

## LIST OF APPROVED MAKES

### CIVIL MAKE LIST

Sr. No.	Item	Brands
1	Cement	Ambuja, Ultra Tech, ACC, Sidhee, JK Laxmi, Binani, Jaypee, Sanghi, Unity, Hi-bond, Wonder, Shree
2	TMT FE – 500D	Tata, SAIL, RINL (VIZAG), National, Electotherm, ASR Thermax, Gallant, Friends, Vinayak, Varsana, Utkarsh, God, Vibrant TMT, Mono, Briskon, SRMB, Welspun, SHIELD, Steefo, German, Rudra TMX, SR TMX, Poddar, Maheshvar TMX
3	Sand	As per Mix design for concrete work or zone-II. For Masonry and plaster work zone – III
4	Birck Masonry	Having crushing strength not less than 35 Kg/ Sqcm of Locally Available
5	Aerated Light Weight Concrete Block Masonary (AAC Block Masonary)	Aerocon, Cyporox, Magicrete, Ecolight, Infinity
6	Structural Rolled Steel sections-beams, channels, tee, flats, angles, bars(round, square, hexagonal)	Tata, SAIL, RINL, Jindal
7	Structural Hollow steel sections (Square & Rectangular)	Tata, Asian, Jindal, Appolo, ASR, Surya
8	Structural tubular sections	Tata, Asian, Jindal, Appolo,
9	Teak Wood	Ghana, Berma Teak (Indian Teak) C.P.
10	Sal Wood	Indian or Imported (First Class)
11	Flush Door (decorative / non decorative)	Infinity, Green, Duro, Century, Swastik, Kit Ply, Anchor, Uniply, Archid ply, Bhutan Board, Hindustan Board/equivalent.
12	Plywood/Block Board/ Soft Board	Anchor, Duro, Merino, Century, Kitply, Aeroply, Hogan Ply
13	Water proof/Marine grade plywood as per – IS – 710 (BWP)	Green, Archid, Kitply, Anchor, Uniply, Century, Nippon
14	Commercial Plywood – IS – 303 (BWR)	Green, Archid, Kitply, Anchor, Uniply, Century

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15	Decorative ply (Veneer)	Green, Durian, Century, Archid, Nippon, Nickel
16	Natural Veneer	Timex, Durian, Century Ply
17	MDF	Nuwood, Duratuff (exterior grade only), Green Panel
18	Prelam particle board	Novapan, Anchor, Merino, Bhutan. (Exterior grade only)
19	Laminate sheet	Formica, Greenlam, Century, Durin, Alfa-ica, Decolam, Sundek, Bloom, Merino, Sunmica, Euro, Rebecca, Livmica, Airolam
20	Liquor /Melamine /PU polish	MRF, Asian, ICI, Taralac
21	Wooden Adhesives	Fevicol, Blue coat, Araldite, Pidilite, Dunlop.
22	Aluminium Sections	Jindal, Indian Aluminium section, Hindalco (Indal), indal,Hindalco
23	Interior works	Super durable powder coated (Akzonobel, Jotun, Fuller AG)
24	Façade exteriors	PVDF finish (Valspar, PPG, Akzonobel)
25	Non visible surface	Chromatizing
26	Aluminium Window Locks , Handle, Friction Stays	Alualpha, Securestyle, Giessee, Roto, Geze, Savio,Frikstay
27	Oxidised Aluminium Fitting	Dorma, Ebco, Doorline, Classic
28	Aluminium Louvers	Technal, Domal, Metalium
29	Anodising	Bhoruka alum, Alufit alum, Ajit India, Alufin
30	Gasket of infill panel for Aluminium	Amee Rubber, Gold Seal, Osaka rubber, Maharashtra Polymer, Maharashtra Tyre & Rubber Industries.
31	Rough ground for Aluminium works	IS 710 ply, 6mm to 8mm thick or Ghana teak.
32	Compact sheet	Alfiaca, Sundek, Vir, Bloom, Formica, Merino
33	Cement bonded particle board	Shera, NCL (Bison board), Everest (Eternite).
34	Calcium silicate board / Gypsum Board	Saint gobain Gyproc, Hilux ,Lafartz, Aerolite, Armstrong
35	Dead Locks/ Mortise locks/ Narrow stile dead locks/ Tubular locks	Kich, Dorma, Dorset, Yale, Godraj, Enerite, Sigma, Opel, Doorset, Europa
36	Float Glass / Wired Glass, Mirror	Modi Guard, Saint Gobain, Float Glass India Ltd.HNG.
37	Reflective Glass	Saint Gobain, PPG, Asahi, Emirates, Pilkington.

