

CORRIGENDUM NOTIFICATION 1

RFP No. NIDJ/2020-21/ ESTATE/HVAC/2263

Dated: 27.10.2021



राष्ट्रीय डिजाइन संस्थान, असम
National Institute of Design, Assam

Ref: Tender Notice No. NIDJ/2020-21/ ESTATE/HVAC/2263 22.10.2021 for Supply, Installation, Testing and Commissioning of VRV/VRF HVAC System at Workshop Building of NID, Assam

Amendment

Page no. 56-62 Price Bid

Sample Price Bid to be modified as per the following: -

SR. NO.	Ref	DETAILED DESCRIPTION AND SPECIFICATION	QTY	UOM	RATE (in Rs.)	TOTAL
						AMOUNT (in Rs.)
1	NSR	Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), minimum two compressors for above 14 HP modules, microprocessor-based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, vibration isolators, with suitable foundation etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5				
		Outdoor units suitable for following capacities:				
1 (a)		18 HP VRF ODU	4	Each		

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2	NSR	Supply, installation, testing and commissioning of following minimum capacity VRV/VRF High wall type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, outer cabinet, cord less remote control, drain pan, necessary accessories etc., suitable for operation on 230 V \pm 10%, 50 Hz, single phase AC supply, complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature.- High wall type				
2 (a)		VRF wall mounted decorative Indoor units , indoor unit shall be complete with wireless controller 2 TR including all accessories	2	Each		
3	NSR	Supply, installation, testing and commissioning of following minimum capacity 4-way flow VRV/VRF Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V \pm 10%, 50Hz AC supply,				

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		complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature - Indoor Cassette type				
3 (a)		VRF 4-way cassette type decorative Indoor unit 4.48 TR including all accessories (ceiling mounted)	1	Each		
3(b)		VRF 4-way cassette type decorative Indoor unit 4.12 TR including all accessories (Ceiling mounted)	3	Each		
3 (C)		VRF 4-way cassette type decorative Indoor unit 3.2 TR including all accessories (ceiling mounted)	9	Each		
3(d)		outdoor multi connection piping kit- Air cooled unit	2	Each		
Sub-Total (A)						
4	NSR	Supply, Installation, testing and commissioning including vacuumization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required :				
4. a		41.27 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	47	mtr		

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4. b		34.9 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	28	Mtr		
4. c		28.6 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	78	Mtr		
4. d		22.2 mm dia (OD) (Soft drawn) with tube thickness 1.62 mm with 19 mm thick insulation	24	Mtr		
4. e		19.1 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	72	Mtr		
4.f		15.9 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13 mm thick insulation	165	Mtr		
4.g		12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13 mm thick insulation	45	Mtr		
4.h		9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13 mm thick insulation	200	Mtr		
5	DSR 2018 E&M	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required				
5. a	4.1.2	150mm width x 50 mm depth x 1.6 mm thickness	160	Mtr		
5. b	4.1.4	300mm width x 50 mm depth x 1.6 mm thickness	150	Mtr		
6	1.17	2 core 1.5 sqmm flexible control cable with saddles/supports & PVC conduits with hard PVC to connect outdoor units with indoor	620	mtr		
7		Rigid PVC Drain Pipe with insulation				
7.a	NSR	25 mm Dia	90	Mtr		
7.b	NSR	32 mm Dia	90	Mtr		

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8	DSR 2021 4.1.5	1:3:6 mortar Civil Foundation For base of ODU (M-15 PCC)	5	Cm		
9	NSR	Supply and installation of structural steel	68.2	kg		
Electrical Installation						
10	2.5	supplying and fixing of following ways surface/ recess, mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB (but without MCB and incomer) as required. (Note: vertical type MCB TPDB is normally used where 3 phase outlets are required.				
a	2.5.1	4- way	2	Each		
11	2.1	Providing and fixing of following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuse including drilling holes in cubical panels, making connections etc as required				
	2.1.2	63A tp&n	5	EACH		
12	NSR	supplying and fixing of aluminium conductor 25 sq mm 3.5 core	100	mtr		
				Sub-Total (B)		
				Grand Total (A +B)		
				GST Rate (%)		
				GST Amount (In Rs) (C)		
				Grand Total (A+B+C)		

Shalita
27/10/2021
CHIEF ADMINISTRATIVE OFFICE

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