

## **Chapter 15**

### **LIST OF APPROVED MAKES FOR CIVIL, PLUMBING, ELECTRICAL, HVAC AND FIRE FIGHTING WORKS**

**LIST OF APPROVED MAKES FOR CIVIL WORKS**

<b>Sr. No</b>	<b>Details of Materials / Equipment</b>	<b>Approved Make</b>
1	Cement (OPC-(43 & 53G) & PPC)	a) Ultra tech b) Zuari c) Chettinad d) India Cements
2	Ready Mix Concrete (RMC)	a) Ultratech b) Lafarge or As approved by Construction Manager
3	TMT Tor Steel	a) TATA b) SAIL c) TISCO d) RINL e) VIZAG f) JSW
4	Structural Steel	a) TATA b) SAIL c) VIZAG
5	Rolled Steel Sections	a) TATA b) SAIL c) VIZAG
6	Aluminium Sections	a) Jindal b) Indal c) Hindalco
7	Ceramic Tiles (Wall & Floor Tiles)	a) Johnson b) Nitco c) Kajaria d) Orient e) Somany
8	Industrial Tiles (Floor & Wall Tiles)	a) Johnson Endura, b) Somany VC series tiles or Equivalent Approved
9	Water Proofing Compound, Hardener & Construction chemicals	a) FOSROC b) CICO c) Pidilite d) Sika e) BASF
10	Anti-termite chemical & Wood Preservatives	a) Thiodon b) De-nocil c) Bayer d) Vam Organic e) NOCIL f) Hindustan Insecticides g) Roffe Construction Chemicals

<b>Sr. No</b>	<b>Details of Materials / Equipment</b>	<b>Approved Make</b>
11	Float Glass & Mirror	a) Saint Gobain b) Asahi India c) Modi Glass
12	Glass Film	a) 3M b) Llumar
13	Wall Putty	a) Birla white b) JK White
14	Paints (OBD, Emulsion paints, Synthetic enamel Paints)	a) ICI b) Asian Paints c) Berger d) Nerolac
15	Water Proof Cement Paints	a) Snowcem India Ltd. b) ICI c) Asian Paints
16	Red Oxide & Pink Primers	a) ICI b) Asian c) Berger d) Nerolac
17	PVC Water Stop Bars	a) Fixopan b) Syntex c) BASF d) FOSROC
18	Precast Cement Concrete Pavers & Tiles	a) Nitco b) Ultra c) Johnson d) Dura crete e) Basant Beton f) Astana
19	Texture Paint (Internal & External)	a) Oikos b) Spectrum c) Asian d) Berger e) ICI

<b>Sr. No</b>	<b>Details of Materials / Equipment</b>	<b>Approved Make</b>
20	Laminates	a) Greenlam b) Century ply c) Merinolam d) Ventura
21	Plywood & Board (Waterproof)	a) Duro b) Green ply c) Century ply d) Merinolam
22	MDF (Exterior Grade)	a) Duro b) Green ply c) Century ply
23	Natural wood Veneer	a) Greenlam b) Century ply c) Archidply d) Ventura
24	Flush door	a) Kitply 'swastik' b) Duro 'Tower' c) Archid d) Green ply
25	Hardware	a) Dorma b) Geze c) Ozone
26	Aluminum hardware	a) Ipsa or Approved equivalent
27	Fire Doors	a) Sukri b) Aadhunic c) Promat d) Shaktimet
28	Fire door Accessories	a) Briton b) Astroflame c) Geze
29	Fasteners	a) Hilti b) Fischer
30	Gypsum Board	a) India Gypsum b) Saint Gobain c) USG d) Lafarge

<b>Sr. No</b>	<b>Details of Materials / Equipment</b>	<b>Approved Make</b>
31	Self taping screws	a) Hilti b) Landmark
32	Welding Rod	a) ESSAB Ferro Speed plus b) D&H Norma
33	Tarfelt	a) MAK b) Bengal Bitumen c) Rishub Petrochemical
34	Adhesive	a) Fevicol SH b) Vamicol c) Araldite of Hindustan d) Laticrete
35	PU Paint	a) MRF (Aqua fresh) or approved equivalent
36	GRC Panels	a) Unistone b) Terra Firma