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38	Glass Processor For HS/HT, Bulletproof, DGU, Toughness, lamination etc.	Impact Safety, Glasstech, GSC, Asahi, FG Glass, Goldplus, Emirates
39	Precast Terrazo Tiles (Mosaic)	Royal ,Alcock, Vyara, Nitco, Aqualisa Ceramica
40	Ceramic Tiles	Asian, Euro, Bell Ceramic, Johnson, Somani, Nitco, Kajaria, Varmora. Sempolo, Aqualisa Ceramica
41	Glazed Tiles	Asian, Euro, Bell Ceramic, Johnson, Somani, Nitco, Kajaria, Varmora. Sempolo, Aqualisa Ceramica
42	Vitrified Tiles	Asian, Euro, Bell Ceramic, Johnson, Somani, Nitco, Kajaria, Varmora. Sempolo,Cristal,Aqualisa Ceramica
43	Glass Mosaic	Bisazza, Palladio, Italia, Aqualisa Ceramica
44	Paver Block	Vyara, Super Cement, Pavcon or Equivalent make
45	Grass Paver Block	Amdavad Enviro, Pavcon
46	Non-Metallic Floor Hardener	Ironite, Fosroc, STP, CICO, Sika
47	Cement Concrete Tiles Designer Tiles	Ultra, Eurocon, Nitco, Modern Tiles Group of Industries, Aqualisa Ceramica
48	Tile Adhesives & Grouting material	BAL, Laticrete, Kerakoll
49	White Cement	Birla, J.K.
50	Paint, Primer, Putty	Asian, Berger, ICI, Birla (putty), JK (Putty) Nerolac, Wonder,JSW,Delux,Birla Opas
51	Synthetic Enamel Paints	Berger, Asain, Nerolac, Duco
52	Acrylic Distemper	Asian, Berger, Nerolac,ICI
53	Cement Paint	Snowcem Plus, Berger, Nerolac
54	Plastic Emulsion Paint	Asian, Nerolac, Berger/Asian,ICI
55	Low VOC Paint/ Emulsion Paint	Asian, Nerolac, Berger,ICI
56	Texture External Plaster	Spectrum, Coral, Terre Palette
57	Aluminium Façade Screen Wall	Oculus Building Products Pvt. Ltd., Permasteelisa (India) Pvt. Ltd., NBK Architectural
58	ACP (Aluminium Composite Panel)	Alu Décor, Flexibond, Durabuild, Indobond, Alstone, Viva, Eurobond,Timex
59	Construction Chemicals (Plasticisers, Bonding agents, SBR Latex, Micro Concrete)	BASF, Fosroc, Sika India Pvt. Ltd., CICO Tech Ltd., MC Bauchemie , Sunanda chemicals, Pidilite
60	Chemical Water proofing & Integral water proofing compound	Chryso, CICO, Fosroc, Kryton, Sika, Dr. FIXIT, Plastocrete plus , F Airmate, Pidilite Ind Ltd, Tikidan
61	Crystalline water proofing	Penetron / Kryton
62	Silicon Sealant/ Silicon Paint	Wacker, Dowcorning, GE, Soudal, Bostik, Chryso
63	Polysulphide Sealant	Pidilite, Chawksey
64	P.U sealant	Sika (Exterior grade - UV resistant) / Laticrete

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65	PVC Water Stop	Arti Cables Baroda, Fixopan, Maruti
66	Door Window Hardware	Kich, Dorma, EPPW ,Palladium, Magnum
67	Floor Spring	Dorma, Mab, Hafle, Doorset, Everite, Omega, Hardwyn
68	Hydraulic Door Closer	Dorma, Yale, Hafle, Hardwyn, Trium, Everite,Hyper
69	Pre-coated Steel Roofing/ Walling Sheets 550 Mpa	Tata Bluescope, Interarch, Nippon Dendro (poly steel) Shree Precoated (Meta color)
70	Polypropylene Fibers	Nina Concrete, Reliance
71	Fire Door	Shaktimat, AGEW, Radiant, navair, envirotech
72	PVC Door	Rajshri, Sintex,Kaka
73	Anchor Fasteners	Axel, Hilti, Fischer, Kundan, Mungo, Corroshield, Buildex
74	Spandrel Insulation	Glass Wool
75	Wool Felt/Weather Strip	Anand, Reddiplex Ltd.
76	Stainless Steel Railing/ Fittings	D Line, Dorma
77	Rust Remover/Converter	Feovert (Krishna Conchem), Roff Rust Clear (Pidilite Industries)
78	Non-shrink General Purpose Grout	Fosroc, BASF
79	Anchoring Chemical for Rebar Dowell Bar	Hilti, Fischer, Axel
80	SS clamps for cladding	Hilti, Axel
81	MS Rolling Shutter	Sona, Sagar, Suryoday, Gandhi, stndard, swastik, shudhwar
82	WPC Door shutter, WPC Door Frame	Alstone,Ecoste, Archidply, Everwood
83	Hardware	Dorma, hafele, geze, assabloy, hettich
84	GRC	Unistone, dalal tiles industries, kfpl / kk / birla white / equivalent,glo panels pvt. Ltd, Corinothan
85	Fire rated doors	Infinity, Iclean, shakti hormann,promat
86	Furniture	Godrej, featherlight, Vipra, HOF, merryfair, Nilkamal
87	Toilet cubicle	Merino, greenlam sturdo classique grandeur, solace (ss series) by spcms, t line, dorma,trespa

