

LIST OF APPROVED MAKES

CIVIL MAKE LIST

SR. NO.	ITEM	APPROVED MAKES/BRANDS
1	ORDINARY PORTLAND CEMENT / PORTLAND POZZOLANA CEMENT	AMBUJA CEMENT, ULTRA TECH, ACC, JAYPEE, SANGHI, SIDDHEE, WONDER, J. K CEMENT, LAFARGE, DALAMIA, INFRACEM (NUVOCO)
2	REINFORCEMENT STEEL (TMT FE – FE 500D)	TATA STEEL, SAIL, JINDAL STEEL & POWER LTD, RINL (VIZAG), JSW STEEL LTD, NATIONAL ELECTOTHERM, ASR THERMAX, GALLANT, GERMAN, FRIENDS, GRACE, GOD
3	SAND	AS PER MIX DESIGN FOR CONCRETE WORK OR ZONE-II.
4	READY MIX CONCRETE	LAFARGE, NUVOCO, ULTRATECH, ACC, RMC INDIA, COROMANDAL, RAYMIX
5	WHITE CEMENT	BIRLA, J.K., LA FARGE, ACC, DALMIA MAGIC
6	BRICK MASONRY	HAVING CRUSHING STRENGTH NOT LESS THAN 35 KG/ SQ CM OF LOCALLY AVAILABLE
7	AERATED LIGHT WEIGHT CONCRETE BLOCK MASONRY (AAC BLOCK MASONRY-SAND BASED)	AEROCON, CYPOROX, MAGICRETE, ECOLIGHT, BUILTECH, J K, INSTABLOCK, INFINITY
8	AAC MORTAR / ADHESIVE	FERROUSCRETE, ULTRATECH, JK, ARDEX ENDURA, MYK ARMENT KERAKOLL, GREENBOND, INFINITY, BRONCO
9	STRUCTURAL ROLLED STEEL SECTIONS-BEAMS, CHANNELS, TEE, FLATS, ANGLES, BARS (ROUND, SQUARE, HEXAGONAL)	TATA, SAIL, RINL, JINDAL

10	STRUCTURAL HOLLOW STEEL SECTIONS (SQUARE & RECTANGULAR)	TATA, ASIAN, JINDAL, APPOLO
11	DECKING STEEL SHEET	TATA BLUE SCOPE, LLOYDS, JSW, JINDAL, KINGSPAN, PENNAR, ALPA PEB, SAIL, NEZONE
12	STRUCTURAL TUBULAR SECTIONS	TATA, ASIAN, JINDAL, APPOLO
13	TEAK WOOD	GHANA, BERMA TEAK (INDIAN TEAK) C.P.
14	SAL WOOD	INDIAN OR IMPORTED (FIRST CLASS)
15	FLUSH DOOR (DECORATIVE / NON-DECORATIVE)	INFINITY, GREEN, DURO, CENTURY, SWASTIK, KIT PLY, ANCHOR, UNIPLY, ARCHID PLY, GREENLAM, MERINO, GREEN PLY, GLOBE, BHUTAN BOARD, HINDUSTAN BOARD/EQUIVALENT.
16	PLYWOOD/BLOCK BOARD/ SOFT BOARD	ANCHOR, DURO, MERINO, CENTURY, KITPLY, NIPPONPLY, GREENPLY, DUROPLY
17	WATER PROOF/MARINE GRADE PLYWOOD AS PER – IS – 710 (BWP)	GREEN, ARCHID, KITPLY, ANCHOR, UNIPLY, CENTURY, NIPPONPLY
18	COMMERCIAL PLYWOOD – IS – 303 (BWR)	GREEN, ARCHID, KITPLY, ANCHOR, UNIPLY.CENTURY, NIPPONPLY
19	DECORATIVE PLY (VENEER)	GREEN, DURIAN, CENTURY, ARCHID, DUROPLY
20	NATURAL VENEER	TIMEX, DURIAN, CENTURY PLY, GREEN, DUROPLY
21	MDF	NUWOOD, DURATUFF (EXTERIOR GRADE ONLY)
22	PRELAM PARTICLE BOARD	NOVAPAN, ANCHOR, MERINO, BHUTAN. (EXTERIOR GRADE ONLY)
23	LAMINATE SHEET	FORMICA, GREENLAM, CENTURY, DURIN, ALFA-ICA, DECOLAM, SUNDECK, BLOOM, MERINO, SUNMICA, GREENPLY, DUROPLY
24	LIQUOR /MELAMINE /PU POLISH	MRF, ASIAN, ICI, TARALAC
25	WOODEN ADHESIVES	FEVICOL, BLUE COAT, ARALEDITE, PIDILITE, DUNLOP.
26	ALUMINIUM SECTIONS	JINDAL, INDIAN ALUMINIUM SECTION, HINDALCO (INDAL), INDAL, HINDALCO
27	INTERIOR WORKS	SUPER DURABLE POWDER COATED (AKZONOBEL, JOTUN, FULLER AG)
28	SHUTTERING PLY	ARCHID, CENTURY, MERINO, KITPLY

29	MOISTURE RESISTANCE BOARD	GREENLAM, DURO, MERICO
30	ALUMINIUM WINDOW LOCKS, HANDLE, FRICTION STAYS	ALUALPHA, SECURESTYLE, GIESSEE, ROTO, GEZE, SAVIO, FRIKSTAY
31	OXIDISED ALUMINIUM FITTING	DORMA, EBCO, DOORLINE, CLASSIC
32	ALUMINIUM LOUVERS	TECHNAL, DOMAL, METALIUM
33	ANODISING	BHORUKA ALUM, ALUFIT ALUM, AJIT INDIA, ALUFIN
34	GASKET OF INFILL PANEL FOR ALUMINIUM	AMEE RUBBER, GOLD SEAL, OSAKA RUBBER, MAHARASHTRA POLYMER, MAHARASHTRA TYRE & RUBBER INDUSTRIES.
35	ROUGH GROUND FOR ALUMINIUM WORKS	IS 710 PLY, 6MM TO 8MM THICK OR GHANA TEAK.
36	COMPACT SHEET	ALFIACA, SUNDEK, VIR, BLOOM, FORMICA, MERINO
37	CEMENT BONDED PARTICLE BOARD	SHERA, NCL (BISON BOARD), EVEREST (ETERNITE).
38	CALCIUM SILICATE BOARD / GYPSUM BOARD	SAINT GOBAIN GYPROC, ARMSTRONG, KNAUFF, CREDENCE, DEXUNE, DAIKEN, HILUX, LAFARTZ, AEROLITE.
39	DEAD LOCKS/ MORTISE LOCKS/NARROW STILE DEAD LOCKS/ TUBULAR LOCKS	KICH, DORMA, DORSET, YALE, GODRAJ, ENERITE, SIGMA, OPEL, DOORSET, EUROPA
40	FLOAT GLASS / WIRED GLASS, MIRROR	MODI GUARD, SAINT GOBAIN, FLOAT GLASS INDIA LTD.HNG.
41	REFLECTIVE GLASS	SAINT GOBAIN, PPG, ASAHI, EMIRATES, PILKINGTON.
42	GLASS PROCESSOR	IMPACT SAFETY, GLASSTECH, GSC, ASAHI, FG
43	FOR HS/HT, BULLETPROOF, DGU, TOUGHNESS, LAMINATION ETC.	GLASS, GOLDPLUS, EMIRATES
44	PRECAST TERRAZO TILES (MOAIC)	ROYAL, ALCOCK, VYARA, NITCO
45	CERAMIC TILES	ASIAN, EURO, BELL CERAMIC, JOHNSON, SOMANY, NITCO, KAJARIA, VARMORA. SIMPOLO,NITCO

