

In addition existing ATC, the following amendment hereby issued in existing Technical Specification and subsequent clause:

S.N.	Clause No.	Existing Clause	Read As
01	Technical Specification Page no 9, FORM A- Sr No. 15 clause (iv)	Dismantling & shifting of the old Ventilation Plant ducting from the Proposed halls to our scrap yard should be done.	Deleted.
02	Technical Specification Page no 8 FORM A- Sr No. 1	AHU details: Coil Row: 4/6 Circuit: two nos.	AHU details: Coil Row: 6 per circuit (Circuits: Minimum two nos.)
03	Technical Specification Page no 8 FORM A- Sr No. 2	VRF Outdoor Unit: 22 TR Capacity (Minimum). 10 Nos.	VRF Outdoor unit per AHU:- 44 TR capacity (minimum) consisting of at least two outdoor units.
04		General Terms & Conditions	Pre-Dispatch inspection of the equipment and Electrical control panel will be done at manufacturer's place by ISP officials. Travel expenses of ISP officials will be borne by ISP.
	Technical Specification Page no. 7-General Terms and condition- Point No. 12	12. Pre-Dispatch inspection of the equipment will be done at manufacturer's place by ISP officials. Travel expenses of ISP officials will be borne by ISP.	
	Technical Specification Page no 8-General Terms and condition- Point No. 14	14. Testing, commissioning & Fulfillment of the Statuary requirements along with necessary test reports including Structural stability certificate as required by the competent authorities shall be done by the firm.	
	Technical Specification Page no 8-General Terms and condition- New Point No. 21	21. New point to be added as	
05	Technical Specification page no 8, FORM A- Sr No. 3	Copper piping:	Design of copper piping size is under the bidder's scope.
		Pair of copper piping between AHU & ODU: 34.9mm & 19.1mm	
		Pair of copper piping between AHU & ODU: 28.6mm & 15.9mm	
		Pair of copper piping between AHU & ODU: 28.6mm & 12.7mm	
		Pair of copper piping between AHU & ODU: 41.3mm & 22.2mm	
06	Technical Specification Page no 9, FORM A- Sr No. 6	XLPE Insulated FRLS heavy duty power cables 4 core x 16 Sq.mm copper armoured cable	Design of cable size is under the bidder's scope.
		4 core x 10 Sq.mm copper armoured cable	
		4 core x 6 Sq.mm copper armoured	

		cable	
		Surface PVC conduit MMS with accessories: 25 mm	
07	Technical Specification page no 9, FORM A- Sr No. 16	FULLY COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT	FULLY COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT
		(CAMC)	(CAMC) after completion of warranty Period.
		CAMC FOR 2nd Year	CAMC FOR 1st Year
		CAMC FOR 3rd Year	CAMC FOR 2nd Year
		CAMC FOR 4nd Year	CAMC FOR 3rd Year
		CAMC FOR 5nd Year	CAMC FOR 4th Year
08		List of Approved Makes for Equipment & Materials	Equipments & Materials
	Technical Specification Page no. 26, Point no. 2	1. Air Handling Units: Edgetech / Zeco / Luftek / System	1. Air Handling Units: Edgetech / Zeco / Luftek / System or equivalent
	Technical Specification Page no. 26, Point no. 3	2. U/V Filters (Water): ALFA (Ace Hygiene)	2. U/V Filters (Water): ALFA (Ace Hygiene) or equivalent
	Technical Specification Page no. 26, Point no. 6	3. Bronze free Joints for Copper Tube: Conex / Daikin / Reflex	3. Bronze free Joints for Copper Tube: Conex / Daikin / Reflex or equivalent
	Technical Specification Page no. 26, Point no. 11	4. GI Ducting: Asawa / Nutech / Prime Duct / Rolastar	4. GI Ducting: Asawa / Nutech / Prime Duct / Rolastar or equivalent
	Technical Specification Page no. 27, Point no. 24	5. VFDs: Danfoss / Mitsubishi Electric / Schneider / Siemens / Larsen & Toubro	5. VFDs: Preferable make- Danfoss / Mitsubishi Electric / Schneider / Siemens / Larsen & Toubro / ABB/ equivalent. Bidders quoting equivalent make for VFDs have to submit the relevant documents confirming that it is equivalent to the preferred make, failing which the offer will not be considered. Note: Bidders should submit the Product catalogue with complete Technical Specifications of the offered make (including equivalent make) of above items along with the technical bid.
09.	Technical Specification Page no. 3, Point no. 8 (Thermal Insulation)	Thermal Insulation:	PUF required with minimum 26-gauge aluminum cladding.
		Supply & providing of thermal insulation of ducts Polyurethane Foam (PUF), 13 mm Thick (Make: Aerocel/ Armacel/ K-FLEX/ Equivalent)	

