

LIST OF APPROVED MAKES OF MATERIALS

CIVIL WORKS		
SL.NO	ITEMS	MAKE
1	Cement	As per Kerala Government's GO No. 24/2022 – Fin dated 19.03.2022
2	Steel (TMT)	As per Kerala Government's GO No. 24/2022 – Fin dated 19.03.2022
3	White Cement	Birla Cement, J. K White, Lafarge
4	Structural Steel -MS Tubular and Built-up sections	Tata, SAIL, Jindal Steel and Power Ltd, Vizag, JSW
5	Mechanical Couplers for reinforcement	Sanfield, Halfen, Dextra India, TATA, ANG
6	Welding rod	ESAB, Advani, Best Arc, Solar or equivalent as approved
7	Anti-Termite Pesticides	It should be done by permanent members of IPCA as approved by Engineer-in-Charge.
8	DPC Material	MAPEI, Ferrous crete, Impermo, Duraseal, ACCO Proof, Dr.Fixit, Fosroc, Sika, Pidilite, BASF, MYK, CERACHEM
9	Water proofing compound / Coating /Membrane waterproofing/HDPE	Pidilite, Fosroc, Sika, Kerakoll, Chryso, Tikidan, Mapei, MC- Bauchemie, Technonicol, CICO Technologies Ltd, BASF, DBS, MYK Schomburg, Bostik, STP Limited, MYK arment, CERACHEM
10	Admixture for Concrete	Ultratech, Cico, Sika, BASF, Mapei, Master Builders, Fosroc, Technonicol, Kerakoll, MC -Bauchemie, MYK, Alccofine (Ambuja), STP,Polygon CERACHEM, Sika, MAPEI, Bostik, MYK Schomburg
11	Concrete Curing Compound	Master Builders, Sika, Fosroc, Mapei, Technonicol, Kerakoll,MYK Arment, MC- Bauchemie, Pidilite, CICO Technologies Ltd
12	PVC water stop	Fosroc, Sika, Master Builders, Kantaflex, Technonicol, Kerakoll, Eurobuild, BASF, Jyoti rubber, Maruti rubber

13	Polysulphide Sealant/ PU sealant	Sika, Fosroc, Pidilite, Master Builders, MYK, Ferrous Crete, Technonicol, Kerakoll
14	Expanded polystyrene sheet (EPS) and Extruded Polystyrene Sheet (XPS)	Penguin, Kiwi, E-pack, Supreme, STP
15	Shuttering Ply	Greenply Shuttering Ply, Archid Shuttering Ply, Euro Shuttering Ply or equivalent
16	AAC Block	Renacon-Renaatus, NCL Veka Ltd.,HIL Aerocon ,Ultratech Xtralite, Birla Aerocon
17	Block Jointing Mortar	Renacon-Renaatus, NCL Veka Ltd.,HIL Aerocon ,Ultratech Xtralite, Birla Aerocon , Saint-Gobain Weber, Kerakoll
18	Teak Wood	Best Quality Plantation teak
19	Hard Wood	Best Quality treated jack, Sal Wood, Irul, Anjili, Thambakam, Cheruthekku
20	Vitrified tile	Nitco, Kajaria, Somany,Johnson, Simpolo, Nexion RAK Ceramics India, Asian Granito India Ltd
21	Ceramic Tiles	Nitco, Kajaria, Somany,Johnson, Simpolo, Nexion RAK Ceramics India, Asian Granito India Ltd
22	Cement Concrete floor tiles	NITCO, Eurocon Tiles, Hindustan tile, Excello, Ultra tile, NTC, Dazzle
23	Paver tile	Kajaria Ceramics Ltd, Pavit Ceramics Pvt. Ltd, Planet green, Johnson, Ultra tile
24	Interlock Concrete Paver blocks	NITCO, Hindustan tile, Ultra tile Basant Betons, Conwood, Automatic, Amcon, Sirex, Planet green Outdoor Solutions Pvt Ltd or equivalent as approved.
25	Metallic Hardener	BASF, Fosroc , Sika, Kironite, Eurobuild Construction Chemicals & Coating or equivalent as approved
26	Synthetic enamel Paint	ICI (Akzonobel), Nippon, Asian, Birla, Nerolac
27	Wood Primer	ICI (Akzonobel), Nippon, Asian, Birla, Nerolac
28	Red Oxide Zinc Chromate primer	ICI (Akzonobel), Nippon, Asian, Nerolac
29	Acrylic Emulsion/ Smooth Exterior paint / Premium	ICI Dulux, Birla, Asian, Nerolac, Jotun, Indigo