46	GLAZED TILES	ASIAN, EURO, BELL CERAMIC, JOHNSON, SOMANY, NITCO, KAJARIA, VARMORA. SIMPOLO, NITCO
47	VITRIFIED TILES	ASIAN, EURO, BELL CERAMIC, JOHNSON, SOMANY, NITCO, KAJARIA, VARMORA. SIMPOLO, NITCO
48	GLASS MOSAIC	BISAZZA, PALLADIO, ITALIA, DALAL TILES INDUSTRIES, UNISTONE, UNITILE, NITCO
49	PAVER BLOCK & KERB STONE	NITCO, UNITILE, ULTRA, DALAL TILES INDUSTRIES, VYARA, SUPER CEMENT, PAVCON OR EQUIVALENT MAKE
50	GRASS PAVER BLOCK	AMDAVAD ENVIRO, PAVCON
51	NON-METALLIC FLOOR HARDENER	IRONITE, FOSROC, STP, CICO, SIKA
52	CEMENT CONCRETE TILES DESIGNER TILES	ULTRA, EUROCON, NITCO, MODERN TILES GROUP OF INDUSTRIES
53	PAINT, PRIMER, PUTTY	ASIAN, BERGER, ICI, BIRLA (PUTTY), JK (PUTTY) NEROLAC, WONDER
54	SYNTHETIC ENAMEL PAINTS	BERGER, ASAIN, NEROLAC, DUCO
55	SWELLABLE BAR	PIDILITE, FOSROC, CHRYSO, SOPREMA, HAYAKAWA, MYK SCHOMBURG, SIKA
56	PARALLEL THREADED COUPLERS (COMPLIANT TO IS: 16172:2014)	DEXTRA, HALFEN MOMENT, G-TECH, ASCON, HERRISAN
57	EXPANSION JOINTS	MIGUA, 3R JOINTS & SEALS, PD PROJECTS, ASP, SANFIELD INDIA, HERCULES, TRISTAR, VEXCOLT, DEVIN, Z-TECH
58	OVERDECK INSULATION	PIDILITE, FOSROC, BASF, SIKA
59	EPOXY FLOORING	BASF, FOSROC, FOSROC, DR.CIPY
60	EPOXY PAINT	KANSAI NEROLAC, ASIAN AKZONOBEL (DULUX), FOSROC, ICI
61	VITRIFIED/ CERAMIC TACTILE TILES	H&R JOHNSON, PAVIT, SOMAY, EQUIVALENT
62	PU TACTILE STRIPS & STUDS	SIGNXPRESS INDIA, DELCO, PRO SAFE LIVING, EQUIVALENT
63	LINOLEUM FLOORING & ANGLE FIT RUBBER (OR EDGE GUARD)	GERFLOR, TARKETT, MONDO, JONSONITE
64	SPORTS DIVIDER CURTAIN	GARED USA, SHELDE, FREEWILL
65	ACRYLIC DISTEMPER	ASIAN, BERGER, NEROLAC, ICI

66	CEMENT PAINT	SNOWCEM PLUS, BERGER, NEROLAC
67	PLASTIC EMULSION PAINT	ASIAN, NEROLAC, BERGER/ASIAN, ICI
68	LOW VOC PAINT/ EMULSION PAINT	ASIAN, NEROLAC, BERGER, ICI
69	TEXTURE EXTERNAL PLASTER	SPECTRUM, CORAL, TERRE PALETTE, EARTHEN TEXTURES, TRAVERTINO TEXTURE
70	METAL CLADDING/ ALUMINIUM FLAT SHEEL CLADDING	JINDAL, HINDALCO, ALU-BOND
71	EXPANDED MESH CLADDING WITH PVDF COATING	ARHAMM ENGG, PRIYA MESH, ASIAN STRECK
73	CONSTRUCTION CHEMICALS (PLASTICISERS, BONDING AGENTS, SBR LATEX, MICRO CONCRETE)	BASF, FOSROC, SIKA INDIA PVT. LTD., CICO TECH LTD., MC BAUCHEMIE, SUNANDA CHEMICALS, PIDILITE
74	CHEMICAL WATER PROOFING & INTEGRAL WATER PROOFING COMPOUND	CHEMICAL WATER PROOFING & INTEGRAL WATER PROOFING COMPOUND
75	CRYSTALLINE WATER PROOFING	PENETRON, KRYTON, FOSROC, PIDILITE, KERAKOLL, BERGER / ASIAN SMART CARE, BASF, ARMENT
76	SILICON SEALANT/ SILICON PAINT	WACKER, DOWCORNING, GE, SOUDAL, BOSTIK, CHRYSO
77	POLYSULPHIDE SEALANT	PIDILITE, CHAWKSEY, HENKEL
78	P.U SEALANT	SIKA (EXTERIOR GRADE - UV RESISTANT) / LATICRETE
79	PVC WATER STOP	ARTI CABLES BARODA, FIXOPAN, MARUTI
80	DOOR WINDOW HARDWARE	KICH, DORMA, EPPW, PALLADIUM, MAGNUM
81	FLOOR SPRING	DORMA, MAB, HAFLE, DOORSET, EVERITE, OMEGA, HARDWYN
82	HYDRAULIC DOOR CLOSER	DORMA, YALE, HAFLE, HARDWYN, TRIUM, EVERITE, HYPER
83	PRE-COATED STEEL ROOFING/ WALLING SHEETS 550 MPA	TATA BLUESCOPE, INTERARCH, NIPPON DENDRO (POLY STEEL) SHREE PRECOATED (META COLOR)
84	POLYPROPYLENE FIBERS	NINA CONCRETE, RELIANCE
85	FIRE RATED DOOR	NAVAIR, SHAKTIMAT, AGEW, RADIANT, ENVIROTECH, SWASTIK, ACODOR

86	ANCHOR FASTENERS	AXEL, HILTI, FISCHER, KUNDAN, MUNGO, CORROSHIELD, BUILDEX, BOSCH
87	SPANDREL INSULATION	GLASS WOOL
88	WOOL FELT/WEATHER STRIP	ANAND, REDDIPLEX LTD.
89	STAINLESS STEEL RAILING/ FITTINGS ETC IN SS 304	D LINE, DORMA, JINDAL, OZONE, GEZE
90	RUST REMOVER/CONVERTER	FEOVERT (KRISHNA CONCHEM), ROFF RUST CLEAR (PIDILITE INDUSTRIES)
91	NON-SHRINK GENERAL PURPOSE GROUT	FOSROC, BASF
92	ANCHORING CHEMICAL FOR REBAR DOWELL BAR	HILTI, FISCHER, AXEL
93	SS CLAMPS FOR CLADDING	HILTI, AXEL
94	MS ROLLING SHUTTER	SONA, SAGAR, SURYODAY, GANDHI, STNDARD, SWASTIK, SHUDHWAR, SHAKTI HORMANN, AVIAN
95	WPC DOOR SHUTTER, WPC DOOR FRAME	ALSTONE, ECOSTE, ARCHIDPLY, EVERWOOD
96	WALL PADDING	SCHELDE, GARED, FREEWILL
99	FURNITURE	GODREJ, FEATHERLIGHT, WIPRO, ASTER, MERRYFAIR
100	TOILET CUBICLE	MERINO, GREENLAM STURDO CLASSIQUE GRANDEUR, SOLACE (SS SERIES) BY SPCMS, T LINE, DORMA, TRESPA
101	MAPLE WOODEN FLOORING	CONNOR, JUNCKER, AND ACTION APPROVED BY BWF, ITTF, FIBA, FIVB, IAAF, ITF AS PER CONCERN GAME.
102	INTERLOCKING RUBBER TILES	FREEWILL, FAIRMONT, SOFLEX
103	TAEKWONDO MAT, JUDO MAT	AGGLOREX. PROGAME, BUDOLAND, DAEDO
104	ALUMINIUM SKIRTING	FREEWILL, SUMMIT, WILLSON, JOHNSONITE
105	RUBBER SKIRTING	FREEWILL, SUMMIT, WILLSON, JOHNSONITE
106	SYNTHETIC ROLLABLE COURT SURFACE	YONEX, GERFLOR MONDO, TARKETT