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88	Maple wooden flooring	Connor, robbin, action, aacer, prestige
89	Synthetic Sports Flooring	Decoturf / Rebound / kenncoat
90	VINYL Sports Flooring	GERFLOR / MONDO / TARKET
91	EPDM ROLL	ALP / FAIRMONT / SOFLEX / CATY
92	Sports Equipments., i.e Basket ball movable post, Bedminton post, volleyball post, kho-kho post, Table for Table tennis etc.	COSCO, VERSA, WONVEX, STEED, BRO ACTION or Equivalent make as directed by client/Consultant
93	Acoustic false ceiling	Armstrong-Optra, Off, Sound Easy, Quietude,
94	PUF Insulated continuous sandwich panels	Uma signature, Banal, Buildtech
95	fire retardant doors	Navair, ozone, Quietude
96	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
97	Rockwool Insulation	Rockwool India, Roxul Rockwool, Owen Corning, Twiga
98	Roof Hatch System	Bilco, Capital Safety
99	Fall Protection System	Latchways, Capital Safety, Unistrut
100	Retractable Sheests	Avant, National 'C & D'
101	Badminton Equipment	Yonex, Victor, Harrod UK, EBACO
102	Volleyball Equipment	Senoch Japan, Mikasa
103	Handball Equipment	Shelde, Molten, Harrod
104	Tennis Equipment	Gujarat sports,Joola, Stiga, Dha Sports e.
105	Basketball Equipment	Shelde Sports, Sports System Italy, Senoh
106	Aluminum Standing seam roofing Sheet	Kingspan-Rigidal/Bemo/Sanko
107	Swimming Pool Tiles, Deck tiles & Fittings	Johnson Endura
108	Adjustable louvers	Domal/ Reyners/ Technal/ shrisaialuminium

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109	DGU Façade	Domal/ Reyners/Durall Systems
110	Grid for PVC False ceiling	Saint Gobin, Armstrong, USG
111	PVC Board	Selters,Rajshree,Armstrong
112	Anti-bacterial Paint	Sikka / Liquid Plastic/SSK/Viessmann /artilin / BASF / Huntsman
113	Metal False Ceiling	Armstrong Orcal, Saint Gobain, Gyproc
114	Locks	Godrej, Dorset, Yale, EPPW, Dorma, Kitch.
115	Adhesives	BAL, Myk Laticrete, BASF, Araldite,Pidilite,Dunlop, Fevicol,Blue Coat
116	Aluminum Mesh/Architectural Meshes	Expanded Aluminum ALUMINCO, PEMPL
117	Porcelain Petit Carre Finger Grip tile, Porcelain Petit Carre Anti slip tile	Serapool
118	Rustic Finish Tile	Jonhson Endura
119	Chairs, Readymade Tables and other movable Furniture	Nilkamal, Godrej, Panam, Vishwa, Aarti, HOF
120	Dustbin	Nilkamal, Godrej, Supreme, Vishwa
121	Hand Lock & Other Accessories	Kitch, Godrej, Ebco, Dorma
122	Roller Blind/Curtian	Vista, Neon, MAC
123	Computers	HP, Dell, Lenovo
124	Printer	HP, Brother, Epson, Canon
125	Photo Copier Machine	Ricoh, Konica, Sharp
126	Synthetic Athletic Track SANDWICH system	Porplastic, Rectron, Konica, KDF, Stockmeier Urethanes, HERCULA, BSG Sp. Z.o.o- POL, Novol Sp. Z.o.o- POL, MRI Polytech- GBR Approved by World Athletics (also known as IAAF) as per tender Specifications.
127	Synthetic turf	Polytan, Fieldturf, Iano, Greenfields, Jura, CCGrass, AstroTurf, ACT Global, TigerTurf or Equivalent FIH certified Preferred make Product with 5 years warranty period.
128	Red brick cladding	Bhakti Bricks Industries Pvt. ltd, JAY JALARAM Brick, Fabulous stone, Vintage bricks, The brick store

