

List of Make HVAC & BMS

Note: The tenderer must indicate the makes he has used to cost his tender. An alternate make may be indicated as a substitute to be used if the offered make become unavailable. More than (2) two makes are Not to be indicated.

S. No.	Description	Makes
1	High Side Equipment	
1.1	Water Cooled Screw Chilling Units (AHRI/Eurovent)	Carrier/ Khehems/ York/ Trane/Danhumbush
1.1A	Air Cooled Scroll Chilling Units (AHRI/Eurovent)	Carrier/ Khehems/ York/ Trane/ Bluebox
1.2	VRF System	Mitsubishi/ O-General/Carrier
1.2	Pumps Coupled	Grundfos/Xylem/Armstrong/Wilo/Victaulic
1.3	Pumps Monoblock	-----
1.4	Pumps Coupled with VFD	Grundfos/Xylem/Armstrong/Wilo/Victaulic
1.5	VFD with controls	ABB (ACS-580)/Danfoss (FC102)/ Siemens (GP-120)
1.6	Cooling Towers-CTI	Delta/Bell/Paharpur
1.7	Electric hot water generator	Rapid cool/ Hydronic Solution/ KEPL
1.8	Central Plant Optimizer/ AC Plant Manager	Schneider-Eco-struxure, Siemens-Xcelerator, Siemens-Demand Flow, Lyken
	Field Devices / Sensor	Schneider/ Siemens/ Lyken
2	Air Handling Units	
2.1	Air Handling Units	VTS/Flaktwood/Systemair
	(High Static)	

2.2	Air Handling Units (Sectional /Unitary)	VTS/Flaktwood/Systemair
2.3	UVGI	INTELLIGREEN/RUKS. TRIMED/ Ultra Pure
2.4	Fan Coil Units	VTS/ Midea/Trane/Samsung/Kubic
2.5	Air-washer/Dry Scrubber/ Wet Scrubber	VTS/ Crystal/ EdgeTech / Brightflow/ Dustech/Climcon /Fanair/Ensavier
2.6	Dehumidifier	Humidin / BRYAIR
3	Axial Flow Fans	Damair/Dustech /Nicotra / Climcon/ Fanair/Crystal
4	Electrical Equipment	
4.1	Electric Panel Board	Glibal electrical & controls pvt. Ltd/ Adlec / Tricolite
4.2	Electric Motors	ABB/Siemens/Crompton
4.3	Starters/Switchgear	Schneider / Mitsubishi / Eaton
4.4	MCB	Schneider / Mitsubishi / Eaton
4.5	Earthing	Obo bettermen or as per CPWD specs.
4.5	MCCB/ACB	Schneider NSX/NW / Mitsubishi / Eaton
4.6	Push button starter	Siemens/Cutler Hammer/ L&T
4.7	Auxiliary Relays/Contactors	Siemens/Cutler Hammer
4.8	Line Type Fuse	GEC Alsthom/Siemens
4.9	Timer	Siemens/Cutler Hammer/ GEC Alsthom
4.1	Terminal Block	Elmex/ Comex/ HMI
4.11	Voltmeter/Ammeter	Siemens/AE/KAPPA
4.12	Indicating lamps	Siemens/L&T/Cutler Hammer
4.13	Selector Switches	Siemens/L&T/Kaycee/GE
4.14	Change Over Switch	Siemens/L&T/HH Elcon/ Socomech/ HPL

5	Cables	
5.1	Control Cables	Bonton / Apar / Havell's / RR kable
5.2	Power Cables	Bonton / Apar / Havell's / RR kable
6	Ducting & Grilles	
6.1	Factory fabricated duct	GS Spiral/Dustech/ Ductofab/ADS/Truestar
6.2	Pre-insulated Duct	P3/ Asawa/Mecheasy
6.3	Therma diffuser	Acutherm USA/Trocellene
6.4	Fire Dampers motors	Belimo/Siemens/Danfoss
6.5	G.I. Sheet Metal Duct	Jindal Hissar /National/ Tata
6.6	Grilles/Fire Dampers/Diffusers	Truestar/Ruskin-titus/ Airmaster /Crystal /ADS
6.7	G.I. Sheets	Jindal Hissar/ SAIL/ Nippon
6.8	Self adhesive gaskets	“Prima Seal”.
6.9	Stick Pins	Prima Seal
7	Pipes	
7.1	G.I.	Jindal Hissar /Tata/ SAIL
7.2	M.S. upto 150 mm	Jindal Hissar /Tata/ SAIL
7.3	M.S. 200 To 300	Jindal Hissar /Tata/ SAIL
8	Valves	
8.1	Butterfly Valves	Advance /Castle / VTM
8.2	Non Return Valve	Advance/ Castle / VTM
8.3	Balancing Valves	Advance/ Castle / VTM
8.4	Gate/Globe Valves	Caliphi / Castle / VTM
8.5	Ball Valves with Strainers	Caliphi / Utam VTM
9	Accessories	
9.1	Y-strainer	Caliphi / VTM/DS Engg.