107	ACOUSTIC FALSE CEILING	ARMSTRONG-OPTRA, OFF, SOUND EASY, QUIETUDE,
108	FIRE RETARDANT DOORS	NAVAIR, OZONE, QUIETUDE
109	UPVC DOOR, WINDOW, VENTILATION SYSTEM	NCL VEKA PVT. LTD, FENESTA BUILDING SYSTEMS, PROFINE INDIA WINDOW TECHNOLOGY PVT. LTD.,, ENCRAFT INDIA PVT. LTD.,PWDS EXTRUSIONS PVT. LTD., WEATHERSEAL (BY ASIAN PAINTS), ALUPLAST INDIA PVT. LTD., DUROPLAST
110	ROCKWOOL INDIA, ROXUL ROCKWOOL, OWEN CORNING, TWIGA	ROCKWOOL INDIA, ROXUL ROCKWOOL, OWEN CORNING, TWIGA
111	BADMINTON EQUIPMENT	SCHELDE SPORTS, SENOH, GARED
112	VOLLEYBALL EQUIPMENT	SCHELDE SPORTS, SENOH, GARED
113	TABLE TENNIS EQUIPMENT	JOOLA, STAG, DHS STIGA
114	HYDRAULIC BASKETBALL EQUIPMENT	FREEWILL, SCHELDE SPORTS, SENOH, GARED
115	SPECTATOR SEATING AREA-SEAT	DAPLAST. FREEWILL, HOSHO, SOGEMAP
116	ALUMINUM STANDING ROOFING SYSTEM	KALZIP, KINGSPAN, ALUFORM EQUIVALENT
117	SWIMMING POOL DECK TILE ANTI SLIP TILE	SERA POOLS, FLOOR GRESS, AGROB BUCHTAL
118	ADJUSTABLE LOUVERS	DOMAL/ REYNERS/ TECHNAL/ SHRISAIALUMINIUM
119	GLAZING FAÇADE SYSTEM	
119.1	ANODIZED ALUMINUM HARDWARE (HEAVY DUTY)	EVERITE, SAPA BUILDING SYSTEMS, EUROPEAN FAÇADE PRODUCT, RAYNERS, HARDIMA, ALUALPHA, LGF SYSMAC, HINDALCO
119.2	ALUMINUM STRUCTURAL MEMBERS – WINDOWS, DOORS, GLAZING AND PARTITIONS	SCHUCO, SAPA BUILDING SYSTEMS, SAPA BUILDING SYSTEMS, RAYNERS, INDALCO, JINDAL, HINDALCO, NALCO, HALCO

119.3	GLAZING STRUCTURAL / SUSPENDED / SKYLIGHT	SAINT GOBAIN, PIKINGTON, GLAVERBAL
119.4	CLEAR / FLOAT / FROSTED GLASS	SAINT GOBAIN, AIS, PILKINGTON, MODIGUARD, ATUL, GOLDEN FISH
119.5	GLASS / SS SPIDER FITTINGS	DORMA, HAFAL, OZONE, LISUS, SADEV
119.6	HERMITICALLY SEALED PERFORMANCE GLASS TOUGHENED GLASS	SAINT GOBAIN, GUARDIAN GLASS, PILKINGTON, MODIGUARD
119.7	FIRE RATED VISION PANELS	PILKINGTON, SCHOTT, FERILITE, SAINT GOBAIN, GLAVERBEL,
119.8	BACKER ROD	SUPEREM, SILICA, EPE, SOFTEX
120	GRID FOR PVC FALSE CEILING	SAINT GOBIN, ARMSTRONG, USG
121	PVC BOARD	SELTERS, RAJSHREE, ARMSTRONG
122	ANTI-BACTERIAL PAINT	SIKKA / LIQUID PLASTIC/SSK/VISSMANN /ARTILIN / BASF / HUNTSMAN
123	METAL FALSE CEILING	ARMSTRONG ORCAL, SAINT GOBAIN, GYPROC, HUNTER DOUGLUS
124	LOCKS	GODREJ, DORSET, YALE, EPPW, DORMA, KITCH, ENERITE, SIGMA, OPEL, DOORSET, EUROPA
125	ADHESIVES & SEALANT	BAL, MYK LATICRETE, BASF, FOSROC, PIDILITE, DOWSIL, ACEBOND, PYROPLEX, BRONCO
126	ALUMINUM EXPANDED MESH/ARCHITECTURAL ALUMINUM MESHES	ARHAMM ENG. / PRIYA MESH / ASIAN STRECK
127	PT VENDOR	VSL / DYWIDAG/ FREYSSINET
128	HTS WIRE	TATA/USHA MARTIN/JSW/DP WIRES
129	115MM OVER DECK INSULATION OVER TERRACE WATER PROOFING	MFV, POROSILE, VERMIPLAST

130	PU- LIQUID APPLIED POLYURETHANE MEMBRANE TERRACE WATERPROOFING SYSTEM	SUNANDA/ FOSROC/ BASF/ PIDILITE
131	ANTI CARBONATION PAINT	SIKA, FOSROC, FLEXCRETE
132	KITCHEN EQUIPMENT	RECON INDUSTRIAL, DELIGHT ENGINEERING, SUREOLOGICS KITCHEN SOLUTION, SAI SHAKTI ENGINEERING
133	SWIMMING POOL SYSTEM & FILTRATION SYSTEM	MYRTHA, FLUIDRA
134	BAFFLE CEILING	HUNTER DOUGLUS, ARMSTRONG, DURLUM
135	ACOUSTIC WALL PANELS	ANUTONE, HERADESIGN, DAIKEN, TASCO, AEROCEIL, GREENLAM, KNAUF, ARMSTRONG, HERADESIGN
136	CELLULOSE BASED ACOUSTIC PLASTER/ACOUSTIC SPRAY TREATMENT	ENVIRO ACOUSTICS OVT LTD, ASONA
	HARDWARE	
137	NUTS / BOLTS / SCREWS	GKW, ATUL, HILTI, NETTLE FOLD, PATTI, GRIPPLE, RAW PLUG
138	DOOR/WINDOW FITTINGS INCL. DOOR CLOSER / FLOOR SPRINGS	HAFELE, GEZE, DORMA, HETTICH, EVERITE, GODREJ, IPSA
139	DIE CAST PATCH FITTINGS	GEZE, DORMA, ASSA ABLOY, HETTICH, OZONE
140	FIRE RATED DOORS	ICLEAN, SHAKTI HORMANN, PROMAT, NAVAIR, SUKRI, KINDEL, GMP, SIGNUM, GALAXY, RADIANT FIRE DOORS
141	UPVC DOORS & WINDOWS	FENESTA, GLANZ, LINGEL ATUL, MODIGUARD, SAINT GOBAIN, ECO, NEELKAMAL, OKOTECH, SALAMANDER, RAJSHRI
142	ACOUSTIC DOORS / SHUTTERS	STAIRWAY STUDIO, SIGNATURE INTERIORS, ENVIROTECH
143	REVOLVING DOORS	DORMA, BOONEDAM, KABA

144	FAÇADE SYSTEM	SCHUCO, SAPA BUILDNG SYSTEMS, EUROPEAN FAÇADE, REYNUS
145	SS MORTISE LOCK WITH ONE DEAD BOLT AND PAIR OF SS HANDLES STEEL GRADE SS 304 / SS MORTISE LATCH & LOCK WITH SIX LEVERS PAIR OF SS HANDLES STEEL GRADE SS304 / SS TOWER BOLT	DORMA, GEZE, HAFELE, ASSA ABLOY, HETTICH, GODREJ, DORSET, IPSA
146	SS BUTT HINGES WITH BALL BEARING GRADE SS 304	DORMA, HAFELE, GEZE, HETTICH, IPSA
147	PULL HANDLE BACK-TO-BACK OF LENGTH 150MM OF STEEL GRADE SS 304 / PULL HANDLE, SINGLE SIDE OF LENGTH 150MM OF STEEL GRADE SS 304	DORMA, HAFELE, GEZE, HETTICH, IPSA
148	LEVER HANDLE IN SS 304FINISH	DORMA, HAFELE, HETTICH, GEZE, INGERSOLL RAND
149	PROPRIETARY SLIDING/ FOLDING DOORS	DORMA, HAFELE , HETTICH, GEZE, IPSA
150	PATCH FITTINGS	DORMA, HAFELE , HETTICH, GEZE, IPSA
151	SLIDING CHANNELS	DORMA, HAFELE , BLUM, HETTICH, GEZE, IPSA
152	ETCHING, FROSTING FILM/ VINYL SHEETS	3M OR EQUIVALENT
153	STAINLESS STEEL SLIDING DOOR BOLTS	INGERSOLL RAND, GODREJ, HAFELE
154	FAÇADE- ALUMINIUM FLASHING SHEET WITH PERFORATION	KALZIP, KINGSPAN, EQUIVALENT
155	CONVENTIONAL CURTAIN WALL SYSTEM	BANCO / JINDAL / GUJARAT ALUM./ BHARUKA / RATNASHRI
156	Coating for Aluminium profile with shade and micron thickness	Powder from Akzonobel/Jotun (10 Years Warrant)
157	Vision Glass	Saint Gobain & Processor- Indain Picture ; Jajoo ; FG Criative : Swastic(10 Years Warrant Processing)