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129	Precast Storm water drain and Precast Cover	Fuji Silvertex , Trilok Infratech
130	Popup sprinkler system	Bularain, Rainbird, Automat, Hunter, Toro or equivalent make
131	Discus Throwing Circle/Ring	Nelco/AFN/Nordic/ATE/Sodex
132	Hammer Throwing Circle/Ring	Nelco/AFN/Nordic/ATE/Sodex
133	Shot Put Throwing Circle/Ring	Nelco/AFN/Nordic/ATE/Sodex
134	Take of boards along with plasticine indication Boards and Blanking Boards for Long Jumps	Nelco/AFN/Nordic/ATE/Sodex
135	Take of boards along with plasticine indication board and Blanking Boards for triple jump.	Nelco/AFN/Nordic/ATE/Sodex
136	Stop board for shot put.	Nelco/AFN/Nordic/ATE/Sodex
137	Throwing safety cages with required poles and net incl. the ground fixing sleeves and ground hooks etc. for Discus and hammer Throw.	Nelco/AFN/Nordic/ATE/Sodex
138	Aluminum track kerbing with fixing arrangements.	Nelco/AFN/Nordic/ATE/Sodex

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**LIST OF APPROVED MAKES**

**PLUMBING MAKE LIST**

Sr. No.	Item	Brands
1	Vitreous China Sanitaryware	Jaquar, Hindware, Cera, Kohler, Lauvet, Aqualisa
2	Plastic W. C. Seat Cover	Jaquar, Hindware, Cera, Lauvet, Kohler,
3	Stainless Steel sinks	Nirali, Jayna, Kingston, Neelkanth, Johnson, Prestige, Parry, Franke, Salem,
4	C. P. Fittings & Accessories	Jaquar, Hindware, Lauvet, Cera, Kohler,
5	Ultra Violet Water Purifier	Alfa Water purifiers, Eureka Forbes
6	Hydro pneumatic System and Water Supply Pumps	Wilo, Grundfos, IIT Industries,
7	G. I. Fittings	RV' & 'R' Mark, Unik, DRP, UNCO, R BRAND, UNIK, ZOLOTO, TATA, BANSAL OR EQUIVALENT.
8	G. I. Pipe/M. S. Pipes	Tata, Jindal, Prakash, Zenith, Surya, Asian, Gujarat Steel Tube, BANSAL OR EQUIVALENT.
9	C. P. V. C. Pipes & Fittings	Astral / Ashirvad / Ajay / Finolex / Hindware/Prince
10	U. P. V. C. Pipes & Fittings	Astral / Ashirvad / Ajay / Finolex / Hindware/Prince
11	P. V. C. Pipes & Fittings	Astral / Ashirvad / Ajay / Finolex / Hindware/Prince
12	Gun metal valves	Sant / Zoloto /Honeywell
13	CI Sluice Valves, Check valves	Sant / Zoloto /Honeywell
14	Ball Cocks	Sant / Zoloto /Honeywell
15	UPVC Borewell Column pipe	Astral, Supreme, Prince, Ashirvad Pipes
16	HDPE Pipes	Duralinr, Penwalt Agru, Nocil, Jain, Supreme.
17	Fibre reinforced R.C.C. Manhole Cover	Pratibha, CIDCO, HIMALAYA
18	C. I. Manholes Covers and Frames	Ashok Iron , Raj, Neco, R. I. F., B. C., Neer, GMGR Approved ISI Marked
19	Submersible Drainage Pumps	Kirloskar, Mather & Platt, KSB

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20	Liquid Level Controllers Liquid Level Indicators	Hema, Minilec, Radar
21	Borewell Pump	DP, KSB, Kirloskar, Mather & Platt
22	Mirror	Modi, Asahi, Saint Gobin
23	Drinking Water Cooler	Usha. Bluestar, Voltas
24	Chlorine Dosing System	Toshcon, Chloromax, Astalm
25	Seat Cover (heavy duty)	Jaquar, Hindware, Cera, Kohler
26	Butterfly Valve	Sant / Zoloto /Honeywell
27	Gunmetal Non-Return Valve	Sant / Zoloto /Honeywell
28	Water Meter	Kapstan Bombay, Voltas Kent, Calcutta
29	P.V.C. / H.D.P.E Water Tanks	Syntax, Reno, Ashirvad Pipes,Purvee,Kaveri
30	SWR Pipe	Astral / Ashirvad / Ajay / Finolex / Hindware/Prince
31	Copper Pipe	IBP-Neco, Rajco, Mandev, Hariom, Maxflow
32	Hot Pipe Insulation	Armacef, Champion & Charminar
33	RCC Hume Pipe and Fittings	Patel Hume Pipes, Alcock, Indian Hume Pipe
34	Polyethylene Composite Pressure Pipe	KITEC or Equal Approved
35	Stoneware Pipes & Fittings	Mahavir, Taya & Unique
36	Pump Set	Wilo, Grundfos, IIT Industries,

#### Notes

- The list provided approved make. However, technical specification of each item to be procured required client's approval.
- It is mandatory to get client approval for supply of any material other than approved make
- Client reserves rights to change / modify the approved vendor at any point during the project and contractor to abide the same.