**LIST OF APPROVED MAKES FOR PLUMBING FIXTURES**

<b>Sl.No.</b>	<b>Item Description</b>	<b>Approved Make</b>
1	Vitreous China Sanitary ware	Hindware/Parryware/Kohler
2	Stainless Steel Sink	Hindware/Parryware/Diamond /Nirali
3	Auto Urinal Flush System	Hindware/Parryware/Kohler
4	Hand Drier	Askon/Euronics/Jaquar/Kohler
5	Cistern	Hindware/Parryware/Kohler
6	Flow Control Devices	Hindware/Parryware/Cera
7	Geyser	Jaquar/Racold/Venus
8	Floor Drain Fixture, Rain Water Outlets & Channel Gratings	ACO/Neer
9	C.P. Grating for Floor Trap	Lipka/Chilly
10	D.I. Manhole Covers & Frames	Neco/Crescent
11	GI / M.S Pipes (IS : 1239 and IS : 3589)	Jindal/Tata Steel
12	GI pipes fittings	Tata/Jindal
13	Pipe clamp & supports	Chilly/Euroclamp/Hitech
14	D. I. Pipes	Electro Steel/Jindal
15	Copper Pipes & Fitting	Flowflex/Rajco/Max flow
16	UPVC Pipe	Astral /Prince /Supreme / Ashirvad
17	CPVC pipes	Astral /Ajay/Ashirvad
18	PVC pipes	Astral /Ajay/Ashirvad
19	RCC Pipe	Local & Approved
20	Stoneware Pipes, Gully Traps	Jabalpur/Rajura
21	SS Pipes	Remi/Viega
22	Butterfly Valve	Audco /Danfoss/Honeywell
23	Check Valve – WaferType	Advance/Danfoss/Kirloskar
24	Pressure Reducing Valve	Honeywell /RB/Leader
25	Solenoid Valve	Avcon/Danfoss
26	Air Release Valve	RB / Anergy / TIMME
27	Ball Float Valve	Zoloto/Lehry
28	NRV – Ball type	Normex/Rumax
29	Y Strainer	Emerald /Zoloto
30	Hydro pneumatic System	Dharani/ITT /KSB
31	Storm Water Drainage Sump Pumps(Submersible)	Dharani/KSB/ITT
32	Sewage Handling Pumps	Dharani/KSB/ITT
33	Transfer Pumps	Dharani/ITT /KSB
34	Self-Priming Pumps	Dharani/Johnson/Kirloskar
35	Drinking Water Cooler	Blue Star/Usha/Voltas

Sl.No.	Item Description	Approved Make
36	Borewell Pump	Dharani/Grundfos/KSB
37	Pressure Gauge	Emerald /H Guru
38	Water Meter (Mechanical Type)	Actaris/Capstan/Kaycee/Kranti
39	Electronic Flow Meter	Krohne (Forbes Marshall)/Rockwin
40	Level Controller & Indicator (Water)	Auto Pump/Cirrus Engineering/Technika /Techtrol
41	MH / Water Tank Plastic Steps	KGM/Patel/Pranali Industries
42	Welding Rods	ADOR/Cosmos/Esab/Super Bond (S)
43	Fastner	Fisher/Hilti
44	Fire Sealant	Hilti /Promat