158	Anchors	Wruth / HILTI / Kilmas
159	Structural Silicon & Weather Silicon	GE /DC
160	Friction Hinge	Nafmo / CotsWold /GU
161	Handle for Top Hung	Giesse / CotsWold /GU
162	Smoke Seal Insulation	Side-Rise / Hilti
163	Spandrel Insulation	Side-Rise / Rockwool
164	ACP (ALUMINIUM COMPOSITE PANEL)	Aludecor/Alstrong / Eurobond / Viva
165	Patch Fittings Door fixtures	Dormakaba / Ozone
166	Auto. Sliding Door fixtures	Dormakaba / Ozone / Portalp
167	CorTen Steel Cladding	Nova steel crp / Amar Steel / BHBT Steel
168	Red brick cladding	Bhakti Bricks Industries Pvt. Ltd, JAY JALARAM Brick, Fabulous stone, Vintage bricks, The brick store

LIST OF APPROVED MAKES FOR PHE SYSTEM		
Sr.No.	Item Description	Make
1	All Sanitary fittings	Toto / Cera / Sloan / Jaquar / Euronics / Geberit / Astral / Hindware/Kohler As per Interior selection
2	All Bath & CP fittings	Toto / Cera / Sloan / Jaquar / Euronics / Geberit / Astral / Hindware/Kohler As per Interior selection
3	EWC Flushing Cistern	Viega / Geberit / Kohler / Sloan
4	Urinal Flush Valve	Viega / Euronics / Geberit / Jaquar / Sloan
5	Flusho-Meter (Urinal / EWC)	Kohler / Sloan / Jaquar
6	UPVC Pipe, Ball Vales & fittings (SCH 40 & SCH 80)	Supreme / Astral / Ashirvad / Prince
7	Hot Water supply pipe CPVC (SDR 13.5 / SDR 11)	Supreme / Astral / Ashirvad / Prince
8	UPVC SWR Pipe	Supreme / Astral / Ashirvad / Huliot / Wavin
9	UPVC Foamcore Pipe /DWC pipe /HDPE pipe	Supreme / Astral / Ashirvad / Huliot / Wavin
10	Silent Pipes UPVC / PP	Supreme / Astral / Ashirvad / Huliot / Wavin
11	Ball valves - Brass / Gun metal	Sant / Sloan / Honeywell / Varie
12	Non return valve, Pressure reduce valve, Y-Strainer, Air Release Valve, Sluice valves, Butterfly valves, Check valves	Sant / Sloan / Honeywell / Varie
13	Hydropneumatic system and pumps	Grundfos / Xylem / Lubi / Wilo
14	Electrical Flow meter / Water meter	Honeywell / Sant / Varie or equivalent
15	Liquid static pressure switch,Pressure gauges	Greystone / Tensorflow / Danfoss / H-gure or equivalent
16	Shaft & Pipe Clamps	Chilly / Shaivi / Mupro / Hilti or equivalent
17	Cockroach Trap / Trap guard	Chilly / Proset / TECE or equivalent

18	R.C.C. Manhole cover & frame	Strong Drain / Thermodrain / HP / NECO/ RIF/ SKF/ CRESENT FOUNDARY
19	FRP Grating /Manhole cover & frame	Strong drain / Thermodrain / HP
20	Drain Channel	Astral / Huraton / Aco
21	Insulation material for hot water pipes	Superloan / Accoflex / Tharmaflex
22	R O Plant	Ion-Exchange / Tharmax / Aquaguard
23	Heatpump	A.O. smith / Mitsubishi / Flow Dynemic
24	Water Cooler	Voltas / Blue Star / Usha
25	RCC Hume Pipes	Indian Hume Pipe / Alcock / Jain spun pipe / Pragati / Daya spun pipe/ Patel hume pipe
26	Float valve	L & T / VBA / RB / Watertech / Prayag /Sant
27	Fire Sealants	Hilti / 3M or Equivalent
28	Solenoid valve	L & T / VBA / RB / Watertech / Prayag /Sant
29	STP vendor	Flow Dynemic /Subham / Aquatic / Equivalent
30	Rain Water Harvesting system	Flow Dynemic /Subham / Aquatic / Equivalent
31	SS Pipe	Viaga / Eurotubi Europa / Geberit
32	PPRC pipe	KPT / Huliott / Prince / Kantham

<u>LIST OF APPROVED MAKES FOR ELECTRICAL SYSTEM</u>		
SR.NO.	ITEM DESCRIPTION	MAKE LIST
1	H.T. VCB PANEL	L&T / SIEMENS / ABB / SCHNEIDER ELECTRIC / CG POWER /C&S HT PANEL SHALL BE OEM OR OEM APPROVED CHANNEL PARTNER.
2	PROTECTION RELAY FOR H.T PANEL	ABB / L&T / SIEMENS / SCHNEIDER / CSPC / ALSTOM/C&S
3	H.T. XLPE CABLE	FINOLEX / RR KABLE / AVOCAB / HAVELLS/ POLYCAB / KEI
4	H.T. JOINT (HEAT SHRINKABLE)	RAYCHEM / 3M
5	OIL TYPE TRANSFORMER	VOLTAMP / UNIMAG/ TRANSFORMER & RECTIFIER / ABB / CG POWER/ KIRLOSKAR
6	MEDIUM VOLTAGE CABLE / CONTROL / FLEXIBLE CABLE / WIRES FOR INTERNAL WIRING / FIRE RATED CABLES	FINOLEX / RR KABLE / AVOCAB / HAVELLS/ POLYCAB / KEI
7	DG SET	STERLING & WILSON / SUDHIR / CUMMINS / PERKINS /KIRLOSKER /SUPER NOVA /GREAVES /POWER
8	ALTERNATOR	AS PER THE DG SET SUPPLIER.
9	DG SET AMF PANEL	AS PER THE DG SET SUPPLIER. (SWITCHGEAR AS PER MAKE LIST.)
10	SYNCHRONIZATION RELAY	WOODWARD / STUKE / DEIF/ SIEMENS
11	SANDWICH BUSDUCT	LEGRAND / SCHNEIDER / L & T / C & S / ENTRACO BKS
12	LT PANELS & APFCR PANEL AS PER IEC 61439 (TTTA) PANELS	LEGRAND / SCHNEIDER / L&T / SEIMENS & EQUIVALENT R&B APPROVED MAKE WHO CAN PROVIDE - OEM CERTIFIED IEC- 61439 WILL BE CONSIDERED.
13	LT PANELS AS PER CPRI	FABRICATED PANELS WITH STANDARD APPROVED SWITCH GEARS & ACCESSORIES CPRI / ERDA APPROVED PANEL SUPPLIERS, 65 KA SHORT CIRCUIT WITHSTAND