	Smooth Exterior paint with silicon additives	
30	Oil Bound Distemper	Birla, Asian, Nerolac, ICI Dulux, Jotun, Indigo
31	Wall Putty / Exterior Waterproof Putty	Birla White, NCL Alltek, Berger, ICI, Asian, JK cement ltd.
32	Waterproof Cement paint	Berger, Asian, Nerolac, ICI Dulux, Snowcem
33	Sealers	ICI (Akzonobel), Berger, Asian, Eurobuild. Indigo, Nerolac
34	Melamine Polish	Asian paints, Pidilite, Polycure malaysia, Birla, Jotun, Nerolac
35	PU Polish for woodwork	Asian paints, Pidilite, Polycure malaysia, Birla, Jotun, Nerolac
36	Paint - PU & epoxy paint and primer	Asian paints, Pidilite, Polycure malaysia, Birla, Jotun, Nerolac
37	Cement Primer	Birla, Asian, ICI Dulux, JK Cement ltd, Jotun, Nerolac, Indigo
38	Anti-carbonation paint	Fosroc, Pidilite, Sika, MYK, Master Builders, Birla, AkzoNobel (Dulux), Asian paints
39	Fire Retardant Paint	AkzoNobel, JSW Paints, Jotun, Hilti, Asian paints, STP Ltd.
40	Epoxy Paint	ICI (Akzonobel), Asian Paints, Berger, Jotun, Indigo, Nerolac, Shalimar Tar Products, MAPEI
41	Dry stone cladding system including undercut anchors and clamps	Hilti, Fischer, Blick
42	Epoxy Coating	MYK, BASF, Fosroc, MAPEI, Ferrous crete, Ardex Endura,
43	Silicon Coating	Dow Corning, BASF, GE Silicone, Wacker, Saint-Gobain, Pidilite
44	Flush door shutter	Greenply (Green), Century (PRO), Duroply (TOWER), Merino, Greenpanel, Kit Ply, Jain Wood Industries, Shree Sakthi Modern, Mayur Ply, Archid Ply
45	UPVC Door, Windows & Frames	Fenesta, Encraft, LG, rehau, Aluplast, Koemmerling, Duroplast, Qute, NCL VEKA

46	Aluminum Door/Window Section	Hindalco, Jindal, Padmawati Extrusion Pvt. Ltd., Hydro Extrusions, Omalco Extrusion Pvt. Ltd., Indian Aluminium Ltd., Bhoruka Aluminium Ltd
47	Aluminum System	Define Overseas Pvt. Ltd., Schuco India Pvt. Ltd., Bhoruka Aluminium Ltd., Kawneer India, Hardima sales corporation, Everite Agencies, Jyothi Industries, Sigma corporation
48	EPDM Gaskets	Anand NVH Products (p) Ltd., Roop Polymers Ltd., Bohra rubber Pvt. Ltd., Hanu Industries pvt. Ltd., Ameer Rubber Industries pvt. Ltd., Osaka Rubber Private Limited, AMEE Rubber Industries Pvt. Ltd
49	Aluminium glass partition system	Dormakaba, Lindner, Ozone, Geze, Kubik, Otic, Deko, Red Plus, Axsys Solutions
50	Glass & Mirrors	Saint- Gobain, AIS, Modiguard, Sisecam, Pilkington
51	Door hardware & Fittings	Geze, Dorma, Ozone Overseas Pvt. Ltd., Dorset Kaba Security Systems Pvt. Ltd., ASSA ABLOY India Pvt. Ltd., Hafele, Godrej, Hettich India Pvt. Ltd
52	Glass Doors fittings	Geze, Godrej, Dormakaba, Ozone Overseas Pvt. Ltd, Dorset Kaba Security Systems Pvt. Ltd.
53	Rolling Shutter	Popular, Gandhi Automation Pvt. Ltd, Falcon, Jacob Engineering or equivalent as approved
54	Ball bearings	SKF, FAG, KOYO or equivalent as approved
55	Steel doors /windows	Sakti Hormann, Navair, Tata Pravesh, Indigatech, Ozone Overseas Pvt. Ltd, Godrej Security Solutions, Bhawani
56	Fire Rated Doors	Sakti Hormann, Navair, Tata Pravesh, Indigatech, Ozone Overseas Pvt. Ltd, Godrej Security Solutions, Bhawani
57	Fire rated Glass	Saint-Gobain, SCHOTT, Promat, Pilkington
58	Fire Rated Hardware	Dorma kaba, Geze, Ozone, Beckers, Dorset
59	Modular Toilet Cubicle	Greenlam, Merino, Fundermax
60	Urinal Partition	Greenlam, Merino, Fundermax
61	Stainless Steel	SAIL, JSW, Connect Ltd, Kingston brass, Ark Product pvt Ltd.

