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## Item Rate BoQ

Tender Inviting Authority: ITPO Pragati Maidan, New Delhi-110001.

Name of Work: SITC of New Air Handling Units along with the related accessories for HVAC Plant for hall no. 8-10 at Pragati Maidan, New Delhi

Contract No: 169-ITPO(1)E-E/20-21/2094

Name of the Bidder/ Bidding Firm / Company :						
<div>PRICE SCHEDULE</div> <div>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )</div>						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE inclusive all taxeswith GST In Figures To be entered by the Bidder ( With GST)	TOTAL AMOUNTInclusive all taxeswith GST ( (With GST)	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Supplying,Installation,Testing,Commissioning of Double skin floor mounted horizontal Air Handling Unit that has 50 mm thick(EU-4) box type pre filter, coil section with 6 row deep chilled water cooling coil, fan section with DIDW centrifugal backward curved fan, drive set with V- belt and motor (IE3) complete with civil works to fix the new AHUs along with dismantling and buy-back of existing AHUs etc as required with the following specification: MAKE: ZECO Aircon/EDGETECH/SYSTEMAIR/ABS AIRTECH 1.Panel: Outer skin: not less than 0.8 mm Pre-coated GI, Inner skin: not less than 0.8 mm Plain GI & Thickness: 25 mm thick,CFC Free PUF injected (Density:40 kg/Cu. m) Frame work : Unit base: Heavy duty GSS & Profile: Thermal Break Aluminium profile. Cooling Coil (Chilled water type): Tube material: Copper, Tube thickness: not less than 0.41 mm, Outside dia.: not less than 12.7 mm, Header Material: MS, Coil casing: GI, Fin material: Plain Aluminium, Fin spacing: 11-13 FPI, Condensing Tray: 22G SS-304, Test Pressure: 21 kg/sq. m. & Insulation material for drain tray: 13 mm thick close cell Nitrile rubber. Spectrum/Mechmark/Puramatic NICOTRA/KRUGER/GREENHECK BHARAT BIJLEE/HAVELLS/ABB/Seimens & Efficiency Factor: IE3 Special features:1. AHUs must be CE certified 2. AHUs should also certified for mechanical and thermal performance as per EN 1886 standard (European Standard) 3.All coils must be AHRI certified as per test standard ARI-410 4. All coils are UL certified for safety.					
1.01	13000 to 15000 CFM size AHU	1.000	Nos		0.00	INR Zero Only
1.02	18000 to 20000 CFM size AHU	2.000	Nos		0.00	INR Zero Only
1.03	28000 to 30000 CFM size AHU	5.000	Nos		0.00	INR Zero Only
2	Supplying,Installation,Testing,Commissioning of new M.S. Chilled water Piping complete with all accessories, duly insulated with 32mm Class "O" Nitrile Rubber Insulation, fiber glass clothing and painting after dismantalling and buyback of existing wornout Piping in existing AHU Rooms at various locations etc. as required. MAKE: SAIL/JINDAL/TATA					
2.01	80mm	30.000	MTR		0.00	INR Zero Only
2.02	65mm	5.000	MTR		0.00	INR Zero Only
2.03	50mm	5.000	MTR		0.00	INR Zero Only