		STRENGTH. OEM APPROVED CHANNEL PARTNER.
14	CAPACITOR	SCHNEIDER / DATAR / EPCOS / L & T / SIEMENS / ABB / LEGRAND
15	DISTRIBUTION BOARDS & SWITCH GEARS	LEGRAND / SCHNEIDER / SIEMENS / HONEYWELL / L&T / C&S / HAVELLS
16	LT ACB	LEGRAND / SCHNEIDER / L&T / SEIMENS
17	LT MCCB WITH EARTH FAULT	LEGRAND / SCHNEIDER / L&T / SEIMENS
18	LT MCB, ELCB, ISOLATOR	LEGRAND / SCHNEIDER / SIEMENS / HONEYWELL / L&T
19	LT CONTACTORS	LEGRAND / SCHNEIDER / L&T / SEIMENS
20	CURRENT TRANSFORMER & POTENTIAL TRANSFORMER	AE / ASHMOR / G & M / L&T
21	METERS (DIGITAL)	CONZERVE / SCHNEIDER / SECURE / L & T / LEGRAND/ABB
22	LOAD MANAGER/MFM	CONZERVE / SCHNEIDER / SECURE / L & T / LEGRAND /ABB
23	PROTECTION RELAYS- EARTH FAULT	SIEMENS / L & T / SCHNEIDER / ALSTOM / CSPC
24	INDICATING LAMP	SIEMENS / SCHNEIDER ELECTRIC / L & T/ TEKNIC / ABB
25	ELECTRIC TIMER	SIEMENS / L&T / LEGRAND / CONSERVE / RUSHABH ENTERPRISE
26	ROTARY SWITCH	LEGRAND / SCHNEIDER / SIEMENS / HONEYWELL / L&T
27	PUSH BUTTON AND PUSH BUTTON SET	SIEMENS / SCHNEIDER ELECTRIC / L & T/ TEKNIC
28	ANNUNCIATOR	PROTON / EAPL / TEKNIKA
29	LUGS / BIMETALLIC LUGS	DOWELL'S / HMI / COMET/ HEX
30	CABLE GLAND	JAINSON / COMET / POLYCAB/ HEX /3M
31	CONNECTORS (COLOURS AS PER PHASE & NEUTRAL)	SALZER / ELEMEX / L&T
32	ATS	ASCO / SOCOMEC / L&T
33	CABLE TRAY (ALL TYPE)	LEGRAND / PROFAB / DUDHAT / INDIANA / KEW / PRECISION / SUMIP / ASC

34	SPD	NISHARP - CAPE / OBO / LEGRAND/ SCHNEIDER
35	DWC PIPE	REX / NOBLE /ASTRAL
36	L.T. CABLE JOINTING KIT	RAYCHEM / 3-M
37	PVC CONDUITS AND ACCESSORIES	PRECISION / NIHIR / POLYCAB / ASTRAL / BBC / AKG
38	CASING CAPING	PRECISION / NIHIR / POLYCAB / ASTRAL / BBC / AKG
39	FLOOR TRUNKING & FLOOR JUNCTION BOX	HONEYWELL / LEGRAND / SCHNEIDER/ C&S / PANASONIC/ HAVELLS / L&T / OR AS PER ARCHITECT/INTERIOR/CLIENT SELECTION
40	MODULAR SWITCHES, SOCKETS & OTHER ACCESSORIES	HONEYWELL / LEGRAND / SCHNEIDER/ C&S / PANASONIC/ HAVELLS / L&T / OR AS PER ARCHITECT/INTERIOR/CLIENT SELECTION
41	METAL CLAD SOCKET WITH MCB	HONEYWELL / LEGRAND / SCHNEIDER/ C&S / PANASONIC/ HAVELLS / L&T / OR AS PER ARCHITECT/INTERIOR/CLIENT SELECTION
42	PVC TAPE	STEEL GRIP/ANCHOR
43	PVC JUNCTION BOX	PRECISION / NIHIR / POLYCAB / ASTRAL / BBC / AKG
44	LIGHT FIXTURE (FOR ENTIRE PROJECT SINGLE MAKE WILL BE APPROVE)	LIGHTING TECHNOLOGIES / PHILIPS / HAVELLS / WIPRO / CROMPTON / BAJAJ / PANASONIC/ ORIENT/ JAGUAR OR AS PER ARCHITECT/ INTERIOR/ CLIENT SELECTION
45	HIGH SPEED FAN & EXHAUST FAN	BAJAJ/ HAVELLS/ CROMPTON/USHA / ORIENT
46	POLE	BAJAJ / TRANSRAIL / RR ISPAT /K - LITE / AMBICA / OR AS PER ARCHITECT/INTERIOR/CLIENT SELECTION
47	METAL CONDUIT	BEC / AKG / BHARAT/STEEL CRAFT
48	UPS SYSTEM	NUMERIC / APC / VERTIV / EATON
49	EARTHING SYSTEM	CAPE - NISHARP / OBO BETTERMANN / ABB /ASHLOK
50	LIGHTNING PROTECTION	CAPE - NISHARP / OBO BETTERMANN / ABB
51	IP JUNCTION BOX	HENSEL / LEGRAND / OBO / RITTAL
52	CALL BELL	ANCHOR/ ORPAT/ VISION

53	PLC & HMI	SCHNEIDER/ SIEMENS/MK/ABB/DELTA /PHOENIX
54	FIRE STOPPER	HILTI/3M
	Special Note: -	
1	The MCB And MCB DB'S Must Be Of Same Make.	
2	If "Equivalent Make" is proposed for the items then Contractor is required to submit Detailed specifications / certificates for the proposed make for BOQ item, which shall be considered/approved by the Engineer-in-Charge after evaluating performance of the equipment in consultation with Group of Experts. Necessary documents in support of the same shall be submitted before procurement to Engineer in Charge for approval.	
3	Makes/ Models of items of all fixtures/ Items/ Materials must be got approved from the Engineer in charge well before placing any order to the OEM. The contractor/ agency is required to submit all relevant test certificates documents and along with the proposal. The decision of Engineer-in-charge is binding in this regard and no variation is acceptable.	
4	All The Material Should Be IEC Compliant As Per Standard Mentioned In Tender Make List.	
5	The Make Approved Shall Be Guaranteed To Have Support From OEM For Minimum 10 Years With Required Spares.	
6	The Material With Higher Delivery Lead Time Shall Be Immediately Informed To Client / Consultant Before Order Execution.	
7	Procurement of item with aesthetic value and visibility shall be on prior approval of Architect and Engineer in charge for specific area of application.	
8	All the material like switch gears & switches, Lighting fixtures, wire & Cables should be use single approved make throughout the entire project. Any changes in approved make should be confirm with engineer in charge/ competent Authority.	
9	The Client (SAG) reserves the right to select/ change the manufacturer & approved make from the above list at the time of execution.	

<u>LIST OF APPROVED MAKES FOR EXTRA LOW VOLTAGE SYSTEMS</u>		
<u>SR.NO</u>	<u>ITEM DESCRIPTION</u>	<u>MAKE LIST</u>
	FIRE DETECTION & ALARM SYSTEM	
1	FIRE ALARM CONTROL PANEL (FAS)	BOSCH / TYCO (JOHNSON CONTROL) / HOCHIKI / HONEYWELL-ESSAR / SEIMENS
2	MULTI SENSOR & HEAT DETECTORS.	BOSCH / TYCO (JOHNSON CONTROL) / HOCHIKI / HONEYWELL-ESSAR / SEIMENS
3	CONTROL / MONITOR / ISOLATOR MODULES.	BOSCH / TYCO (JOHNSON CONTROL) / HOCHIKI / HONEYWELL-ESSAR/ SEIMENS
4	MANUAL PULL STATION	BOSCH / TYCO (JOHNSON CONTROL) / HOCHIKI / HONEYWELL-ESSAR/ SEIMENS
5	LOOP POWERED HOOTER CUM STROBE	BOSCH / TYCO (JOHNSON CONTROL) / HOCHIKI / HONEYWELL-ESSAR / SEIMENS
6	RESPONSE INDICATOR	BOSCH / TYCO (JOHNSON CONTROL) / HOCHIKI / HONEYWELL-ESSAR / SEIMENS
7	BEAM DETECTORS	BOSCH / TYCO (JOHNSON CONTROL) / HOCHIKI / HONEYWELL-ESSAR / SEIMENS
8	BACK-UP BATTERIES.	EXCIDE / AMARRAJA / AMARON / LIVGUARD / HBL
9	MONITORED POWER SUPPLY	SANSTAR / MEAN-WELL / DELTA / OMRON
	PUBLIC ADDRESS & VOICE EVACUATION SYSTEM	
10	PAVA IP ZONE CONTROLLER & AMPLIFIER	HONEYWELL-VARIODYN / ATEIS-IDA8 / BOSCH-PRAESENSA / EV
11	PAVA SYSTEM SOFTWARE	HONEYWELL-VARIODYN / ATEIS-IDA8 / BOSCH-PRAESENSA / EV
12	PAVA SYSTEM SPEAKERS - CEILING / WALL / SURFACE	HONEYWELL-VARIODYN / ATEIS-IDA8 / BOSCH-PRAESENSA / EV
13	AUDIO SOURCE	HONEYWELL-VARIODYN / ATEIS-IDA8 / BOSCH-PRAESENSA / EV
	IP CCTV SYSTEM	
14	IP CAMERA DOME/BULLET/PTZ	HONEYWELL / TYCO / PELCO / AXIS / BOSCH
15	IP CAMERA - NPR	HONEYWELL / TYCO / PELCO / AXIS / BOSCH
16	IP NETWORK VIDEO RECORDER	HONEYWELL / TYCO / PELCO / AXIS / BOSCH