62	Galvalume Roofing sheet	Tata Blue Scope, JSW, LLOYD Insulations, Essar, bhushan
63	Laminates	Greenlam, Century, Decolam, Merino, Royale Touche, Archidply, Kitply, Formica, National
64	Marine Plywood	Century, Kitply, Anchor, Green Ply, Apple Ply, Archid ply
65	Pre-Laminated Ply	Greenlam, Merino Industries Ltd, Kitply, Archid ply, Century, Action Tesa, Ecoboard
66	Frosted Film	Birla 3M, Llumar, Garware, Ultra Mark
67	Polycarbonate sheet	MG Polyplast, GE Lexan, Danpal, Alcox, DPI daylighting, Bayer, Palram, Macrolux
68	Sun control film	Garware, 3M or equivalent as approved
69	Adhesive Tape/Double sided tape/ Single sided multipurpose Adhesive	3 M, Scotch Tape, Bow Tape, Norton or equivalent as approved
70	Epoxy chemical for anchoring grout	HILTI India Pvt. Ltd, Fischer, Eurobuild, Pidilite, Rawl plug,
71	Chemical /Mechanical Anchor Fasteners	HILTI, Fischer, MKT (Germany), Black and Decker India Ltd., MAPEI, SS Fasteners Pvt. Ltd, Rawl plug, Bosch, Halfen, Trixell, Wuerth
72	Plasticizers, non-shrink grout	Sika, Cico, Chryso, Fosroc, BASF, Krishna conchem, Fairmate, Eurobuild Construction Chemicals & Coating, MYK Schomburg
73	High tensile Bolts /Screws	Hilti, Fischer, Unbrako, TVS, Eurobuild. Rawl plug or equivalent as approved
74	Aluminium Composite Panels	Alucobond, Eurobond, Aludecor, Reynobond, Alpolic, Alstron
75	Metallic Ceiling	Hunter Douglas India Pvt. Ltd, Armstrong World Industries (India) Pvt. Ltd, Lindner Middle East L.L.C, Chicago Metallic Corporation
76	False Ceiling	Armstrong, Aerolite, Saint- Gobain – Gyproc, USG Boral, Knauf, Danoline, Lloyd
77	Partitions & False Ceiling Members	Armstrong, Aerolite, Saint- Gobain – Gyproc, USG Boral, Knauf, Danoline, Lloyd, Gypframe Steel

78	Floor hardeners	Fosroc, Roff, Fairmate, STP Ltd, Apurva India Ltd, Eurobuild Construction Chemicals & Coating, Pidilite
79	Expansion Anchors	HILTI, Fischer, MKT (Germany) or equivalent as approved
80	Stainless Steel Bolts /washers/Nuts/Screws (SS 316)	HILTI, Fischer, MKT (Germany), S.S. Fasteners Pvt Ltd Rawlplug or equivalent as approved
81	Structural glazing	Saint- Gobain, Asahi, ModiGuard, Glaverbel
82	Fixtures for structural glazing	Dorma, Giesse, Cotswold, Kich, Ozone, Hafele, Sevax or equivalent as approved
83	Repair products	Fosroc, BASF, Sika, Eurobuild, Pidilite, Fischer
84	Fire stop mortar System	Hilti, Fosroc, BASF, Sika, Eurobuild, Pidilite, Fischer, Promat
85	Polypropylene rungs	Arpitha, Surya Engineering, Darshak or equivalent as approved
86	FRP Doors	Duroplast, Meena fiber glass, Cactus, Polyline, Highness, Real
87	Furniture	Godrej, Featherlite, Steelcase, Wipro, Herman miller
88	Glow Studs/Median markers	3M, Avery Dennison, Nikkalite
89	Drainage composite System	Maccaferri, Tensar, Techfab or equivalent as approved
90	Motorized Roller Blind/Roller Blind	Vista, Hunter Douglas, Phifer, Sparsh, Marc, Décor (Deck),
91	Adhesive for ceramic tiles/stone/stone sealers	Pidilite/BASF/Forsoc/ JK Wallcare /Sika/Cera-Chem
92	Adhesive for Wood Work	Fevicol/Vamicol/Dunlop/3M/Sika JIVANJOR, Thermoshield, speedex, araldite
93	Ready mix plaster	Pidilite/FOSROC/Sika/JK Wallcare
94	Ready mix mortar	Pidilite/FOSROC/Sika/ JK Wallcare
95	High Pressure Laminates	Greenlam, Merino/Virgo/Archidply/Fundermax
96	Raised /False Flooring	Unifloor/Unitile/Camflor

97	Expansion joint	Sanfield (India)Ltd/MIGUA/TRISTAR/Hercules/Z-TECH/ Ferrous Crete
98	Auditorium Chairs	Godrej/Indo/Wipro/Bonton/Durian
99	Wooden Laminated Flooring	Euro/Pergo/Green Deco/Krono/armstrong
100	Vacuum Dewatered Flooring	Tremix/Sun Build/Avcon technics
101	Cubicles	Merino/Century/Greenlam/Dorma
102	Crash guard/Corner Guard	Construction specialities/Gradus Inprop India Pvt Ltd/PD Projects/DK Engineering Group
103	RMC/Batch Mix Concrete	The contractor to install his own computerized batching plant of suitable capacity and arrange for Transit Mixers, pumps etc as per approval of Engineer-In-Charge OR The RMC shall be procured from the source as approved by Engineer -In-Charge. RMC producing plants of the main cement producers shall be preferred.
104	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
105	APP Polymeric Polyethylene Felt	BITUMAT/STP/Bengal Bitumen/fibrex
106	Clean room wall panels with/without return air risers, Doors/windows etc	CLESTRA/NICOMAC/HEMAIR/GMP/E-PACK
107	Tensile Fabric	Hyetex 900 GSM, Serge Ferrari, SION
108	Antistatic flooring	Setune esd pvt ltd, Premier polyfilm ltd, Tripolar pvt ltd, Responsive Industries

