

**PRICE BID FOR THE SITC OF NEW BUILDING MANAGEMENT SYSTEM FOR SBI LHO  
BUILDING, SEC-17, CHANDIGARH**

<b>Sr. No.</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>Qty</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>1</b>	Supply and installation of chiller plant BMS panel, IOT based control with WIFI (Wireless) & all the mounting Accessories Communicates with all the Modules collects the data Transfers the cloud data to Server and Dashboard to by control. All parameters like, chiller on/off command, monitoring the temperature of each chiller, status monitoring (Run & auto / manual) water flow sensor status, monitoring of each chiller power consumption etc.				
1.1	Relay Card - On/Off /chiller Control	Nos	3		
1.2	DI Card - Status Monitoring	Nos	6		
1.3	12 V DC SMPS power supply	Nos	3		
1.4	5VDC SMPS power supply	Nos	6		
1.5	Gateway Controller with WIFI	Nos	3		
<b>2</b>	<b>Supply and installation of Chilled water pumps, On/Off control schedule based, Status monitoring (Run &amp; Auto/Manual) Electrical power consumption</b>				
2.1	Relay Card - On/Off chilled water pump Control	Nos	3		
2.2	DI Card - Status Monitoring	Nos	3		
2.3	12 V DC SMPS power supply	Nos	3		
2.4	5VDC SMPS power supply	Nos	3		
2.5	Gateway Controller <b>with WIFI</b>	Nos	1		
<b>3</b>	<b>Supply and installation of Condenser water pumps, On/Off control schedule based, Status monitoring (Run &amp; Auto/Manual) Electrical power consumption</b>				
3.1	Relay Card - On/Off /AHU Control	Nos	3		
3.2	DI Card - Status Monitoring	Nos	3		

3.3	12 V DC SMPS power supply	Nos	3		
3.4	5VDC SMPS power supply	Nos	3		
3.5	Gateway Controller <b>with WIFI</b>	Nos	1		
4	<b>Supply and installation of Cooling Tower fan (C.T. fan) On/Off control schedule based, Status monitoring (Run &amp; Auto /Manual) Electrical power consumption with water temp in/out</b>				
4.1	Relay Card - On/Off /AHU Control	Nos	4		
4.2	DI Card - Status Monitoring	Nos	4		
4.3	12 V DC SMPS power supply	Nos	4		
4.4	5VDC SMPS power supply	Nos	4		
4.5	Gateway Controller <b>with WIFI</b>	Nos	2		
5	<b>Supply and installation of Motorized chilled water valve, On/Off control based, Status monitoring (open/close &amp; Auto/Manual) water temp in/out</b>				
5.1	Relay Card - On/Off /AHU Control	Nos	2		
5.2	DI Card - Status Monitoring	Nos	2		
5.3	12 V DC SMPS power supply	Nos	2		
5.4	5VDC SMPS power supply	Nos	2		
5.5	Gateway Controller <b>with WIFI</b>	Nos	1		
6	<b>Supply and installation of Motorized condenser water valve, On/Off control based, Status monitoring (open/close &amp; Auto/Manual) water temp in/out</b>				
6.1	Relay Card - On/Off /AHU Control	Nos	2		
6.2	DI Card - Status Monitoring	Nos	2		
6.3	12 V DC SMPS power supply	Nos	2		
6.4	5VDC SMPS power supply	Nos	2		
6.4	Gateway Controller <b>with WIFI</b>	Nos	1		

7	<b>Supply and installation of Controller (Wireless) for AHU with all the mounting accessories included.On/Off control schedule based/Run stutas with area temp.AHU Start / Stop Command.AHU Auto / Manual/Bypass Status Monitoring.Supply Air and Return air Temperature Monitoring.</b>				
7.1	Relay Card - On/Off /AHU Control	Nos	10		
7.2	DI Card - Status Monitoring	Nos	10		
7.3	12 V DC SMPS power supply	Nos	10		
8	Supply and installation of Smart Energy Meter ( <b>Make, NF-29 Trinity</b> ) Electrical power consumption, KVAH,KWH,KVA,KVAR,KW,VOLT, HZ,PF, current time consumption kwh,kvah,pf	Nos	25		
9	<b>Lighting &amp; power with fan, Exhaust Fans fan etc. On/Off control schedule based/Run stutas with area temp,Light and fan Start / Stop Command,Auto / Manual/Bypass Status Monitoring</b>				
9.1	CT Set 2000/5 (Make, AE)	Set	4		
9.2	CT Set 250/5 (Make, AE)	Set	10		
9.3	CT Set 100/5 (Make, AE)	Set	16		
9.4	AHU/IN/OUT Temp Sensor, (RS PRO PT-100)	Nos	40		
9.5	Gangbox (Anchor)	Nos	10		
9.6	Glass Relay - For On/Off-230V AC (salzer)	Nos	100		
9.7	A/M Selector Switch (Salzer)	Nos	25		
9.8	Enclosure Box - For IO Card and Control Cards	Nos	24		
9.9	Chiller, in /out Temperature Sensor (RS PRO PT-100)	Nos	16		
10	Wire 2 core 0.5 sq. mm signal cable flexible (Polycab)	Mtr	1000		
10.1	Wire 4 core 0.5 sq. mm signal cable flexible (Polycab)	Mtr	300		
10.2	Wire 2 core 0.5 sq mm Modbus cable (Polycab)	Mtr	300		
10.3	Wire 1 core 1.5 sq. mm cable flexible-Red (Polycab)	Mtr	100		

10.4	Wire 1 core 1.5 sq. mm cable flexible-Black (Polycab)	Mtr	100		
10.5	Wire 1 core 1.5 sq. mm cable flexible-Yellow (Polycab)	Mtr	100		
10.6	Wire 1 core 1.5 sq. mm cable flexible-Blue (Polycab)	Mtr	100		
10.7	Ethernet Cable/Cat-6, unsheilded (Make : D- link)	Nos	1		
10.8	Digital Timer (GIC)	Nos	20		
10.9	Motorized valve (Honeywell,Belimo)	Nos	6		
<b>(Accessories LOT) Hardware</b>					
11.1	MCB 6A SP, Make- Schneider(L&T)	Nos	11		
11.2	Gland PG-25(L&T)	Nos	250		
11.3	Terminal 2.5sqmm Make: Connectwell Model : CTS2.5UN (Altech, Connectwell)	Nos	150		
11.4	End Plat (Altech, Connectwell)	Nos	50		
11.5	MCB channel	Nos	20		
11.6	Thermowell, 50mm (As per Immersion Probe Size)	Nos	8		
11.7	MS Socket 8mm Vs	Nos	8		
11.8	D-Link DIR-615 Wireless-N300 Router	Nos	4		
11.9	D-link - 5 Port 10/ 100 MBPS Switch	Nos	1		
12	Gurmut	Nos	100		
12.1	Enclosure for FTD L-400XW-300XD-150	Nos	14		
12.2	Installation of all equipments and gadgets complete as required in all aspects.	job	1		
	<b>Total Amount</b>				

Note : GST shall be paid extra as applicable.

Signature of the Contractor with Seal