17	CCTV WORKSTATION	DELL / HP / LENOVO
18	CCTV DISPLAY UNIT	SONY / SAMSUNG / PANASONIC
	DOOR ACCESS CONTROL SYSTEM	
19	SMART CARD READER CUM DOOR CONTROLLER	AXIS / SPECTRA / HONEYWELL / HID
20	ACCESS CONTROL SOFTWARE WITH T&A MODULE.	AXIS / SPECTRA / HONEYWELL / HID
21	SMART CARDS	AXIS / SPECTRA / HONEYWELL / HID
22	EML / DROP BOLT DOOR LOCK WITH MOUNTING ACCESSORIES.	DORMAKABA / BELL / ALGATEC
23	EMERGENCY BREAK GLASS / DOOR RELEASE (GREEN)	DORMAKABA / BELL / ALGATEC
24	DOOR POSITION SENSOR	DORMAKABA / BELL / ALGATEC
25	STAINLESS STEEL EXIT BUTTON	DORMAKABA / BELL / ALGATEC
26	MONITORED POWER SUPPLY	SANSTAR / MEAN-WELL / OMRON
27	SMART CARD PRINTER	FARGO / HID / IDCUBE
28	PRINTERS	HP / EPSON / CANON / BROTHER
	SECURITY SYSTEM	
29	BAGGAGE SCANNER	SMITH / GODREJ / RAPISCAN
30	UNDER VEHICLE SCANNING SYSTEM	COMPORT / GATEKEEPER / VEHANT
31	BOOM BARRIERS	SOMFY / DORMAKABA / FAAC / ZKTECO
32	UHF READER WITH CONTROLLER	SOMFY / HID / ID CUBE
33	TRIPOD ENTRY GATE	DORMAKABA / MAGNETIC AUTOCONTROL / FAAC / ZKTECO
34	SWING LANE GATE	DORMAKABA / MAGNETIC AUTOCONTROL / FAAC / ZKTECO
35	FULL HEIGHT TURNSTILE	DORMAKABA / MAGNETIC AUTOCONTROL / GODREJ / PERTO
36	DOOR FRAME METAL DETECTOR (POLE / FRAME TYPE)	DORMAKABA / PENTASCAN / RAPISCAN / GODREJ / VEHANT
37	VISITOR MANAGEMENT SYSTEM	SUPREMA / HID / SPECTRA / HONEYWELL
38	VISITOR MANAGEMENT WORKSTATION	DELL / HP / LENOVO
39	VISITOR ID PRINTER.	HP / EPSON / CANON
	ICT NETWORKING PASSIVE SYSTEM	
40	CAT6/6A CABLE	BELDON / SCHNEIDER / 3C3 / COMMSCOPE
41	CAT6/6A LOADED PATCH PANEL	BELDON / SCHNEIDER / 3C3 / COMMSCOPE

42	CAT6/6A PATCH CORDS	BELDON / SCHNEIDER / 3C3 / COMMSCOPE
43	CAT6/6A RJ45 IO WITH FACE PLATE	BELDON / SCHNEIDER / 3C3 / COMMSCOPE
44	OUTDOOR SINGLE MODE FIBER CABLE	BELDON / SCHNEIDER / 3C3 / COMMSCOPE
45	LOADED FIBER LIU & ACCESORIES	BELDON / SCHNEIDER / 3C3 / COMMSCOPE
46	FIBER DUPLEX PATCH CORD	BELDON / SCHNEIDER / 3C3 / COMMSCOPE
	ICT NETWORKING ACTIVE SYSTEM	
47	NETWORK SWITCH	CISCO / HP / BELDON / KRAMER / CRESTRON
48	FIBER SFP MODULES	CISCO / HP / BELDON/ KRAMER / CRESTRON
49	VOICE GATEWAY	CISCO / HP / BELDON/ KRAMER / CRESTRON
50	NETWORK ROUTER	CISCO / HP / BELDON/ KRAMER / CRESTRON
51	WIFI ACCESS POINT	CISCO / HP / BELDON
52	WIFI CONTROLLER	CISCO / HP / BELDON
53	FIRE WALL	CISCO / BARRACUDA / FORTINET
54	IP PBX / EPABX	CISCO / CORAL / MATRIX
55	IP / SIP / ANALOGUE DESK PHONE	CISCO / CORAL / MATRIX
56	RECEIPTION CONSOLE UNIT	CISCO / CORAL / MATRIX
57	NETWORKING RACK	VALRACK / RITTAL / NETRACK
58	RACK MONITORED PDU WITH RS-485	VALRACK / RITTAL / NETRACK
	AUDIO VIDEO SYSTEM	
59	CEILING SPEAKER	JAMO / BOSE / TELOME / JBL
60	WALL SPEAKER	JAMO / BOSE / TELOME / JBL
61	MICROPHONE	YAMAHA / BOSE / SHURE
62	AUDIO MIXING CONSOLE	YAMAHA / BOSE / SHURE / SCHEMICES
63	AV CABLES & CONNECTORS	LIBERT / KRAMER / CRESTRON / HONEYWELL / EXTHAR
64	PROJECTOR	CRISTIE / BARCO / PANASONIC / EPSON
65	INFORMATION DISPLAY KIOSK	PARTRONICS / DTEN / XTREMMEDIA
66	LED DISPLAY BOARDS LARGE	PARTRONICS / DTEN / XTREMMEDIA
67	PROFESSIONAL DISPLAY / TV UNIT	SAMSUNG / SONY / PANASONIC / LG / NEW LINE
	INTEGRATED BUILDING MANAGEMENT SYSTEM	
68	IBMS SYSTEM CENTRAL SOFTWARE	ENLITE / HONEYWELL / TRANE / EASYIO
69	IBMS SYSTEM COMPREHENSIVE SOFTWARE	ENLITE / HONEYWELL / TRANE / EASYIO
70	IP DDC CONTROLLER (HARDWIRE INTEGRATION)	ENLITE / HONEYWELL / TRANE / EASYIO