9.2	Pressure Gauge	H.Guru/Fiebig/ Caliphi
9.3	Thermometer	Fiebig/ H. Guru
9.4	Flow Switch	Schenider/ Hydronic Solution / Caliphi/ Lyken
9.5	Automatic Air Vent	Rapid Control/ Hydronic Solution / Caliphi
9.6	Pot Strainer	Hydronic Solution / DS Engg
9.7	Suction Guide	Hydronic Solution / Rapid Control/ Caliphi
9.8	Expansion Tank (Closed Type)	Ensavier/Hydronic Solution
10	Air Filters	
10.1	Filters	Airtech/ Purolator/ Mechmark/ AAF
11	Insulation	
11.1	XLPE	Trocellene /Paramount/PPCPL/Supreme
11.2	Expanded Polystyrene	Styrene Packing/Supreme
11.3	Glass Wool	Kimmco /U.P. Twiga
11.4	Polyurethane Foam	Malanpur /Armacell
11.5	Crossed linked Oxilate Acetate Foam	Trocellene /Paramount/PPCPL/Supreme
11.6	Closed Cell Elastomeric Insulation	Armacell/ALP/K-flex/Supreme
11.7	Non woven fibre material	Mikron/ Du pont/K-flex/Supreme
11.8	Premoulded PUF section for pipe & pipe supports	Malanpur/ Lloyd/ K-flex
11.9	Aluminium Tape	Johnson/Birla 3M/Garware
11.10	Fire Rated Adhesive	Paramount/Pidilite/Twiga
11.11	Underdeck insulation (XLPE)	Aerolam/PPCPL/Supreme
12	Controls	

12.1	2/3-Way motorized valve for AHU	Siemens/Caliphi/Danfoss/ Flowcon
12.2	2/3-Way motorized valve for FCU	Caliphi /Danfoss/Flowcon
12.3	Thermostats	Caliphi / Siemens/Honeywell
12.4	PI Balancing cum Control Valves	Danfoss/ Flowcon/ Caliphi
13	Microprocessor based systems	Siemens/Johnson Controls/Honeywell/Schnider
14	Paints	
14.1	Enamel	ICI/ Asian/ Nerolac/ Berger
14.2	Bituminus	Shalimar/ Asian Paint/ Nerolac
14.3	Tarfelt (for underground chilled water pipe insulation)	Shalimar/ Asian Paint/ Nerolac
15	Building Automation System	
15.1	DDC Controllers	Schneider /Caliphi /Siemens/Lyken
15.2	Sensors(Pressure/	Schneider/
	Temperature)	Omicron/Siemens/Lyken
15.3	VAV	Schneider /Caliphi /Siemens/Lyken
15.4	Airflow Switch (Air & water)	Schneider/ Caliphi /Siemens/Lyken
16	Miscellaneous	
16.1	Anchor fastners	Hilti/Rawlplug/Cischem
16.2	Vibration isolator	Resistoflex/Dunlup/ Kanwal
17	On-line non-chemical water treatment system	Scale Guard of Aqua Treat Pvt. /Crystallo of D-Borne Engg./ Spaloid of TBI system
18	Air & Dirt Separator	Hydronic Solution /Caliphi/ Xylem/Spirotech
19	Fire Paint	PPCPL/3M/Hiltey

20	Adhesive	PPCPL/Momansa/Start Engg./Pidilite
21	UV Coating	PPCPL/Momansa/Start Engg.
22	Fire Sealent	PPCPL/3M/Hiltey

BMS

Si.No	Items	Approved Makes
A	Controller/Software	
1	Central Control BMS Server	IBM/HP/DELL
2	Printer	HP/Canon
3	Building management System	Siemens- Desigo/Honeywell-Comfort Point/ Schneider-Struxeware/ Enlite
4	Building Management Web Based Server Software	Siemens- Desigo/Honeywell-Comfort Point/ Schneider-Struxeware/Enlite
5	Programmable & Application Specifier Controller (DDC)	Siemens- Desigo/Honeywell-Comfort Point/ Schneider-Struxeware/Enlite
6	Web Server Engines (Network/Supervisory Controller)	Siemens- Desigo/Honeywell-Comfort Point/ Schneider-Struxeware/Enlite
7	System Intergration Units for 3RD Party software Integration	Siemens- Desigo/Honeywell-Comfort Point/ Schneider-Struxeware/Enlite
8	Enclosure for DDC Controller	Rittal/Adhunik/Schneider
B	Sensor & Field Devices	
1	Immersion type temperature sensors	Omicron/ Schneider/Enlite
2	Ultrasonic Thermal Energy Meter/Flow Meter	Envix/ Kamstrup
3	Outside T+RH Sensor	Omicron/ Schneider/Enlite
4	Differential pressure Switch Air	Omicron/ Schneider/Enlite
5	Differential pressure Switch Water	Omicron/ Schneider/Enlite
6	Water Level Switches	Kele/Veskler/Flipro/ABB

7	Flame Proof Level Switches	Kele/Veskler/Flipro/ABB
8	Current Relay	L&T/ABB/Siemens/Situ
9	Room/Duct Type Temp Sensor	Omicron/ Schneider/Enlite
10	CO2 Sensor	Omicron/ Schneider/Enlite
11	Energy Meter	Schneider/L&T/ABB
12	CO Sensor	Dwyer/Kele/MSR Germany/Greystone/Enlite
13	Pressure Transmitter Water	Omicron/ Schneider/Enlite
14	Differential Pressure Sensor-Air	Omicron/ Schneider/Enlite
C	Wiring & Conduiting	
1	Signal Cable , PVC Insulated , tinned Copper	Fusion Polymer/Polycab/Finolex/Skytone
2	Communication Cable , PVC Insulated , tinned	Fusion Polymer/Polycab/Finolex/Skytone
3	MS Conduit of 20 & 25 mm dia	BEC/AKG
4	Lan Cable & Switches	D-Link/Belden/Delton/Netgare/CISCO

Note : 1. Propriety items only of makes other than specified will be considered strictly on merit and suitability.