

Date: 24.02.14, Revision 0

Ref.: Pre bid Meeting for Classroom Modifications

Time : 10.30 Hrs to 14:00 Hrs

Those Present: Mr. Rakesh Mandgaonkar- Archivist (AV)
 Mr. Ravindra Bankar – (IITM)
 Mr. Mahesh Dharuha –(IITM)

S.No.	Description	Reply
01	Contractors asked for additional make for Air terminal devices	Air product shall be consider as a approved make.
02	Contractors asked for Ductable Unit type	Inverter compressor based, green gas unit with single compressor shall be consider.
03	Contractors raised query regarding the Fresh air provision.	Fresh air fan will be added in revised BoQ (Attched with this email) Make- system air/carryair/
04	Contractors asked for civil and other utility related work involved in the project.	All civil related opening closing and finishing shall be done by successful contractors. In addition to that any light fixture, smoke detector or anything removal and re fixing is scope of successful contractor only. (In all respect to complete the job)
05	Contractor Asked for approval for Hitachi make	Can be consider as accepted.
06		

Provision of Additional HVAC System For Lecture Halls for Indian Institute Of Tropical Meteorology at Pashan, Pune.							
SI.No	Description of Work. PART "A"	Unit	Qty	Supply Rate (Rs.)	Total Supply Amount (Rs.)	Total	
						Labour Rate (Rs.)	Total Labour Amount (Rs.)
1	The system should be with necessary IDU's & ODU's.Out Door Unit shall be complete with Inverter type compressor only, microprocessor . The system should be with necessary combinations of IDU's & ODU's along with necessary interconnecting Cabling, Refrigerant charge, Drain pumps in all IDU's etc.						
1.1	SITC of Ductable Units of following configuration, with corded remote,canvas connection, MS stand, Treated rod of sufficient size,						
1.1.1	11.0 TR @ 2400 CFM	Nos	1		-		-
1.1.2	16.0 TR @ 3200 CFM	Nos	R.O.				
1.2	Supply and laying of 22 G soft Refrigerant Pipes with 9 mm thick nitrile rubber insulation over suction and liquid line, Cable trays for running refrigerent pipes and pressure testing, nitrogen flushing						
1.2.1	5/8 And 11/8	Rmt	35		-		-
1.3	SITC PVC sheathed control copper cables including end termination for various equipment through walls/ceiling over cable trays & fixing arrangement, Glands complete in all respect	Rmt.	35		-		0
1.4	SITC of GI Ducting Factory Fabricated with Duct Mate Flanges as per SMACNA with insulation of Rubber Nitrile with pre clad AL Armaflex / K-Flex make.inclusive of supports 8 mm GI Threaded rod and C channel (40x40x2.55 mm thk). The RTV sealent shall be considered. Refer technical specification for more details. The thickness of the insulation shall be 13 mm for supply as well for return air. The thermal insulation shall be closed cell rubber nitril with factory pasted AL foil.						
1.4.1	18 guage	SQM	R.O.				
1.4.2	20 guage	SQM	R.O.				
1.4.3	22 guage	SQM	115		0		0
1.4.4	24 guage	SQM	85		0		0
1.5	Duct Acoustical insulation for Supply air ducting with Armaflex/ K flex open cell sound insulation.Armasound/eq.super sileance duct linear with micro ban, open cell, elastomeric nitrile rubber of 10 mm thick."	SQM	45		0		0
1.6	Extruded Aluminium powder coated box type supply air dampers opposed blade construction	SQM	5		0		0
1.7	Aluminium Powder Coated Linear Grilles with VCD (Volume Control Damper)	SQM	R.O.				
1.8	Hard UPVC drain piping (2 mm thick) with 32 mm heatlon insulation & finished with PVC tape. Plumbing grade pipe only clamped properly.						
1.8.1	25 NB	RMT	R.O.				
1.8.2	32 NB	RMT	35		0		0
1.8.3	50 NB	RMT	R.O.				
1.8.4	80 NB	RMT	R.O.				
1.9	Supply & installation of motorised damper,with piano switch & electrical cabeling. Complet in all respect.	SqM	1.5		0		0
1.10	Preinsulated flexible duct with end clamps as required in various sizes as below. The duct shall fire retardant UL standard approved.						
1.10.1	100 - mm Dia	Rmt.	R.O.				
1.10.2	125 - mm Dia	Rmt.	R.O.				
1.10.3	300 - mm Dia	Rmt.	R.O.				
1.10.4	450 - mm Dia	Rmt.	50		-		0
1.11	Removing of existing armstrong 600 X 600 mm grid false ceiling of class room to install the duct and diffuser Reinstaltion of the same shall be done after succesfull fixing of HVAC duct ,diffuser and indoor unit isttallation. Any damage tile shall be replace by new one of same make and Quality. including wall opening and finishing for return air path. Scrap shall be manage as per client location. All civil related work and rework shall be done by succesfull bidder.	Sq.m	280		-		0
1.12	SITC of Duct line fresh air fan with 600 CFM @ 15 mm static, flexible connection at both end 250 mm dia PVC pipe of 5 mtr length	Lot	1		-		0
1.13	Any Civil, electrical related activity as per site visit to comple the	Lot	1				
					-		-
	GRAND TOTAL				-		
	NOTE- VAT on Supply & Service Tax on Louber part will extra as Applicable.						