

Sr. No.	Description	Preferred Make
A	FIRE ALARM SYSTEM	
1	Fire Alarm Panel	Schrack / Ateis / Kentec
2	Photoelectric Smoke Detectors	Schrack / Ateis / Kentec
3	Heat Detectors	Schrack / Ateis / Kentec
4	Multisensor Detectors	Schrack / Ateis / Kentec
5	Interface Modules : Monitor / Relay / Control / Zone Monitor etc.	Schrack / Ateis / Kentec
6	Sounders / Sounder cum Flashers / Strobes / Annunciation devices	Schrack / Ateis / Kentec
7	Manual Pull Stations	Schrack / Ateis / Kentec
8	Fault Isolator Modules	Schrack / Ateis / Kentec
9	Addressable Power Supplies	Schrack / Ateis / Kentec
B	PUBLIC ADDRESS SYSTEMS	
1	Main PA Console / controller	Ateis / Honeywell / TSG
2	Speakers	Ateis / Honeywell / TSG
3	Call Station	Ateis / Honeywell / TSG
4	Message Manager	Ateis / Honeywell / TSG
5	Volume Control	Ateis / Honeywell / TSG
6	Booster / Audio Amplifier	Ateis / Honeywell / TSG
C	NVR BASED IP CCTV SYSTEM	
1	IP Dome Cameras	Vivitek / Panasonic / Samsung
2	Network Video Recorder	Vivitek / Panasonic / Samsung
3	Professional CCTV Monitors	HP / SAMSUNG / PANASONIC
4	Managed LAN Network Switches	CISCO / HP / Allied Telesis
5	Power Supplies	Transtech / Eqp Listed Power Supply
D	FIRE EXTINGUISHERS	
1	Carbon Di-oxide type Extinguishers	Firefite / Minimax / Kanex
2	ABC type Fire Extinguishers	Firefite / Minimax / Kanex
3	Mechanical Foam type Extinguishers	Firefite / Minimax / Kanex
E	WET SPRINKLER SYSTEM	
1	Sprinklers	Tyco / Viking / UL Listed
2	Pipes	Tata / Jindal / Zenith
3	Butterfly Valves	Audco / Intervolve / Keystone / Newageplus
4	Ball Valves	Audco / Zoloto / Hawa
5	SS Flexible Drops	Gilpro / Reliable / Viking / Monsher
6	Pedal typeFlow Switch	Honeywell / Potter / system sensor
7	Gate Valves	Leader / Zoloto / Newageplus
8	Pressure Guage	H Guru / Omega / Waree / Fiebig
9	Non Return valves	Audco / Zoloto / Leader

Sr. No.	Description	Preferred Make
10	Test Valve Drain kit	Zoloto / Giacomini
11	Air Vent Valve	Giacomini / Zoloto / Tyco
12	Anchor Fastner & Rod (Hi-Tech Support)	Hilti / Chili / Fischer
13	Welding Rod	L&T / Advani / Esab
14	Paints	Asiants / Berger / Shalimar
F	SELF CONTAINED EM ERGENCY EXIT SIGNAGE	
1	Self contained Emergency Exit and Lighting	INNOWARE / TEKNOWARE / SPT / COOPER
G	CABLES AND CONTAINMENT	
1	ISI Marked FRLS 2 core x 1.5 mm ² , Multistrand Copper, FRLS Armoured cable, RED in Colour	KEI / Caliplast / Kenter
2	ISI Marked FRLS 2 core x 1.5 mm ² , Multistrand Copper, FRLS Armoured cable, Black in Colour	KEI / Caliplast / Kenter
3	FRLS 8c x 0.75 mm ² multistranded copper, Shielded, PVC sheathed Armoured Cable	KEI / Caliplast / Kenter
4	FRLS 4c x 0.75 mm ² multistranded copper, PVC sheathed Armoured Cable	KEI / Caliplast / Kenter
5	FRLS Cat-6e ,shielded, PVC sheathed Armoured Cable	KEI / Caliplast / Kenter
6	ISI Marked FRLS 2 core x 1.5 mm ² , Multistrand Copper, Armoured cable	KEI / Caliplast / Kenter
7	Signal cabling : Armoured FRLS Copper Flexible Conductor Shielded (Aluminium Mylar tape with ATC Drain wire of 0.75 Sq. mm),PVC insulated,PVCS heathed Cable as per IS : 694	KEI / Caliplast / Kenter
8	2Cx 1 sq. mm	KEI / Caliplast / Kenter
9	3Cx 1 sq mm	KEI / Caliplast / Kenter
10	4Cx 1 sq mm	KEI / Caliplast / Kenter
11	8Cx 1 sq mm	KEI / Caliplast / Kenter
12	20 mm / 25 mm GI Conduit and Fittings	BEC / Wimco / Universal
13	Perforated GI Cable tray, Medium Duty	Profab / Right Engg / Sunrise / Adarsh
14	GI Trunking	Profab / Right Engg / Sunrise / Adarsh

