

BILL OF QUANTITY (B.O.Q.)

Sub.: "Supplying Installation Testing and Commissioning of Air Conditioning system at JIPMER Academic Centre, Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Dhanvantri Nagar, Gorimedu, Puducherry.".

SL NO.	DETAILS OF WORK	UNITS	QUANTITY	RATE	AMOUNT
1	Supply, installation, testing & commissioning (SITC) of 5.5 TR, 2200CFM capacity Air Cooled Ductable Split Units. The indoor unit shall be ductable split type complete with DX copper coil, filters, blowers with motor and drive, refrigerant piping connection port, first charge of refrigerant & oil, HP / LP cut-out, thermostatic / electronic expansion valve, distributor, starter, canvass connection & other necessary controls to form a factory tested compact unit. The outdoor unit shall have condenser copper coil, fans with motor and drive, scroll compressor, panel etc. Unit shall be suitable for three phase operation.	Nos	2		
2	Supply, installation, testing and commissioning of suitable hard drawn copper refrigerant piping for 5.5 TR machine with 13 mm nitrile rubber insulation interconnecting the condensing unit to evaporating unit for packaged units as per site condition	Rmt	30		
3	Supply, Laying and Fixing of control cabling of suitable size required from the Indoor to outdoor units for all units as per specification.	Rmt	70		
4	Supply, installation, testing and commissioning PVC drain pipe ISI marked, connecting the drain lines from the indoor	Rmt	20		

	units to floor sump, with 9mm nitrile rubber insulation as per specification of 32mm dia				
5	SITC of Humidity Controller electric strip heaters in supply air plenum complete with fixing arrangements humidistat and safety thermostat including all supports, terminations, power and control wiring	Nos	2		
6	Supply, installation balancing and commissioning of factory fabricated GSS sheet metal ducts rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter, dampers, vanes, hangers, supports etc as per approved drawings & specification of following sheet thickness				
	24 G	Sq.mt	120		
	22 G	Sq.mt	20		
7	SITC of External thermal insulation on supply air ducts using min 12mm thick nitrile rubber class "O" closed cell type with antimicrobial protection as per specifications	Sq.mt	140		
8	Supply, installation, testing and commissioning of Acoustic duct lining using 10mm nitrile rubber insulation open cell type inside the ducts, antimicrobial protection at the outlets of all indoor units upto 4m distance from fan outlet as per spec provided.	Sq.mt	12		
9	Supply, fabrication, installation, testing of flexible connections made out of fire resistant flexible double canvas sleeve.	Nos	2		
10	SITC supply air diffusers of powder coated aluminum with aluminum volume control dampers with anti smudge ring & removable core.	Sq.mt	5		
11	SITC Return air diffusers of powder coated aluminum without volume control dampers with anti smudge ring &	Sq.mt	6		

	removable core.				
12	SITC of multi blade type volume control dampers made of extruded aluminum for ducts/ collars to be provided with suitable links, levers and quadrants for manual control of volume of air flow and for proper balancing of the air distributions system in main ducts, return ducts & other area as per specification.	Sq.mt	3		
13	SITC of Aluminum Extruded Fresh air louvers with wire mesh and birds screen for IDUs/AHUs as per specifications.	Sq.mt	2		
14	Supply, installation balancing and commissioning of site fabricated GSS sheet metal ducts rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter, dampers, vanes, hangers, supports etc as per approved drawings & specification of following sheet thickness				
	Thickness 0.63 mm sheet	Sq.mt	13		
	Thickness 0.80 mm sheet	Sq.mt	8		
Total Amount					

Rupees.....
..... only)

N.B: The Bidder shall quote his price which should include GST, and all other levies applicable. No extra cost will be entertained on account of any Taxes and duties.

SIGNATURE OF THE BIDDER WITH SEAL & DATE