Plumbing and STP Works		
SL.NO	ITEMS	MAKE
1.	Sanitary Fixtures	Jaquar/Kohler/Cera//Geberit/Queo/Grohe
2.	CP Fittings	Jaquar/ Kohler/ Queo/Geberit/Grohe/Cera
3.	Bathroom accessories: -	Cera / Hindware/Geberit/Queo/Grohe
4.	UPVC / CPVC / PVC/PP	Ajay / Ashirvad /Astral/Supreme / Finolex
5.	Strainer	Ajay / Ashirvad /Astral/Sant/Leader or equivalent
6.	C.I. MANHOLE & GT COVERS & FRAMES	Kk /areco/Hepco/Bic/Silk/Neco/Indiana or equivalent
7.	G.I pipes and fittings	Tata steel Ltd/ Jindal Pipes Ltd or equivalent
8.	Pumps	Lubi/Grundfos/KSB/Armstrong/Xylem/Mather and Platt/Kirloskar/Crompton
9.	Fixtures for especially labled	Cera/Hindware/Johnson/Toto/ Roca
10.	Valves	Intervalve/Zoloto/Audco/Leader/Advance/Crawley/ Normex/ Kartar/ Castle
11.	Pressure Switch	Danfoss/Indfos /Switzer
12.	Pressure Gauge	H Guru / Fiebig or Equivalent
13.	Flow Switch	System Sensor / Sontay Or Approved Equivalent
14.	Wrapping Coating	Pipe Coat / Rust Fire / Approved Equivalent
15.	Water Heater	Morphy Richards/Ao Smith/ V-Guard/Crompton Greaves/Racold
16.	SS Sink	Nirali / Prince / Franke/Diamond or Equivalent
17.	Sensor	Jaquar / Aos System /Hindware / Kohler
18.	SFRC Cover	Basant Beton. /Aeons/Super Precast Infra
19.	CP Grating	Syscraft Global Enterprises (Sge) /Aqua /Viking
20.	Raw Sewage Transfer Pumps	Kirloskar / Crompton/Lubi
21.	Diffuser	Air flex/ BobKay / Tecpro
22.	Air blower	Everest / Kay / TMVT
23.	MBBR	Welcome Enviro / Mm Aqua / Techpro
24.	Permeate Suction Pump	ITT / Kirloskar / GRUNDFOS
25.	Back wash pump	ITT / Kirloskar / GRUNDFOS
26.	Acid dosing	Milton Roy / Xeed / Focus
27.	Sodium hypo chloride dosing	Milton Roy / Xeed / Focus
28.	Sludge recirculation pump	Kirloskar / Crompton / Johnson
29.	UV system	ECES/Sanipure/Cermosis
30.	Filter press	Hydro Press / Cleartek / Isha Engineering
31.	Screw pump	Hydro prokav/Union /Minimax
32.	Filter Feed Pump	Kirloskar / Johnson / Crompton
33.	Electro-Magnetic Flow Meter	Adept / Krone Marshall / Rlt
34.	UF FEED PUMP	KIRLOSKAR / JOHNSON / CROMPTON

FAS & FPS Works		
SL.NO	ITEMS	MAKE
1.	Motor Driven Pump (Electric)	Kirloskar /LUBI/ MATHER & PLATT/ CROMPTON
2.	Motor Control Centre	Any approved CPRI panel board Fabricators
3.	Switch board	Any approved CPRI panel board Fabricators
4.	Safety accessories	Usha/ Safex/Cease Fire/Aag/Peter Autokits/ASES/Padmini/Swastik
5.	MS / GI Pipe	Jindal/Tata/Surya Roshni / Zenithbirla/Sail
6.	Strainers	Emerald/Sant/Leader/Zoloto/Audco/Castle
7.	Hydrant Valve	Minimax/ SAFEX/ Swastik Synergy / Newage/ Shah Bhogilal/Safeguard
8.	Butterfly Valve	Intervalve /Kirloskar/Zoloto /Castle/L&T/Audco/ Advance/ Viking/KSB
9.	Ball Valve	Zoloto/Leader/Castle/L&T/Audco/Advance/Emerald
10.	Non-Return Valve/ Foot Valve/Sluice Valve/ Check valve	Intervalve / Audco / Kirloskar/Zoloto/Leader/Castle/ Honeywell/L&T/Advance
11.	Fire Brigade Inlet	Minimax/ SAFEX/ Swastik Synergy / Newage/ Shah Bhogilal/safeguard
12.	Hose Box	Minimax/ SAFEX/ Swastik Synergy / Newage/ Shah Bhogilal/Safeguard
13.	Fire Hose with coupling	Minimax/ SAFEX/ Swastik Synergy / Newage/ Shah Bhogilal/Safeguard
14.	Air Release Valve	Rapidcool/Anergy/Econosto/Emerald/Zoloto/Advance/Leader/ Sant/DRP
15.	Hose Reel Drum	Minimax/ SAFEX/ Swastik Synergy / Newage/ Shah Bhogilal/Ceasefire/Peter autokits
16.	Branch Pipe	Minimax/ SAFEX/ Swastik Synergy / Newage/ Shah Bhogilal/Ceasefire/Peter autokits
17.	Fire extinguishers	Minimax/ SAFEX/ Swastik Synergy / Newage/ Shah Bhogilal/Ceasefire/Peter autokits
18.	LED/Photoluminescent Exit way Signage's	PROLITE/SAFEWAY/ILLUMAX/MOTIVATE/RAX-TECH
19.	Fire Man's Axe	Minimax/ SAFEX/ Swastik Synergy / Newage/ Shah Bhogilal/ Safeguard

