

SITC of CO2 based AHU Damper Controller at SBI GITC,CBD Belapur



SBI INFRA MANAGEMENT SOLUTIONS PVT. LTD.
(A Wholly Owned Subsidiary of SBI)

HEAD OFFICE

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PRICE BID (Part-2)

TENDER FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING (SITC) OF CO2 BASED AHU DAMPER CONTROLLERS AT GITC,BELAPUR.

Vice President & Circle Head,

SBIIMS, GITC, Circle office,

1st Floor, C wing, SBI GITC Office, Sector 11,

CBD Belapur, Navi Mumbai 400 614

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022-27537416

PRICE BID - BILL OF QUANTITIES**INSTALLATION OF 14NOS OF CO2 SENSORS AND AUTOMATION OF FRESH AIR INLET DAMPERS IN AHU ROOMS OF AC PLANTS AT GITC BELAPUR.**

Sl No	Description	Unit	Qty	Rate(Rs)	Amount(Rs)
1	<u>CO2 Sensor Duct Mount</u> Supply, installation, testing and commissioning of duct mounted CO2 sensor and integration with the CO2 monitoring system 0-2,000 ppm CO2 monitoring Output Signal: 0-10V (0-2,000 CO2).	Nos.	12		
2	<u>CO2 Sensor wall Mount</u> Supply, installation, testing and commissioning of room mounted CO2 sensor and integration with the CO2 monitoring system 0-2,000 ppm CO2 monitoring Output Signal: 0-10V (0-2,000 CO2).	No.	1		
3	<u>RS485 Cable</u> Standard 4 Pair cable with multiple strand which makes it prone to electromagnetic interference and compatible for usage in the existing electrical conduit to transmit data and power.	Mtrs	280		
4	<u>400 X 400mm Damper with Actuator</u> Supply, installation, testing and commissioning of motorized non spring return GI damper and its integration with the CO2 monitoring system to adjust the damper position as per the outside air requirement. Actuator with 10 Nm torque and IP 55 protection operating on AC 220V and DC 24/12V.	Nos.	12		
5	<u>Flexible Power Cable (2 core x 1.0 sqmm)</u> Supply and installation of flexible power cable to provide connections between the power supply points and DDC controller/Motorized damper.	Mtrs	150		
6	<u>Wooden partition</u> Wooden partitions will be provided at exterior opening where the motorized dampers will be installed to cover up the cut-out spaces post installation of the damper including fixing of 400x400 mm size GI net to protect from birds entry.	Sq. Ft.	200		
7	<u>Foam filing</u> Foam filling will be used to seal the gaps between the cut-outs and the chilled water pipes after the wooden partitions are fixed.	Job	1		
8	<u>DDC with 8-32 Bit with vandal proof lockable and secure MS cabinets.</u> DDC consists of Multiple Digital and Analog pins for monitoring the field devices. It consists 6 Digital Input pins (Di), 4 Digital Output pins(Do), 4 Analog Input pins (Ai) and 2 Analog Output pins(Ao).	Nos.	13		

9	<u>Power Supply</u> Supply and installation of the power supply points to provide power to the DDC controller and the motorized dampers.	Nos.	13		
10	<u>CAT 6 Cable</u> Category – 6 is a standard twisted pair cable used for network physical layer communication. This is used to connect the Gateway to the Network Router/Switch.	Mtrs	600		
11	<u>20mm PVC Conduit pipe with accessories</u> Supply and installation of PVC conduit pipes and accessories required to carry the power cables from the power supply points to the DDC controller/motorized damper.	Mtrs	850		
12	<u>Network Switch with 8 port</u> Supply and installation of network switches used for extending the Ethernet port and connecting the PoE devices to the Network.	No.	24		
13	<u>Centralized monitoring Server I3 Dell / HP</u> Supply and installation of the centralized server to monitor the CO2 levels measured by the CO2 sensor and accordingly control the system with necessary graphics and software to get actual readings of CO2 levels and control the damper open/close.	No.	1		
	GRAND TOTAL (Rs Rupees				

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Note :	
1	Bank will not pay any labour charges for transportation, Road Permit, installation of Hardware & software, items separately. All such costs, if any, should be considered while quoting their bid.
2	The prices quoted by the bidder shall be exclusives of all applicable taxes i.e. GST (SGST, CGST & IGST). GST will be paid on actual on production of original invoice.
3	Bidder has to show the bifurcation/details of applicable GST (CGST/SGST/IGST) in every invoice.
4	The bidder has to make sure all the arithmetical calculations are accurate. Bank will not be held responsible for any incorrect calculations.
5	Rate filled at any other place in the document shall not be considered.
6	Bidders are requested to refer Scope of Work & Technical specifications of Part1 Technical Bid & Corrigendum if any issued (Tech spec & Price bid) before quoting the Price Bid

Approved Makes of Materials

1. Johnson Controls

2. Siemens

3. Honeywell

4. BuildTrack

5. Schneider Electric

6. Fasilisite

Date:

Signature

Place:

Stamp & Seal