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**ELECTRICAL MAKE LIST**

SR.NO.	ITEM	STANDARD MAKE
1	OIL COOLED TRANSFORMER	ABB/SCHNEIDER/VOLTAMP
2	H.T. VCB / PANEL	ABB / SIEMENS / SCHNEIDER ELECTRIC
3	PROTECTION RELAY FOR H.T PANEL	GE / ABB/L&T/SIEMENS/SCHNEIDER
4	H.T. XLPE CABLE	UNIVERSAL / TORRENT/ FINOLEX/HAVELLS/KEI
5	H.T. JOINT (HEAT SHRINKABLE)	RAYCHEM / XICON/ 3-M
6	LT PANELS	CPRI / ERDA APPROVED PANEL BUILDER. 70 KA SHORT CIRCUIT WITHSTAND STRENGTH. ACCESSORIES AS PER MENTIONED IN MAKE LIST.
7	DISTRIBUTION BOARDS	LEGRAND/ SCHNIEDER / HAGER/C&S
8	MEDIUM VOLTAGE CABLE	FINOLEX / RRKABLE / KEI / HAVELLS/POLYCAB
9	CABLE TRAY ( ALL TYPE )	PROFAB/PRECISION /UNIVERSAL/ INDIANA / DUDHAT
10	LT SWITCHGEAR (ALL RANGE)	AS PER SPECIFIED PANEL DISCRIPTION IN BOQ. MODEL AS PER SPECIFIED IN BOQ ABB/SIEMENS/SCHNIDER/LEGRAND
11	LT MCCB	SIEMENS / SCHNEIDER / LEGRAND / ABB/C&S
12	LT MCB, ELCB	LEGRAND / SIEMENS / SCHNEIDER/ C&S/HAGER
13	LT SFU	SIEMENS / SCHNEIDER ELECTRIC / C&S / L&T / ABB /STANDARD
14	LT CONTACTORS	SIEMENS / SCHNEIDER ELECTRIC / L & T / ABB / C&S /INDOASIAN / LEGRAND
15	CHANGE OVER SWITCH	ABB/L & T/INDOASIAN/C&S
16	METERS (ANALOG)	MECO / IMP / RISHABH / AUTOMATIC ELECTRIC / NIPPEN
17	METERS (DIGITAL)	ENERCON / CONZERVE / SCHNEIDER / AE / SECURE / ABB
18	LOAD MANAGER	ENERCON / SEM / KRYKARD / CONZERVE / NIPPEN/ L &
19	RELAYS- EARTH FAULT	SIEMENS / SCHNEIDER ELECTRIC / GE / L & T / C&S
20	INDICATING LAMP	SIEMENS / SCHNEIDER ELECTRIC / L & T / BINAY / ABB / MG / KAPPA/ PRECIFINE/ TEKNIC
21	ELECTRIC TIMER	SIEMENS / L&T / LEGRAND/CONSERVE / EAPL
22	ROTARY SWITCH	SIEMENS / SCHNEIDER ELECTRIC / KEYCEE / SALZER
23	PUSH BUTTON AND PUSH BUTTON SET	SIEMENS / SCHNEIDER ELECTRIC / L & T / BINAY / ABB / MG / BCH / RAAS CONTROL /
24	SELECTOR SWITCH	KEYCEE / SALZER / L&T
25	ANNUNCIATOR	PROTON / EAPL / DYNAPEK
26	LUGS	DOWELL'S / 3D / JAINSON / COMET / HMI / (ISI MARKED)
27	BIMETALLIC LUGS	ISMAL / HMI / (ISI MARKED)
28	CABLE GLAND	JAINSON / 3D / COMET / HMI (ISI MARKED)
29	PVC CONDUITS AND ACCESSORIES	PRECISION / NIHIR / POLYCAB
30	CASING CAPING	PRECISION / NIHIR / POLYCAB / MODI