20.	Sprinklers	Monsher/Reliable/Grinnell-Tyco/HD /Newage/Minimax
21.	Pressure Switch	Danfoss/Indfos /SWITZER/Honeywell
22.	Pressure Gauge	H Guru / OASIS/HD/Emerald/Fiebig
23.	Pipe supports	Hi-Tech pipe support system/ HILTI/Gripple /HIRA_Walraven/Mupro/Kron
24.	Electronic Hooter	Siemens/Morley/HOCHIKI/Ravel/Simplex/Notifier/ Honeywell/Edwards/ Morley
25.	Manual Call point	Siemens/Morley/HOCHIKI/Ravel/Simplex/Notifier/ Honeywell/Edwards/ Morley
26.	2x 1.5 sqmm control cable	Finolex/ Polycab/ KEI/Havells/Bonton/Fusion polymer
27.	Wrapping coating	Pipe coat / Rust Fire / Safex/Makphalt
28.	Sounder with relay module	Siemens/Morley/HOCHIKI/Simplex/Notifier/ Honeywell/Edwards/Bosch
29.	Fire Alarm Panel	Siemens/Morley/HOCHIKI/Bosch/Simplex/Notifier / Honeywell/Edwards/ASES
30.	Batteries	AMARON / AMCO / PANASONIC
31.	Response Indicator	Siemens/Morley/HOCHIKI/Ravel/Simplex/Notifier/ Honeywell/Edwards/ Morley
32.	Repeater Panel	Siemens/Morley/HOCHIKI/Ravel/Simplex/Notifier/ Honeywell/Edwards/ Morley
33.	Anchor fastener	HILTI/Fischer/Wuerth/Bosch/Kron
34.	Fire stopper/Fire sealant	HILTI/3M/OBO-Bettermann
35.	Fire Bucket	Safex/Minimax/Ceasefire/Peter autokits/ASES/Safeguard/ Swastik Synergy
36.	Steel flexible extension	Grinnell-tyco/HD/Newage/Viking/Monsher/Sharp
37.	Vibration eliminator mounting pads & Pipe connections	Resistoflex/HIRA-Walraven/Dwren/Kanwal/ Dunlop/Easyflex/Ewren
38.	Weld electrodes	Advani/ESAB/Victor/Ador/Ess Aar

39.	Expansion Rubber Bellows	Resistoflex/Easyflex/Kanwal/Dunlop/Dwren
40.	Clean Agent Fire Extinguisher	Minimax/Ceasefire/Siemens/HD/ASES/Newage/Kanex/Lifeguard
41.	Gas flooding System for Fire Suppression in Data/UPS rooms	Minimax/Newage/Ceasefire/Lifeguard/safefire
42.	Annunciation Panel	Honeywell/Bosch/Siemens/Detnov/Johnson control/Heinrich
43.	Terminal Strips	Dowell's/Elmex/Wago/Phoenix Connectwell

HVAC Works		
SL.NO	ITEMS	MAKE
1.	VRF Units	Daikin / /Mitsubishi/ O General
2.	DX outdoor unit	Daikin /O General/Mitsubishi
3.	AHU Units	Euroclima/VTS/Flaktwood/Stulz
4.	Copper pipes	Total Line/ Mexflow / Mandev/Piyush
5.	Factory Fabricated Duct (Pre- Insulated air Duct-PIR Ducts)	Asawa/Aura/P3/TD/Kingspan/Pal/Zeco/Spiro/Twiga
6.	Grills/Dampers/Louvers/Diff users	Airmaster/Cosmic/System air/Dynacraft/Ruskin Titus
7.	Nitrile Rubber Insulation	Armaflex / K- Flex / Densol /A Flex
8.	PVC Pipe	Supreme / Hycount / Finolex /Astral/Ashirvad
9.	Digital Thermostat	Siemens / Honeywell/Johnson Controls
10.	Electrical Power Cable	Power Flex / PolyCab / Finolex/Gloster/Bonton/KEI
11.	Electrical Components	Schneider / Legrand / ABB
12.	HEPA Filter	Porvair/ Freudenberg/Aerofil/ Promac/ Thermadyne/ Impec /AAF/ Pyramid/ MAF / Camfil / Amensco/ Maftack
13.	Acoustic Insulation	Armaflex / K- Flex / Densol / Sevenstar
14.	Variable Frequency Drive	Danfoss/ABB/Johnson/CG/Yaskawa/L&T
15.	Fresh Air/Exhaust Fans	Systemair/Kruger/Greenheck/Caryaire
16.	Thermostat	Siemens/ Honeywell/ Johnson controls/Schneider
17.	Centrifugal Fans	Nicotra/Kruger/VTS/ebm-papst/Ziehl-Abegg
18.	UV Lamp	Ultrapure/Alfaa/Philips
19.	Cable Trays	OBO Bettermann/Profab/Indiana/Intech

