete with neoprene rubber gaskets, nuts bolts screws linkages flanges etc as per specification.	0.5	sqm		
(Rate in words Rupees)					
6	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.	0.5	sqm		
(Rate in words Rupees)					
7	Supply & fixing of fresh air dampers with 20 micron filters, Cowl as rain water protection & bird mesh.	0.30	sqm		
(Rate in words Rupees)					
8	Supply & fixing of Fire retardant synthetic canvass connection with a provision to measure the canvass temperature at the mouth of 5.5/8.3 TR Ductable unit.	1	Each		
(Rate in words Rupees)					

Sl. no	Description	Quantity	Unit	Rate	Amount
9	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.	10	Metre		
(Rate in words Rupees)					
10	Supply, laying, terminating, testing and commissioning of PVC insulated, PVC sheathed steel armoured copper 1100V grade power\ control cable as required with terminations.				
10a	4C X 6 sqmm	20	Metre		
(Rate in words Rupees)					
10b	6C X 1.5 Sqmm Copper cable for control	20	Metre		
(Rate in words Rupees)					
10c	End Terminations using Copper Lugs	1	1 L.S		
(Rate in words Rupees)					
	Sub Total I				
Sub Total I in words Rupees					

Sl. no	Description	Quantity	Unit	Rate	Amount
II	Buy back				
1	Less buyback of 5.5 TR packaged type AC indoor & outdoor (Make: BLUE STAR) with copper piping control panel. The contractor should take these materials as buy back item of the contract. The rate quoted by this item will be deducted from the bill. After completion of the work, the contractor will be allowed to take these materials from the campus.	1	Each		
(Rate in words Rupees)					
	Sub Total II (for Buy back)				
Sub Total II in words Rupees					
	Grand Total (Sub Total I – Sub Total II)				
Grand Total in words Rupees					

Terms & Conditions

1. The quotation should be submitted on or before **17/12/2018 at 3.00 pm** at the office of the Superintending Engineer i/c, Engineering Unit, Near Administrative Block 3rd floor, IIT Madras, Chennai-600036 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 7 days from the date of purchase order.
3. The supplier should submit the pamphlet of the machine to be proposed for supply. In case the machine does not satisfy our specifications, the quotations will be summarily rejected.
4. 100% payment against the supply and installation. Rates quoted shall be inclusive of GST. The quotation may be downloaded from <http://tenders.iitm.ac.in>
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.

Signed/-
Consultant (Elect)

Signed/-
Superintending Engineer i/c