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31	MODULAR SWITCHES, SOCKETS & OTHER ACCESSORIES	MK- WRAPROUND / LEGRAND-MYRIUS/HAVELLS - CRABTREE-ATHENA / PROMOT
32	KEY TAG PANEL WITH CONTROL SWITCH	MK/LEGRAND/SCHNEIDER
33	METAL CLAD SOCKET WITH MCB	SIEMENS/C&S/HONEYWELL/LEGRAND
34	PVC TAPE	STEEL GRIP/ANCHOR/ABRO
35	PVC JUNCTION BOX	SINTEX / CLIPSAL/NIHIR/PRECISION
36	WIRES FOR INTERNAL WIRING	FINOLEX / RRKABLE / HAVELLS / POLYCAB/ WINFLEX
37	COAXIAL TV CABLE	DELTON / NATIONAL / HAVELLS / RR /FINOLEX
38	CONNECTORS (COLOURS AS PER PHASE & NEUTRAL)	SALZER / ELEMEX / WAGO / CONNECTWELL/PHOENIX
39	INTERNAL LIGHT FIXTURES	GE/ PHILIPS / WIPRO / HAVELLS/SCHREDER /BAJAJ/CROMPTON/LIGHTING TECHNOLOGY
40	POLE	BAJAJ/VALMOUNT/FAB/RR ISPAT
41	LIGHTING CONTROLLER	DYNALITTE / ATCO/ANCHOR/LEGRAND
42	CEILING FAN / EXHAUST FAN	CROMPTON, HAVELLS / ORIENT AS PER MODEL SPECIFIED IN BOQ
43	CCTV-INDOOR DOME CAMERA	Axis – M3304/3014 OR M3006-V / BOSCH- NUC-51022-F2 / Sony – SNC DH 110 or SNC-DH210T / Honeywell - H2D2PR1/Hick vision/PANASONIC
44	CCTV-INDOOR BULLET CAMERA	Axis – M1104/3014 /Sony – SNC CH110/ Honeywell - HBDPR1/Hick vision/ PANASONIC
45	CCTV-IR PARKING CAMERA	AXIS/ SONY/ HONEY WELL AS PER MODEL SPECIFIED IN BOQ / HICKVISION/ PANASONIC
46	SERVER FOR CCTV SYSTEM	IBM/HP/DELL / HICKVISION
47	CENTRALIZE STORAGE	IBM/EMC2 /AMERICAN MEGATRENDS
48	LED MONITOR	LG/SAMSUNG/Dell
49	PORT SWITCH ,PANEL,PATCH CORDS	TYCO/Systimax/Schneider - Digilink/ Legrand
50	PA SYSTEM	BOSCH/VARIODYN/ATEIS
51	AMPLIFIER	BOSCH/VARIODYN/ATEIS
52	EPABX	Cisco BE 6K/ Unify(Siemens)-OpenScape 4000 / Avaya - IP Office)/ MATRIX / PANASONIC
53	LAN SWITCH/POE AND NON POE SWITCH	Cisco/ HP /Alcatel-lucent
54	SENSORS	MK /CRESTON / LUTRON/ LEGRAND
55	IP JUNCTION BOX	HENSEL / LEGRAND / OBO / RITTAL
56	FIBER OPTIC PATCH CABLE AND PANEL	TYCO/Systimax/Schneider - Digilink/ Legrand
57	CAT-6/RJ-45/ CAT-6 JACK PANEL	TYCO/Systimax/Schneider - Digilink/ Legrand
58	LIGHTNING PROTECTION	MAP WORLD WIDE/ STERLING ENTERPRISE / VASUDHA GE
59	SOLAR SYSTEM	TATA POWER/ BHEL/ CEIL/Zytech
60	WATER COOLER & RO System	VOLTAS / USHA / BLUESTAR/Eureca Fobes
61	SPORTS LED	Cree/lumileds/nichia/osram
62	Flood light luminaires and control gear boxes	Bajaj/Philips/GE/Lighting Technology
63	Servo Controlled Automatic Voltage Stabilizer	Protek-G , Stepon Powermac(India)Pvt Ltd,suvik

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64	DWC pipe	Rex, Duraguard, Alom, Gemini
65	EARTHING SYSTEM	MAP WORLD WIDE / OBO/ BALARK
66	DG SET	CUMMINS (SUDHIR) / STERLING & WILSON - PERKINS/ SUPERNOVA - PERKINS /
67	DG SET AMF PANEL	AS PER THE DG SET SUPPLIER. (SWITCHGEAR AS PER MAKE LIST.)
68	Concealed LED Light	Phillips, Havells, Crompton, Bajaj
<u>Special Note:-</u>		
1	Client have right to check the challans of supplier.	
2	For Light Fixture Agency have to do mock up of listed approved make and client will authorized to finalizes make and Model of Light Fixture.	
3	The MCB and MCB DB s must be of same make.	
4	Approve all the make of material from Client before execution.	
5	The Client reserves the right to select the manufacture or approved make from the above list. No change to be permitted in this make during execution contract.	
6	Any make not mentioned in the above lists must be approved from Client before execution.	
7	All the material should be ISI and as per standards mentioned in specifications and BOQ.	
8	In case of shortage of material or un-time delivery or change in model prior approval from client	

Note: No deviation from the approved list of makes shall be permitted. In case, certain items of equivalent is mentioned or even not mentioned company, the same shall be got approved from officers on special duty (O.S.D) SAG PIU.