71	IP DDC INTERFACE MODULE (MODBUS / BACNET / SOFT INT.)	ENLITE / HONEYWELL / TRANE / EASYIO
72	IBMS SERVER / WORKSTATION	DELL / HP / LENOVO
73	SPACE/DUCT/OUTSIDE TEMPERATURE + HUMIDITY SENSOR	GREYSTONE / SETRA / NEXTECH / DWYER
74	IMMERSION TYPE TEMPERATURE SENSOR	GREYSTONE / SETRA / NEXTECH / DWYER
75	SPACE CO2 SENSOR	GREYSTONE / SETRA / NEXTECH / DWYER
76	WATER TANK LEVEL TRANSMITTER	GREYSTONE / SETRA / NEXTECH / DWYER
77	DIFFERENTIAL PRESSURE SWITCH (FILTER STATUS)	GREYSTONE / SETRA / NEXTECH / DWYER
78	CURRENT SWITCH	GREYSTONE / SETRA / NEXTECH / DWYER
79	DUCT PRESSURE TRANSMITTER	GREYSTONE / SETRA / NEXTECH / DWYER
80	WATER PRESSURE TRANSMITTER	GREYSTONE / SETRA / NEXTECH / DWYER
81	WATER FLOW METER (M-BUS / MODBUS)	GREYSTONE / SETRA / NEXTECH / DWYER
82	WATER MODULATING VALVE ACTUATOR	SETRA / NEXTECH / BELIMO
	LIGHTING CONTROL	
83	OCCUPANCY SENSOR (US+PIR) CEILING / PASSAGE MOUNT	HAGER / HONEYWELL-MK / SCHNEIDER / STEINEL
84	LIGHTING CONTROLLER 8 CHANNEL	HAGER / HONEYWELL-MK / SCHNEIDER / STEINEL
85	KNX/LIGHTING CONTROL WIRE.	HAGER / HONEYWELL-MK / SCHNEIDER / STEINEL
	CABLES & TRAY	
86	ELV CABLES - SIGNAL & COMMUNICATION	POLYCAB / CALIPLAST / FINOLEX / HAVELLS / AVOCAB / HONEYWELL
87	ELV CONDUIT METAL / PVC	AKG / BEC / PRESISION
88	ELV CABLE TRAY	OBO / PROFAB / INDIANA
89	VIDEO WALL	VESTEL / AET / SAUMSUNG
	Special Note: -	
1	Need Make Approval from consultant & client before Material delivery / Execution at site.	
2	The Client (SAG) reserves the right to select/ Change the manufacture or approved make from the above list.	

3	All the material should be ISI and as per standards mentioned in specifications and BOQ.
4	The make approved shall be guaranteed to have support from OEM for minimum 10 Years with required spares.
5	The Material with higher delivery lead time shall be immediately informed to client / consultant before order execution.
6	The approved make can change in case there is change in technical / functional requirement by client.

HVAC Make List

Sr No.	Material/ Item	Preferred Make
1	Air handling Units/ treated fresh air units / Ventilation Units	Systemair/ Flaktgroup/ Carrier/ Edgetech/ VTS/Citizen/ Zeco
2	Air Washer	Systemair/ Flaktgroup/ Carrier/ Edgetech/ VTS/Citizen/ Zeco
3	Air Separator	Xylem/ Emerald/ Anergy/ K D Agencies
4	Al. Sheets	Hindalco/ Balco/ Nalco
5	Aluminum tape	Johnson/ Birla-3M/ Nippon Industries
6	Anchor/ Fastener	Hilti/ Fisher/ MUPRO
7	Auto Air Vent	Anergy/ RapidControl/ SKS/ Sant Industries/ Honeywell/Castle
8	Balancing Valves	Advance/ Honeywell/ Danfoss/ T&A/ Flowcon
9	Ball Valves set with &without Y Strainer For FCU	Honeywell/ Emerald/ Zoloto
10	Butterfly Valves	Audco/ Advance/ Honeywell
11	Ball Valve	Zoloto/ Honeywell/ Audco/ Emerald/ Rapid Control/ Castle
12	Cabinet Fans	Systemair/ Kruger/ Greenheck/Nicotra
13	Centrifugal Fans for ventilation/ AHUs/ Airwasher	Systemair/ Kruger/ Greenheck/Nicotra
14	Water chilling machine/ Auto tube cleaning/Chiller plant manager (CPM)	Carrier/Climaveneta/York/Trane/ Daikin/Blue star
15	Celdeck Pad	DRI/ Humidin/ Munters

Sr No.	Material/ Item	Preferred Make
16	Check Valves	Audco/ Advance/ Honeywell
17	Closed Cell Nitrile rubber insulation/ EPDM insulation	Armacell/ K- Flex/ Diamond Flex / Paramount
18	Closed Expansion Tank	Xylem/ Armstrong/ Reflex/ Sevcon/ Emerald/ Anergy
19	FRLS Cables	As per Electrical Section make list
20	Cooling Towers (CTI/ CERTIFIED)	Advance2020/ Bell / Paharpur
21	Differential Pressure Switch (Water)	Johnson/ Staefa/ Honeywell
22	DX units and VRF	Daikin/ Hitachi/ Toshiba/ Blue Star/ Mitsubishi Electric/ LG /carrier/Voltas/Samsung
23	Dry Scrubber	Trion/ Ryd Air/Humidin/ ESPAIR
24	EC Fan	ziehl-abegg/ Rosenberg/ Ebm-papst
25	Expansion Bellows/ Pipe Supports/ Vibration Isolators/ Duct Flexible Connections	Resistoflex/ Kanwal(Easyflex)/ Cori/ Flexionics
26	Fan coil Units / CHW Cassette AC / Split AC	Edgetech/ JCI/ Diakin/ Trane/Citizen/ Zeco/Carrier/Mideakubic
27	Filters (Pre, Fine, Hepa)	Dyna Filters/ American Air Filter/ Camfil/ Thermodyne / Frudenberg
28	Flexible Duct	Twiga/ RuskinTitus/ Atco/ Kimmco/ Sevenstar
29	Flow switch	Rapidcool/ Siemens/ Anergy/ Honeywell/ Danfoss
30	FRP Material	Reichhold/ Equivalent
31	Fibre glass insulation	Owens corning/ U. P. Twiga / Kimmco

Sr No.	Material/ Item	Preferred Make
32	Fire Paint	Flamebar / AMEETUFF/ 3M / promat/ JAY & CO-Cischem
33	G.I. Pipes	SAIL/ Tata/ Jindal(HISSAR)
34	G.I. Sheets / PPGL Sheets	SAIL/ Tata/ Jindal
35	Grills/ Diffusers/ Fire Dampers/ Louvers/ Volume Control Dampers/ Back Draft Dampers	Systemair/ Caryaire/ Cosmos/ Trox/ Greenheck / Ruskintitus
36	GSS Factory Fabricated Ducts/ Duct Flanges	Rolastar/Zeco/ Ductofab/ Asawa/Waves / GP Spira
37	Heat Pump	Carrier/ York/ Trane/ Daikin/ Bluebox
38	Inline Fans	Systemair/ Kruger/ Greenheck/ Humidin/ NicotraAir Flow / Wolter/Caryaire
39	M.S. Pipes	(i)SAIL/ Tata/ Jindal(HISSAR) (below 350 mm dia) (ii) SAIL/ Tata/MSL (above 350 mm dia)
40	M.S. Sheets	SAIL/ Tata/ Jindal
41	Motorized Actuator For Valves& Damper	Belimo/ Honeywell/ Siemens/ Johnson Controls
42	Motorized Butterfly valves	Honeywell/ Belimo/ Siemens/ Johnson controls/ Advance
43	Induction Motors	ABB/ Siemens/ CGL/ Bharat Bijlee//Marathon/Havells
44	Ozone Generator	Ultrafresh/ Eltech/ Omniscient/ Chemotronic/ Ruks engineers ltd / Faraday
45	PIBC Valves	Danfoss/ Siemens/Belimo/ Flowcon/ Oventrop