#### LIST OF APPROVED MAKES FOR ELECTRICAL WORKS

Sl.No.	Item Description	Approved Make
1	HT VCB PANEL	UNIVERSAL SWITCH GEAR/MEGAWIN/SYSTEM CONTROL
2	VCB	SIEMENS/ABB/SCHNEIDER/ALSTOM
3	TRANSFORMER	VOLTAMP / UNIVERSAL / KIRLOSKAR
4	HT CABLE	UNIVERSAL / POLYCAB / ORBIT/ GLOSTER
5	HT END TERMINATION KIT	RAYCHEM / BRILA 3M
6	DG SET	KIRLOSKAR / CUMMINS/ CATERPILLER
7	ACB/MCCB	SIEMENS / ABB / L&T / SCHNEIDER
8	RATED SERVICE VOLTAGE : 690V SFU	SIEMENS / ABB / L&T / SCHNEIDER
9	STARTERS & CONTACTORS	SIEMENS / ABB / L&T / SCHNEIDER
10	MCB DBs	HAGER / LEGRAND / SIEMENS / ABB
11	ELMCB s/ MCBs	HAGER / LEGRAND / SIEMENS / ABB
12	WEATHER PROOF JUNCTION BOX / MCB CONTROL	MENNEKES / HENSEL / LEGRAND
13	POWER PLUG AND SOCKET	M K / LEGRAND / WIPRO /ANCHOR
14	AUTO TRANSFER SWITCH	HAVELLS / ABB / EMERSON
15	UPS	ABB / DELTA / NUMERIC / EMERSON
16	INVERTER /STABILIZER	ABB / AURO POWER / SOCOMEC
17	LIGHT FIXTURE	BAJAJ / K-LITE / WIPRO / LIGHTING TECHNOLOGIES INDIA PVT LTD

Sl.No.	Item Description	Approved Make
19	LT CABLE TERMINATIONS	JAINSONS / DOWELLS / COMET
20	DOUBLE COMPRESSION TYPE GLAND	DOWELL/ COMET
21	PVC INSULATED COPPER CONDUCTOR WIRES	FINOLEX / RR KABEL / POLYCAB
22	HEAVY DUTY FRLS PVC CONDUITS	ESSORKE / AVONPLAST /PRECISION
23	MS CONDUIT& ACCESORY	WIMMCO / BEC / GUPTA / SUPREME
24	MODULAR SWITCHES/ SOCKETS & PLUGS	M K / LEGRAND / WIPRO /ANCHOR
25	FIRE EXTINGUISHER	CEASE FIRE / MINIMAX / USHA
26	GI CABLE TRAY	PROFAB / HITECH / RM CON
27	MS TRAY / ANGLES	ANY ISI MARKED BRAND
28	CAPACITORS	EPCOS / ASIAN / L&T
29	ENERGY METER / METER	SIEMENS / ELMEASURE /CONZERV/RISHABH / L&T
30	LIGHTNING PROTECTION	STAR LIGHTNING RODS / OBO /ABB
31	DATA/TELEPHONE SOCKETS	AMP/MOLEX/LEGRAND
32	DATA/TELEPHONE CABLES	AMP/MOLEX/POLYCAB
33	100/30/20 PAIR KRONE J.B	KRONE
34	ZINC PASSIVATED META BOX	MK / D LINK/SIEMENS/LEGRAND
35	CAT 6 CABLE	DLINK / AMP / SYSTIMAX
36	TELEPHONE	BEETEL / BITEL / PANASONIC / SIEMENS
37	NETWORK SWITCHES	DLINK / NETGEAR / CISCO
38	NETRACK	MASSRACKS / NETRACKS / HCL
39	EPBAX	PANASONIC/SIEMENS/MATRIX /AVAYA
40	CCTV CAMERA	DAHUA/PANASONIC/UNIVIEW
41	ACCESS CONTROL	HONEYWELL/SMARTI/SPECTRA
42	PUBLIC ADDRESS SYSTEM	RAVEL / BOSCH / AHUJA
43	LT PANEL MANUFACTURER	LOTUS POWER GEAR PVT LTD / POWER CONTROL EQUIPMENTS / TESLA CONTROLS (INDIA) PVT LTD / VOLTECH MANUFACTURING CO. LTD / OHM ENERGY MANAGEMENT SYSTEM PVT. LTD / FORMOPLASTIC CONTROLS P LTD/ RITTAL INDIA PVT. LTD
44	CT	AE / KAPPA / C&S
45	PT	AE / KAPPA / C&S
46	AMMETER AND VOLTMETER	L&T / AE / C&S
47	PROTECTIVE RELAYS	L&T / ALSTOM / ABB / SIEMENS
48	TIMER	L&T / SIEMENS / ABB
49	CAT 6E UTP CABLE	D LINK / FINOLEX / AMP
50	PORT SWITCH	NETGEAR / DIGILINK