### **FIRE FIGHTING- MAKE LIST**

Sr.No.	Item Description	Make
1	AIR RELEASE VALVE	NEWAGE / SWATI / SBJ
2	NI-CD BATTERIES	EXIDE / AMCO / AMAR RAJA
3	BUTTERFLY VALVES, SLUICE VALVES AND NON RETURN VALVE	LEADER / SANT / ZOLOTO
4	BRANCH PIPE & COUPLING	NEWAGE / SWATI / SBJ
5	CENTRIFUGAL PUMPS / END SUCTION PUMP / MULTI STAGE PUMP / VERTICAL TURBINE PUMP	WILO /GRUNDFOS / XYLEM
6	COATING WRAPPING MATERIAL AND PRIMER FOR UNDERGROUND PIPE	IWL / STP / TIKIDAN/
7	DIESEL ENGINE	GREAVES / KOEL / CATERPILLAR
8	FIRE BRIGADE INLET CONNECTION	NEWAGE / MINIMAX / SUKAN / SBJ
9	FIRE EXTINGUISHER	MINIMAX /CEASE FIRE / SAFEX
10	FLOW SWITCH	HONEYWELL / SWITZER / ABB / SIEMENS
11	GLOBE VALVE / BALL VALVE	LEADER / BDK / ADVANCE / SANT / ZOLOTO
12	HYDRANT VALVE	NEWAGE / SWATI / SBJ
13	HOSE PIPE	NEWAGE / SWATI / SBJ
14	HOSE REEL	NEWAGE / SWATI / SBJ
15	HOSE BOX	NEWAGE / SWATI / SBJ
16	G.I. PIPES	TATA / ASIAN / SURYA
17	MOTOR	ABB / CGL / SIEMENS / BHEL / BBL / KIRLOSKER/LUBI
18	PRESSURE GAUGE	H.GURU / GENERAL INSTRUMENT / WARREE
19	PRESSURE SWITCH	HONEYWELL / INDFOSS / SWITZER / SYSTEM SENSOR/DANFFOSS
20	POWER & CONTROL CABLE	POLYCAB / HAVELL'S / TORRENT / KEL / GOVIND CABLES /
21	PANELS	COTMAC / AKHAR / PYROTECH / CPRI APPROVED
22	STRAINER	JAYPEE / GUJARAT OUTFIT / SANT / ZOLOTO
23	SPRINKLER & FLEXIBLE HOSE	NEWAGE / HD / VIKING / TYCO
24	SIGNAGES	PROLITE / MRLITE
25	FIRE ALARM VALVE	NEWAGE / HD / VIKING / TYCO
26	PAINT AND PRIMER	ASIAN / BURGER / NEROLAC / SHALIMAR
27	PRESSURE REDUCING VALVE	VARIE / WATTS / HONEYWELL / DARLING MASCO / VIKING
28	PIPE FITTINGS	TOPAZ / FITECH / PIPE FIT / TUBE PRODUCT
29	BATTERY CHARGER	SERVELINK / HITACHI HIREL (DC UPJ) / EMERSON (DCUPJ)
30	LEVEL SWITCH / LEVEL/TRANSMITTER	VEGA / EMERSON / ENARF / LEVCON / PUNE CONTROL
31	WELDING CONSUMABLES	ESAB / D &H / HENAVAR / MANGLAM
32	RUBBER BELLOW	SHAKTI RUBBER / MERCIA / AADESH
33	FIRE ALARM SYSTEM ( PANEL, HOOTER, MCP, HEAT DETECTOR)	BOSCH / NOTIFIER / MORLEY / SIEMENS /ATEIS / SCHRACK / L&T
34	ARMORED OR UNARMORED FRLS CABLES	FINOLEX / RRKABLE / KEI / HAVELLS / AVOCAB
35	CABLE GLANDS	COMMET / BRACO / HMI

Note: No deviation from the approved list of makes shall be permitted. In case, certain items of equivalent is mentioned or even not mentioned company, the same shall be got approved from officers on special duty (O.S.D) SAG PIU.