Sr No.	Material/ Item	Preferred Make
46	Plug Fans	Ziehlbegg/ Kruger/ Nicotra/ Greenheck/ Systemair
47	Pot Strainer	Advance/ Honeywell/ Emerald/ SANT/ SM/ Sandhu
48	Precision AC	Emerson/ Bluebox/ Flaktgroup/ stulz
49	Pressure Gauge	Fiebig/ H.Guru/ Emerald/ Dwyer
50	Pressure Relief Dampers	Trox/ Systemair/ Cosmos/ Caryaire/ Airflow Engineers/Greenheck
51	Pressurization Unit	Xylem/ Armstrong/ Reflex/ Sevcon/ Emerald/ Anergy
52	Propeller Fans	Kruger/ Greenheck/ Caryaire/ Systemair/ Crompton/Nicotra/Air Flow/ Wolter
53	Puff pipe support	Malanpur/ Lloyd/ Beardsell/Alaska/ ShethInsulation
54	PVC Eliminators	Muntermz/ BKBextrusions/ D.P. Engineers/ Enviro Tech
55	PVC Pipes	Finolex/ Prince/ Supreme/ Ashirwad/ Astral
56	Refrigerant Piping	Mandev/ Mexflow/ Rajco
57	Rock Wool insulation	Roxul-Rockwool/ Rockwoolindia/ Lloyd/ Owens corning
58	Spiral Round/ Oval ducts	GPspira/ Dustech/ SpiralTubes/ Asawa
59	Split/ Window AC	Carrier/ Daikin/ Hitachi/ Mitsubishi/ Blue Star/Voltas/Lloyd/Toshiba
60	Starbond/ Lag Protective Coating	Paramount polytreat/ Pidilite
61	Thermometers	Feibig/ H.Guru/ Emerald/ Dwyer
62	Pre-insulated Pipes	Perma / Severnstar / Zeco

Sr No.	Material/ Item	Preferred Make
63	Engineering Dehumifier	Condair/Bryair/Munters
64	Ultrasonic/ Electromagnetic Flow meter	ABB/ Siemens/ Emerson/ Kamstrup/ Virtec/L&G
65	Ultrasonic Humidifier	Carel/ Daspas/ Radipcool/ Stulz
66	UV lamp	AlfaaUV/ Aeropure/ Sanuvax/ Ruks
67	Vane/Tube Axial flow Fans	Kruger/ Greenheck/ Systemair/Nicotra
68	Variable frequency drive	ABB/ Allenbradley/ Danfoss/ Siemens/ Schneider/ L & T
69	VAV/ CAV Boxes	Trox/ Trane/ JohnsonControls/ Honeywell/ Systemair/ Cosmos/ Carryaire
70	Flexible Coupling	Victaulic/ Tyco
71	Water Pumps	Armstrong/ Xylem/ Grundfos
72	Welding Rods	Advani/ L&T/ ESAB
73	Steel Wire Rope Support	Gripple / Conklin / HILTI
74	Y-Strainers / Suction Guide	Advance/ Honeywell/ Emerald/ SANT
75	2-way/ 3-way Modulating Valves and Thermostat	Johnson Controls/ Siemens/ Honeywell/ Danfoss/ Oventrop / Belimo
76	Active/ passive Harmonic filter for VFD (Except for Chiller VFD)	L&T/ EPCOS/ Schneider/ Danfoss/ ABB
77	FCU Manifold Kit	Caleffi / TA / Oventrops
78	Fabric Ducts	Prihoda/Nutech/FabricSox
Note:-All electrical items makes to be considered from electrical list of makes		

Notes: -

- Makes/ Models of items of all fixtures/ Items/ Materials must be got approved from the Engineer in charge well before placing any order to the OEM/ its authorized dealer. The contractor/ agency is required to submit all relevant test certificates documents and along with the proposal. The decision of Engineer-in-charge is binding in this regard and no variation is acceptable.
- Procurement of item with aesthetic value and visibility shall be on prior approval of Architect and Engineer in charge for specific area of application.
- In case of products not indicated in this list, BIS/ IS marked products shall be preferred.
- For “Equivalent Make” mentioned for the items in Make List :- Contractor is required to submit detailed specification of the proposed make for BOQ item, which shall be considered/approved by the Engineer-in-Charge after evaluating performance of the equipment in consultation with Group of Experts. Necessary documents in support of the same shall be submitted before procurement to Engineer in Charge for approval.

LIST OF APPROVED MAKES FOR FIRE FIGHTING		
Sr No.	Item	MAKE
1	Diesel Engine Pumps	Kirloskar / Lubi/Armstrong /Grundfos
2	Electrical Pumps	Kirloskar / Lubi/Armstrong /Grundfos
3	Jockey Pumps	Kirloskar / Lubi/Armstrong /Grundfos
4	Pressure Switches	Danfoss / Indfoss / Varie
5	OS & Y Valve with Ductile Iron Body,	Sant / L&T / Audco
6	Cast Iron Y type strainer	Sant / L&T / Audco
7	D.I. Butterfly Valve	Sant / L&T / Audco
8	Wafer type double flanged ball type non return valve	Rapidrop / Viking / Victualic / Sant
9	Pipes	Jindal / TATA / Surya
10	Structrual Steel	ISI Marked
11	Tube type Flowmeter of size 150 NB	Rapidrop / Viking / Victualic / Sant
12	Pressure Relief Valve with waste cone	Sant / L&T / Audco
13	Circulation relief valve pressure not less than 20 bar	Zoloto/Sant/Viking
14	Hydrants System Accessories	NEWAGE GUJARAT / MINIMAX / EVERSAFE / Sant / L&T / Audco
15	Hose Box	NEWAGE GUJARAT / MINIMAX / EVERSAFE / Sant / L&T / Audco
16	Sprinklers, Flexible, Flowswitch and Accessories	NEWAGE GUJARAT / RAPIDROP / VIKING / VICTAULIC / Sant / L&T / Audco
17	Flexible Droppers	NEWAGE GUJARAT / RAPIDROP / VIKING / VICTAULIC Sant / L&T / Audco
18	Test and Drain	NEWAGE GUJARAT / RAPIDROP / VIKING

19	Cables	FINOLEX / RR KABLE / AVOCAB / HAVELLS/ POLYCAB / KEI
20	Portable Fire Extinguishers	Safeguard/Ceasefire/Minimax
21	4 - Way Siamese connection tank inlet connection with built-in NRV connecting 150 NB pipe.	NEWAGE GUJARAT / MINIMAX / EVERSAFE
22	RCC foundation supports (0.2 cu.m per support)for A/G Pipes complete with concrete grade M20 including cost of fine aggregate, coarse aggregate, cement, water , form work, steel reinforcement MS Flats, U bolts & nuts, painting material, ms supports etc complete as per drawing.	As per specification and drawing
23	Coating and Wrapping	PYPEKOTE/RUSTEK/COATEK
24	Orifice Plate SS 304 thickness	Local Manufactured
25	NP2 class pipes	Indian Hume Pipe / Alcock / Jain spun pipe / Pragati / Daya spun pipe
26	Pressure relief valve of 25mm MOC-Brass PN 20 rating UL/FM Listed	Rapidrop / Viking / Victualic
27	Water cum foam Monitor ar for throw range minimum 53m and with foam pickup tube.	NEWAGE GUJARAT / MINIMAX / EVERSAFE
28	MCC Panel	Kirloskar/Lubi/Munilekelectric
29	Non Return Valve	Rapidrop / Viking / Victualic / Sant / L&T / Audco
30	Pressure Relief Valve, Circulation Relief Valve	Rapidrop / Viking / Victualic / Sant
31	Pressure Guages	H Guru/ Wiki/ Feibg
32	DI Threaded Fittings UL&FM	NVR / Viking / Victualic / Rapidrop / Sant / L&T / Audco
33	Butt Weld Fittings	Zoloto / VS / Culcutta tubes & valves / Unik
34	Gas Leak Detectos and Ammonia Detectors	Schrack/Ambetronics

LIST OF MAKE OF LIFTS

SR.	MAKE OF THE COMPANY (Premium Segment)
1	MITSUBISHI ELEVATORS
2	SCHLINDLER ELEVATORS
3	JOHNSON LIFTS
4	TRIO ELEVATORS
5	ORBIS ELEVATORS

NOTES FOR ALL MAKES:

Make of various items offered by the tenderer shall clearly be marked in the above list. However, the final choice of the selection of particular make solely lies with Client / Consultant which shall mutually be agreed upon before finalization of order.

Approval must be needed for the all material; sample will be submitted to consultant / client along with detail catalogue and technical data sheet.

Make of any other or missing items required but not specifically mentioned shall be got approved by Client / Consultant.

Note: Compatible for physical disabled/ Handicap user performance