**LIST OF APPROVED MAKES FOR HVAC WORKS**

<b>Sl.No.</b>	<b>Item Description</b>	<b>Approved Make</b>
1	Variable Refrigerant Volume System	Daikin/Mitsubishi/Toshiba/ Hitachi/ Bluestar
2	Dx Machines	Daikin/Mitsubishi/Toshiba/ Hitachi/ Bluestar
3	Axial Fans/ Circular Fans / Wall Mounted Axial Fans	Systemaire / Flakt / Greenheck/ Ostberg / Carryaire
4	Variable Frequency Drive	Danfoss/ABB/Siemens
5	GI sheet	Jindal/Tata/Sail
6	Insulated Flexible ducts	Sree venus /Carryaire
7	Volume control dampers	Carryaire/Air control industries/ Air master
8	Duct sealant	Faster
11	Fire stop sealants	Hilti / Dafulite
12	Duct Acoustic	Armaflex / Kflex / Eurobatex / Armacell
13	Thermal Insulations	Armaflex / Kflex / Eurobatex / Armacell
14	CO sensor	Greystone / Honeywell / Johnson control
15	Air terminal devices(Grilles/Louvres/Diffusers)	Airmaster/Air control industries / Carryaire / Ravistar / Systemair
16	Electric cables	Polycab/Universal
17	MCBs/MCCBs	LT/Schneider/Siemens/ABB
18	Cable Tray	Profab/Hitech
19	Cable glands	Comet/Standard metal
20	Duct fabrication	Sree venus/Rolaster/Zeco/Camduct
21	Copper pipes	Mandhev / Rajco / Mehta tubes

**LIST OF APPROVED MAKES FOR FIRE ALARM WORK**

<b>Sl.No.</b>	<b>Item Description</b>	<b>Approved Make</b>
1	Fire Alarm System ( Panels, Detectors, etc.,)	Ravel / Honeywell / Simplex / Johnson Control
2	Control cables	Polycab / Universal
3	Cable Tray	Profab / Hitech
4	PVC Conduits	Precision/ Avonplast/ Appolo
5	MS Conduit/ Accessories	Wimmco/BEC / Gupta / Supreme

**LIST OF APPROVED MAKES FOR FIRE PROTECTON WORK**

<b>Sl.No.</b>	<b>Item Description</b>	<b>Approved Make</b>
1	Pumps	Grundfos / KSB / ITT / Mather & Platt
2	Motors	ABB / Siemens / Crompton Greeves
3	MS Pipes	Jindal / Tata
4	Butterfly valves / Check Valve / NRV	Honeywell / BDK / L&T
5	Ball valve (Screwed end)	RB / itap / Honeywell
6	Pressure Gauge	H.Guru / Mahaveer
7	Pressure Switch	Indfoss / Switzer / Danfoss
8	Hydrant Valve, Branch Pipe	NewAge / Winco / Minimax
9	RRL Hose drum	Kiran / NewAge / Safeguard /Minimax
10	Hose Box	Kiran / NewAge / Safeguard /Minimax
13	Paint	Berger/ICI/ Asian Paints
14	Manhole Covers	NECO / Kaplansh
15	Fire Extinguishers	Minimax / Gunnebo / Ceasefire
16	Pipe Clamps & Supports	Hitech or Equivalent
17	Air Release Valve	Zoloto / ELEMS / Arco
18	Y' Strainer	Emerald/ Zoloto
19	Mechanical Seal	Burgmann / Sealol
20	Anti vibration mounting	Dunlop/Flexionics/Resistoflex
21	Welding Rods	Cosmos /Esab /Super Bond (S)
22	Fasteners	Fisher / Hilti
23	Fire Sealant	Birla /3 M/Hilti /Promat
24	MCCB	Siemens/L&T/Schneider/ ABB
25	Power/Aux. Contactor	Siemens/L&T/Schneider/ ABB
26	Cable glands	Comet / Dowels /Multi
27	Panels	As mentioned in Electrical Make List
28	Starters/Bi metal Relay	Siemens / L&T / ABB
29	Push Button / Indicating Lamps	Siemens / L&T / ABB / Teknic