36	LUGS / BIMETALLIC LUGSTINNED COPPER	DOWELL'S / HMI / COMET
37	PVC CONDUITS	PRECISION / NIHIR/ POLYCAB/ASTRAL/BBC
38	ANY OTHER ITEM	SAMPLE FOR APPROVAL OF ENGINEER-IN- CHARGE / CONSULTANTS
39	EARTHING SYSTEM	MAP WORLD WIDE / STERLING ENTERPRISE / OBO BETTERMANN /ASHLOK
40	RCC PIPE	INDIAN HUME PIPE/ ALCOCK
41	RCC CHAMBER COVER	BHARAT/PRATIBHA/ALCOCK/HIMALAYA
42	ANCHOR FASTNER	HILTI/FISHER
43	FRP CABLE TRAY / G.I CABLE TRAY	POLYCAB / INDIANA / OBO / LEGRAND
44	METERS (DIGITAL)	CONZERVO / SCHNEIDER / SECURE / L & T
45	LOAD MANAGER/MFM	ENERCON / CONZERVO / SCHNEIDER / L & T
46	PROTECTION RELAYS- EARTH FAULT	SIEMENS L & T / SCHNEIDER / ABB / ALSTOM/CSPC
47	INDICATING LAMP	SIEMENS / SCHNEIDER ELECTRIC / L & T - ESBE / TEKNIC - KEYCEE
48	PUSH BUTTON AND PUSH BUTTON SET	SCHNEIDER ELECTRIC / L & T / BINAY / RAAS CONTROL
49	CABLE GLAND	JAINSON / COMET / POLYCAB
50	CONNECTORS ( COLOURS AS PER PHASE & NEUTRAL )	SALZER / ELEMEX
51	CASING CAPING	PRECISION / NIHIR / POLYCAB/ASTRAL
52	PVC TAPE	STEEL GRIP

#### Notes

- The list provided approved make. However, technical specification of each item to be procured required client's approval.
- It is mandatory to get client approval for supply of any material other than approved make
- Client reserves rights to change / modify the approved vendor at any point during the project and contractor to abide the same.

Note: No deviation from the approved list of makes shall be permitted. In case, certain items of equivalent is mentioned or even not mentioned company, the same shall be got approved from officers on special duty (O.S.D) SAG PIU.

### HVAC- MAKE LIST

<u>Sr. No.</u>	<u>Component</u>	<u>Approved Make</u>
1	Variable Refrigerant System	Mitsubishi Electric / Mitsubishi Heavy / / Daikin / Hitachi / Carrier.
2	Copper Tubes / Refrigerant piping of make	Mandev/Maxflow / Hariom.
3	Anchors Fastener	Hilti /Fischer / Bosch
4	Flexible Connections-fire retardant.	Dunlop / Resistoflex / Easyflex
5	Air Terminals	Air Products / Cary air / Dyna craft / Cosmos / System air / Trox.
6	Closed / Open Cell Elastomeric Rubber insulation	Armacell - Armaflex / ALP Aeroflex / K-Flex / Hira
7	Factory fabricated Ducting	Zeco / Ecoduct / Maruti / Skai Duc / Rola star.
8	G.I. Sheets	Tata / Essar / Jindal
9	Exhaust Air Units (Single Skin)	Kruger / Citizen /ZECO / Caryaire / Nicotra / Edgetech
10	Ventilation Fans. Low noise	Kruger / Nicotra / Air Flow / Green heck
11	PVC Pipe	Astral / Supreme / Ashirvad / Prince.
12	AHU	Citizen / Zeco / Air Flow / Green heck / Edgetech
13	Vibration Isolator	Resistoflex / Dunlop / Kanval
14	Smoke / Fire Damper-UL listed / Motorized combined smoke & fire damper	Air Products / Cary Air / System air / Cosmos.
15	Duct Damper / Volume Control Dampers	Air Products / Systemair / Fairflow / Cosmos
16	Anchor Fastener	Hilti /Fischer / Bosch
17	Panel	Active / Shiv Shakti / Patel Brother / Swati switch gear or any CPRI Approved.
18	Adhesive	Pidilite / Armacell / Any other ISI approved
19	UV Lamp / AOP Cell.	Ultra pure / VS Enviro / E flow.
20	Power Cables	Finolex / Havells / Polycab / RR Cable / KEI / ADCAB

Note: No deviation from the approved list of makes shall be permitted. In case, certain items of equivalent is mentioned or even not mentioned company, the same shall be got approved from officers on special duty (O.S.D) SAG PIU.

21	Control Cables	Finolex / Havells / Polycab / RR Cable / KEI / ADCAB
22	VFD	ABB/ Danfos / Schnider / Siemens.
23	Filter	AAF / Freudenberg / Mechmark.
24	DX TYPE AIR HANDLING UNITS WITH PANEL & CABLING Make : E	dgetech, Zeco, Nutech, VTS TF Air systems.
25	AIR COOLED CONDENSING UNITS Make	Carrier / Blue Star / Midea / Hitachi.
26	Isolator switch of IP-55 construction	L&T / Seimens
27	Insulated flexible duct with Jubilee clips & aluminum foil tapes	Super flex / Seven Star / Karthila
28	DUCT THERMAL INSULATION	Armacell / K flex.
29	Thermal Insulation	Armacell / K flex.

**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: No deviation from the approved list of makes shall be permitted. In case, certain items of equivalent is mentioned or even not mentioned company, the same shall be got approved from officers on special duty (O.S.D) SAG PIU.