20.	Refnet(Y-Joint) Piping kits	Daikin/Mitsubishi electric/O General (OEM Original only)
21.	Refrigerant Grade Copper Piping	Mandev/Rajco/Mexflow/RR
22.	Vibration isolators/Antivibration pads	Resistoflex/Dynemec/Easyflex
23.	Structural support/MS stands/Hangers	HILTI/Fischer/Gripple/HIRS_Walraven/Mupro/Kron
24.	GI ducting sheet	Jindal/Tata/SAIL
25.	Filters	AAF/VTS/Puromatic/Thermadyne
26.	Plug Fans	Bharat Bijlee/ABB/Siemens/CG
27.	Split AC Units	Toshiba/Daikin/Hitachi/O General/Mitsubishi/LG
28.	Humidifier	KEPL/Rapid cool/Emerald/Enmax
29.	Flexible pipe connection	Resistoflex/Easyflex/Diamond/Dunlop
30.	Electric Motor	ABB/CG/Bharat Bijlee/Siemens/Kirloskar
31.	Aluminum sheet for Duct	Hindalco/Jindal/Balco/Nalco/Sterlite
32.	Dehumidifiers	Bry-Air/Origin/Condair/DRI

Lift Works		
SL.NO	ITEMS	MAKE
1	Lifts	Otis/Schindler/Kone/Johnson/Omega/Fujitec/Mitsubishi/Toshiba
2	Dumb waiter Lifts	Otis/Schindler/Kone/Johnson/Omega/Fujitec/Mitsubishi/ Toshiba

Electrical Works		
SL.NO	ITEMS	MAKE
1.	PVC flexible Copper Wires (FRLS / HFFR)	Havells / Finolex / Polycab / Rr Kabel/Bonton/Gloster/ V-guard
2.	UPS	Numeric / Emerson (Liberty)/ DELTA/ Socomec
3.	Cable gland	Dowells / Comet / OBO Bettermann / Polycab / Cape
4.	Capacitors	Sprague / Schneider / ABB / Siemens/ Shreem/ Epcos
5.	Ceiling Roses/angle Batten	Precision/ Anchor / Legrand / Polycab/ MK
6.	Starters, Timers & Contactors	ABB / Schneider / Legrand / Siemens/ L&T/ C&S
7.	Crimping Sockets	Dowells / Jainson/ Comet
8.	Current transformer	Kapco Elec.Pvt.Ltd / Kappa / Legrand / Resitech / Intrans / Schneider
9.	Horizontal & Vertical Distribution Boards (DBs)	Legrand / Schneider / Hager / GM

10.	HT Cables	HAVELLS / KEI / POLYCAB / RPG/GLOSTER/RR
11.	LT cable	HAVELLS / KEI / POLYCAB / RPG/GLOSTER/RR
12.	HT /LT Cable Termination Kit	RAYCHEM / BIRLA 3M / M-SEAL
13.	Battery & Battery Charger	Quanta / Exide / Amaron / Amara Raja
14.	Indicating Meters	AE / Elmeasure / Schneider / ABB / Siemens / Legrand
15.	Push Buttons	Schneider/ Siemens/ L&T/ BCH/ C&S/ Teknic
16.	Isolator / SFU / COS	L&T/ ABB / Siemens / Legrand / Schneider
17.	External Lightning Protection / Structural earthing	OBO Bettermann / Cape / Axis Electricals
18.	Surge Arrestor	OBO Bettermann / Cape / Legrand/ L&T/ Schneider/ Siemens
19.	MCB, RCBO, RCCB & other modular DB switchgears	Legrand / ABB / Schneider / Siemens/Hager/L&T
20.	ACB	Schneider/ Siemens / Legrand / Mitsubishi Electric/ L&T/ABB
21.	MCCB (Microprocessor based)	Schneider/ L&T/ABB/Siemens/Legrand/ Mitsubishi
22.	MCCB (TM Based)	Schneider/ L&T/ABB/Siemens/Legrand/ Mitsubishi
23.	Metal Clad Sockets / Car charger	HENSEL / CAPE / Legrand / Schneider
24.	Multifunction Meters / DIN Rail meters	Schneider / ABB / Siemens /L&T /Legrand
25.	PVC Conduit	Balco / Finolex / Supreme / Polycab / Toms / Precision
26.	HT BIDIRECTIONAL TOD & Net Meter	KSEB approved make
27.	Relay & Controls	Areva / Siemens / GE / ABB / Schneider/ L&T
28.	Switches / Sockets / Mounting box, cover plate, baseplate / Pop up box etc.	Legrand / GM / Schneider / Wipro
29.	Ceiling Fan / Exhaust Fan	Crompton / Usha / Havells / GM/Almonard
30.	LT Panel	CPRI certified panel manufacturer with components of approved makes.
31.	Lighting controls (All Sensors)	Honeywell / Philips / Wipro/ GM
32.	Light Fixtures	Havells / Philips / Wipro / GM/Osram
33.	SMDB	L&T/ Siemens / Legrand