10	Technical Specification Page no. 5, Point no. 14 (Electrical panel) Clause no. (iii), Sub-Clause no. 7	DDC system	Stand alone DDC system required with HMI (touch screen) controller minimum size of 9 inch.
11	Technical Specification Page no. 4, Point no. 14 (Electrical panel)	BAS system	Compatible with BAS. i.e. Building Automation System.
12	Technical Specification Page no. 4, Point no. 14 (Electrical panel), Clause no (v) New Point	14. Electrical panel	Additional Point- (V) Bidder has to submit Single Line diagram, GA drawing, detailed dimensional drawing for the proposed Electrical control panel at the time of bidding.
13	9. Payment Terms: -	i) The 100% payment will be released after Supply, installation, testing and commissioning of Air Handling Units and its acceptance and on submission of required documents. ii) The payments towards CAMC will be released on quarterly basis.	(i) MATERIAL: a) 80% payment of bill value after receipt & acceptance of the material. b) Balance 20% payment will be done against FAC of complete project. (ii) Installation, Testing and commissioning: 100% payment will be done against FAC of complete project. iii) The payments towards CAMC will be released on quarterly basis on submission of all required documents.

The firm has submit the price break in following manner:

Annexure A								
Sr. No.	Item Description	Basic Rate	GST in %	GST in Rs.	Per Unit Price incl of GST	Qty	Unit	Total Price
1	AHU: CFM:18,000 (Minimum) Fan Static Pressure: ESP 20MM Capacity: 44 TR capacity (Minimum), Coil Row: 6 per circuit, Minimum 2 Nos.					5	Nos.	
2	VRF Outdoor unit per AHU:- 44 TR capacity (minimum) consisting of at least two outdoor units.					Minimum 02* 5(AHU)	Nos.	
3	Pair of copper piping between AHU & ODU					1	Lot	

4	Drain Piping 32 mm					150	M		
5	Drain Piping 40 mm					200	M		
6	Control &Trans.Wiring: 2 c x 0.75 Sq.mm					500	M		
7	Control &Trans.Wiring: 4 c x 1.5 Sq.mm					800	M		
8	XLPE Insulated FRLS heavy duty power cables					1	Lot		
9	XLPE Insulated FRLS heavy duty power cables Surface PVC conduit MMS with accessories					1	Lot		
10	Ducting: 18 Gauge					300	M ²		
11	Ducting: 20 Gauge					400	M ²		
12	Ducting: 22 Gauge					200	M ²		
13	Ducting: 24 Gauge					2000	M ²		
14	Thermal Insulation					2500	M ²		
15	Acoustic Insulation					300	M ²		
16	VCD					20	M ²		
17	Motorized damper					5	M ²		
18	Actuator with control panel					3	Nos.		
19	Canvass Connection					3	Nos.		
20	Installation of VRF units (Condenser)					1	Lot		
21	Aluminium Diffuser with Damper					30	M ²		
22	Thermostatic Expansion valve					10	Nos.		
23	Hand Shut off valve					10	Nos.		
24	Refrigerant Gas					As per requirement	Kg		
25	Cable Tray: 300 x 50 x 2 mm Thick					120	M		
26	Cable Tray: 200 x 50 x 2 mm Thick					150	M		
27	Cable Tray: 50 x 50 x 2 mm Thick					200	M		
28	Electrical panel for 3 Nos. AHU					1	No.		
29	Electrical panel for 2 Nos. AHU					1	No.		
30	Miscellaneous civil work as per require					1	No.		
31	MS structure work					10000	Kg		
32	Total Installation, testing and commissioning charges					1	AU		
TOTAL (A)									

ANNEXURE B						
1	1 st Year CAMC				04 AU	
2	2 nd Year CAMC				04AU	
3	3 rd Year CAMC				04 AU	
4	4 th Year CAMC				04 AU	
TOTAL (B)						

Note: The total of Annexure -A and Annexure- B is equal to the total quoted price.