Make List of Plumbing Items

Sr. No.	DESCRIPTION OF ITEM	MAKE LIST
1	Chlorinated Polyvinyl Chloride (CPVC) SDR-11 ASTM D-2846 with CPVC plain & brass threaded fittings	Astral, Finolex, Prince, Supreme,
2	UPVC SWR pipes	Astral, Finolex, Prince, Supreme,
3	Valves	Finolex, Prince, Supreme, Sant
4	SWR Poly Vinyl Chloride (PVC) class B 6Kg/Cm ² pipes confirming to IS:13592 (2013)	Astral, Finolex, Prince, Supreme,
5	Cleanout Plug with suitable inset keys and opening male threaded joint	Astral, Finolex, Prince, Supreme,
6	Sanitary Fixtures	Jaguar, Hindware, Parryware

APPROVED MAKES FOR AIRCONDITIONING SYSTEM

<u>ITEM</u>	<u>MAKES</u>
Chiller	York / Climaveneta / Daikin / Carrier / Kirloskar
Air Handling Unit	VTS /EDTECH / LUFTEK / makes only
Aircooled Ductable Splits & Aircooled Condensing Units.	VOLTAS, BLUESTAR, CARRIER, LG, HITACHI, TOSHIBA,
Cooling coils	ZECO/ FLAKTWOODS/ SAVIER makes only
AHU fans, In line fans	NICOTRA/ COMFREI/ CHAYSOL/ KRUGGER
Fan coil units	ZECO/ CARRYAIRE/ SAVIER/ ETHOS/ CITIZEN
Motors	SIEMENS, CROMPTON, ABB, KIRLOSKAR
Vibration Isolators	DUNLOP/ POLYBOND
BMS, Controls & Actuators	HONEYWELL/PENN/JOHNSON/ LANDIS STEFA/ BELIMO/ SAUTER
Switchgear	L&T, SIEMENS, EE, TELEMECHANIQUE, HAVELL, MDS
Aluminium Grilles, Diffusers & dampers for same	COSMOS/ DYNACRAFT/ CARRYAIRE/ ALDES ONLY
Fire Dampers	TSC/ MHP/ GEORGE RAO
Duct dampers/ Gravity Louvers/ MS Grilles & Diffusers	MHP/ GEORGE RAO/ COSMOS
Insulation	FIBERGLASS/ UP TWIGA/ KHIMMCO/ BAKELITE HYLAM/ BEARDSSELL/ SUPREME/ ROCKWOOL/NITRILE RUBBER
PVC Pipes	PRINCE, SUPREME
Cables	CCI, GLOSTER, POLYCAB (ISI MARKED)
Pumps	GRUNDFOSS/ ARMSTRONG/ TACO
MS & GI Piping	GST/ ZENITH
Butterfly Valves, Check Valves, Balancing Valves	UNIVAS/ AUDCO/ CRAWLEY & RAY/ ADVANCE
Gate Valve, Globe Valves	LEADER
Fastners	HILTI

IN ADDITION TO THE ABOVE ADDITIONAL MAKES MAY BE ACCEPTED WITH PRIOR APPROVAL IN WRITING FROM THE CONSULTANTS.

ELECTRICAL

	<u>MATERIAL SPECIFICATIONS</u>	
I	SWITCHGEARS(MCCB/MCB/RCCB/ELCB)	: LEGRAND/SCHNIEDER/HAGER.
II	SWITCHES & SOCKETS(UNIVERSAL TYPE)	: LEGRAND/SCHNIEDER/HAGER.
III	LT CONTROL PANELS	: CPRI APPROVED.
IV	LIGHT FIXTURES	: TO BE DECIDED BY CLIENT/ARCHITECT
V	CAPACITORS	: MALDE/SCHNIEDER
VI	CONTACTORS	: SCHNIEDER/L&T/SIEMENS
VII	RELAYS	: SCHNIEDER/L&T/SIEMENS
VIII	WIRES(FRLS) & CABLES(PVC/XLPE)	: FINOLEX/RR CABLE/KEI
IX	CONDUIT PIPES(FRLS PVC)	: PRECISION/DIAMOND/VIP.
X	CONDUIT PIPES(MS)	: VIP/SUPREME.
XI	LAN SOCKETS	: MOLEX/AMP/LEGRAND.
XII	LAN CABLING	: MOLEX/AMP/LEGRAND.
XIII	ATS(AUTO TRANSFER SWITCH WITH OVERLAPPING NEUTRAL)	: ASCO/EQUIVALENT.
XIV	MUSIC WIRING	: AS PER CLIENT APPROVAL.
XV	CABLE TRAYS	: PROFAB/EQUIVALENT.
XVI	RUBBER MATTING	: BHORS/EQUIVALENT.