34.	Transformer	Resitech/ Intrans/KEL/Abb/Schneider/ Megawin
35.	DG Set	MTU, Caterpillar, Greaves, Volvo, Perkins, Kohler, Kirloskar
36.	Cable Tray	Legrand / OBO Bettermann / Indiana / Steelite / Rico Steel's / Profab Engg / Legrand/ Fixotech
37.	Synchronisation relay	DEIF/Mitsubishi Electric LV/Woodward
38.	Rubber Mat	Electromat / Safevolt/ Premiere Poly Film Ltd/Poly electrosafe/Challenger/Safe Hold/Aeroflex
39.	Rising Mains / BBT/ Tap-off / Plug-in Box	Legrand / Schneider/L&T/C&S
40.	RMU/11KV VACUUM CIRCUIT BREAKERS/ HT PANELS	SCHNEIDER / ABB / SIEMENS/INTRANS /MEGAWIN/KEL
41.	PLC / UNCO / Breaker interface	Siemens / L&T / Schneider / Mitsubishi Electric
42.	Quick spot fire protection	Ceasefire / Minimax / Safex
43.	EMS / SCADA system	L&T / Siemens / Schneider/Mitsubishi Electric
44.	Fire resistant mortar, bandage, fibre plate, pipe sleeves, ablation coating etc	OBO Bettermann / Hilti / Fischer/ Fosroc/ Pidilite/ BASF/ Sika/ Eurobuild
45.	ATS (Automatic transfer switch with controller)	L&T/ABB/Siemens/Schneider/Legrand/ASCO/SOC OMEC
46.	External Light	K-lite, Crompton, Philips, Wipro, Keselec, LT, Bajaj
47.	Pole	K-lite, LT, Crompton, Bajaj, Unique Poles, Kesslec, Valmont, utkarsh
48.	Chemical earthing	OBO, Dehn, Furse, Jef Techno, erico/CAPE
49.	Solar Inverter	Delta, SMA, ABB, Refusol, Fronius, Bonfiglioli, APC, KACO or Equivalent with approval from AAI.
50.	Solar panels	EMMVEE, VIKRAM Solar, TATA Power Solar, Yingli, MITSUBISHI Electric, Canadian Solar or Equivalent with approval from AAI

ELV Works except AV system

SL.NO	ITEMS	MAKE
1.	CCTV	Axis/Dahua/ Bosch/Honeywell/Cisco/Pelco/Sony
2.	UTP 4Pair Cat 6 Cable	D-Link/Schneider/Belden/Legrand/Molex/ Polycab/Havells
3.	RJ45 JACK	Belden/Schneider/SYSTIMAX/Molex/CommScope
4.	Face Plate	Schneider/SYSTIMAX/Molex/CommScope/Belden
5.	Wi-Fi Access Point	CISCO/HP/D-Link/Juniper/Ruckus
6.	OFC cable	FINOLEX/SYSTIMAX/LAMBDA/POLYCAB/ HAVELLS/Legrand/Belden/CommScope
7.	Patch Panel (All Passive Components)	D-Link/Schneider/AMP/Cisco/Legrand/ CommScope
8.	Switches, Modules, Transceiver (All Active Components)	D-Link/Juniper/Cisco/Legrand/ Extreme/ HP/ Alcatel/ Fortinet
9.	Rack	Rittal/Netrack/Schneider/D- Link/Legrand/Valrack
10.	Network Video Recorder	/Dahua/ Bosch/Honeywell
11.	Hard Disk	Seagate/WD/Toshiba/Dell/Samsung/LG/SanDisk
12.	Telephone exchange	Alcatel/Siemens /Cisco/Nortel/Panasonic/HP
13.	Paired Telephone Cable	Universal/KEI/Polycab/RR /Finolex
14.	Terminal Block	Krone/Connectwell/Schneider
15.	Speaker-Ceiling Mount & Wall mount	Bosch/Honeywell/Bose/Kramer/Sony/Ateis/Opti mus/Ahuja
16.	Amplifier	Bosch/Honeywell/Bose/Kramer/Sony/Ahuja
17.	Speaker Cable	Polycab/Havells/Finolex/Legrand/Kramer/Belden/ commscope
18.	Display	Samsung/ LG/ Sony/Panasonic
19.	Biometric Readers	HID/ HoneyWell/Bosch/Idemia/Invixium/ Dorma Kaba/Faraday
20.	Access Controllers	HID/Honeywell/Bosch/Heinrich
21.	Access Control software	IDCUBE/HID/Honeywell Bosch
22.	Electromagnetic Lock	BEL/Magnetic/Faraday/Honeywell/Bosch/Dorma Kaba/Trimec/Idemia
23.	Router PA	Bosch/Bose/ATEIS/Optimus/AHUJA
24.	Microphone	Bosch/Bose/ATEIS/Optimus/AHUJA
25.	BATTERIES	AMARON / AMCO / PANASONIC/Exide/Vgaurd
26.	Server PC	Dell/HP/Lenovo
27.	SIGNAL CABLE / COMMUNICATION CABLE / CONTROL CABLE	POLYCAB /KEI / FINOLEX/Belden/Commscope/Delton/Skyton
28.	CABLE TRAY/Raceways	PROFAB/PUSHPACK/ Legrand/OBO/CAPE
29.	Interactive Display	Panasonic/LG/Sony/Polycom
30.	PTZ Camera	Sony/QSC/Newtek/Panasonic/Cisco/Bosch/Lumen s