3	<b>Supplying,Installation,Testing,Commissioning of following dia M.S. Drain Pipe duly insulated with 32mm Class "O" Nitrile Rubber Insulation with fiber glass clothing and painting after dismantalling and buyback of existing wornout Piping in existing AHU Rooms at various locations etc. as required. MAKE: SAIL/JINDAL/TATA</b>					
3.01	40mm	25.000	MTR		0.00	INR Zero Only
3.02	32mm	15.000	MTR		0.00	INR Zero Only
4	<b>Supplying,Installation,Testing,Commissioning of following sizes Manual Butterfly Valve with SS Disc complete with all accessories and duly insulated with 32mm Class "O" Nitrile Rubber Insulation with fiber glass clothing and painting after dismantalling and buyback of existing wornout Valve in existing AHU Rooms at various locations etc. as required. MAKE : SANT/CASTLE/ AUDCO/ ADVANCE/ZOLOTO</b>					
4.01	80mm	10.000	Nos		0.00	INR Zero Only
4.02	65mm	4.000	Nos		0.00	INR Zero Only
4.03	50mm	2.000	Nos		0.00	INR Zero Only
5	<b>Supplying,Installation,Testing,Commissioning of following sizes Balancing Valve Valve with SS Disc complete with all accessories and duly insulated with 32mm Class "O" Nitrile Rubber Insulation with fiber glass clothing and painting after dismantalling and buyback of existing wornout Valve in existing AHU Rooms at various locations etc. as required. MAKE : SANT/CASTLE/ AUDCO/ADVANCE/ZOLOTO</b>					
5.01	80mm	5.000	Nos		0.00	INR Zero Only
5.02	65mm	2.000	Nos		0.00	INR Zero Only
5.03	50mm	1.000	Nos		0.00	INR Zero Only
6	<b>Supplying,Installation,Testing,Commissioning of following suitable sizes 2 Way / 3 Way Motorized Valve with Actuator, Thermostat and Wiring complete with all accessories, duly insulated with 32mm Class "O" Nitrile Rubber Insulation with fiber glass clothing and painting after dismantalling and buyback of existing wornout Valve in existing AHU Rooms at various locations etc. as required. MAKE: DISTECH/JCI/HONEYWELL/SIEMENS</b>					
6.01	Suitable for 80mm CHW Pipe Line	5.000	Nos		0.00	INR Zero Only
6.02	Suitable for 65mm CHW Pipe Line	2.000	Nos		0.00	INR Zero Only
6.03	Suitable for 50mm CHW Pipe Line	1.000	Nos		0.00	INR Zero Only
7	Supplying,Installation,Testing,Commissioning of IP Based BACNet BMS Standalone 32 Bit Controllers suitable for AHU Automation (2 or more AHU Per Controller ) alongwith DDC Panel Enclosure complete with copper conductor Internal Wiring, Power supply and other accessories etc. required for DDC Panel to function in existing AHU Rooms at various locations etc. as required. MAKE: DISTECH/JCI/HONEYWELL/SIEMEN	4.000	Nos		0.00	INR Zero Only
8	<b>Supplying,Installation,Testing,Commissioning of following add on accessories/modifications for the existing IP Based BACNet BMS Standalone Controllers complete with copper conductor Internal Wiring in existing AHU Rooms at various locations etc. as required.</b>					
8.01	Duct type Return Air Temperature. MAKE: DISTECH/JCI/HONEYWELL/SIEMENS/DWYER	8.000	Nos		0.00	INR Zero Only
8.02	Curent Relay. MAKE: DISTECH/JCI/HONEYWELL/SIEMENS/DWYER	8.000	Nos		0.00	INR Zero Only
8.03	Accessories in AHU Electrical Starter Panel / necessary modifications to make it compatible for BMS.	8.000	Nos		0.00	INR Zero Only
8.04	2C*1.0Sqmm ATC Armoured Signal Control Cables Required for Connecting AHU, Field Devices, Electrical Panel & DDC Enclosure. MAKE: POLYCAB/FUSION POLYMER/BATRA HENLEY	2100.000	MTR		0.00	INR Zero Only
9	<b>Supplying,Installation,Testing,Commissioning of following accessories with necessary insulation etc. in existing AHU Rooms at various locations etc. as required.</b>					
9.01	Temperature Gauge. MAKE : H.GURU/Equivalent	16.000	Nos		0.00	INR Zero Only
9.02	Pressure Gauge. MAKE : SANT/CASTLE/ AUDCO/ ADVANCE/ZOLOTO	16.000	Nos		0.00	INR Zero Only
9.03	25mm Size Drain Valve. MAKE : SANT/CASTLE/ AUDCO/ ADVANCE/ZOLOTO	16.000	Nos		0.00	INR Zero Only
9.04	Auto Purge Valve. MAKE : SANT/CASTLE/ AUDCO/ ADVANCE/ZOLOTO	8.000	Nos		0.00	INR Zero Only

10	Repairing of damaged portion of Supply Air Plenum by providing and fixing 20 SWG GI sheet in existing AHU at various locations etc. as required. MAKE: SAIL/JINDAL/TATA	12.000	Sq.MTR		0.00	INR Zero Only
11	Repairing,Testing,Commissioning of existing VFD for AHUs of 13000 CFM to 30000 CFM capacity including replacement of mother board,display and other all accessories etc. to make VFD functional and integration with mixing valve through New controller in New AHUs at various locations etc. as required. (Repairing of VFD must be done by authorised OEM agency)	8.000	Nos		0.00	INR Zero Only
<b>Total in Figures</b>					<b>0.00</b>	INR Zero Only
<b>Quoted Rate in Words</b>		<b>INR Zero Only</b>				