31.	HDMI-USB Switcher	Kramer/Lightware/Magnum/Inogeni/Milestone/Crestron
32.	Microphone Cable	Belden/Krystal/Kramer/Extron
33.	Telephone Tag Block/Jack Panel	Legrand/Commscope/AMP/Huawei/Belden/Phoenix

Audio & Video System		
SL.NO	ITEMS	MAKE
1.	Laser Video Projector	EPSON/Sony/Panasonic/Christie/Philips
2.	Projector Screen	Milan/Draper/Da-Lite/Grandview/Harkness/Suvira/Stewart/Daktronics
3.	Cable Manager	Kramer/Lightware/Magnum/Inogeni/Milestone/Crestron
4.	HDMI transmitter	Kramer/Lightware/Magnum/Inogeni/Milestone/Crestron
5.	HDMI Extender with USB	Kramer/Lightware/Magnum/Inogeni/Milestone/Crestron
6.	HDMI receiver	Kramer/Lightware/Magnum/Inogeni/Milestone
7.	Cable cubby	Kramer/Lightware/Magnum/Inogeni/Milestone
8.	HDMI to USB converter,4x4 USB Matrix Switcher	Kramer/Lightware/Magnum/Inogeni/Milestone/Crestron
9.	Under Desk Mounting Kit for UCX Series	Lightware/Magnum/Inogeni/Milestone/Crestron
10.	Digital Signal Processor	Bose/Symetrix/Biamp/Extron/Polycom/Crestron
11.	Boundary Microphone, Ceiling Speaker, Asymmetrical Power Sharing amplifier, Symmetrical line Array Speakers	Shure/Bose/Bosch/JBL/Labgruppen/Martin-Audio/L-Acoustics/Harman/Meyer Sound
12.	USB Player	Sony/Philips/Samsung/Bose
13.	Video Conferencing System, secondary Camera	Sony/Polycom/Bosch/Lumens/LG/Cisco/Pelco
14.	Audio Mixer	Allen & Heath/Behringer/RCF
15.	Equipment Rack	Valrack/Netrack/Legrand/Cisco/Rittal/Chief/Middle Atlantic/APW president
16.	Control system, Wireless/Wired touch panel with accessories, Button Control Panel with accessories, Docking Station Sleeve, Room Control with iPad control,	Import- Connect/Kramer/Apple/Extron/Lightware/Crestron

17.	Network Switch	Netgear/HPE/Cisco/juniper/Dell/D-Link
18.	Wi-Fi Access point	Linksys/Netgear/HPE/D-Link/Cisco
19.	HDMI/VGA Cable, Microphone cable, control cable, HDMI/VGA patch cable.	Kramer/Lightware/Belden/Klotz/Extron/Crestron/D-Link
20.	Speaker & Microphone cable.	Klotz/Sommer/Gotham/Kramer/D-Link/Belden
21.	OFC	Belden/Legrand/Havells/CommScope/Extron/Creston/ Kramer.
22.	CAT 6/6A Cable, Patch cords, connectors, Adaptors	Belden/CommScope/Legrand/Molex/SYSTIMAX
23.	LED Display Monitor	LG/Sony/Panasonic/Samsung

IBMS WORKS		
SL.NO	ITEMS	MAKE
1	Copper Cable for Signal & Power	POLYCAB /RR KABLES / FINOLEX/Havells
2	DDC Controllers	Siemens/Johnson Control/Honeywell/L&T/ Ingersoll-Rand
3	Enclosures	Rittal or equivalent
4	Field Devices	Johnson/Honeywell/Alerton/Trend/Siemens/ABB/Greystone/Satchwell/IngersollRand
5	Door Position Sensor	Ademco/Honeywell/Siemens

Note:

1. All materials shall be of the 1st quality and ISI marked.
2. The contractor should specify one of the approved make and the same should be used in the work.
3. Wherever the specific models for finishes / hardware are not mentioned, the Contractor shall produce necessary samples of the products for approval by EMPLOYER. Notwithstanding the final choice, the quoted prices shall remain firm.