

APPROVED MAKES OF MATERIALS FOR CIVIL WORKS

The materials of first/standard quality from the following preferred makes are to be used. In case it is established that the brands specified below are not available in market, the Contractor shall submit alternative proposal to Engineer-in-Charge for the approval of NIT approving authority.

Sr. No.	Material Description	Material	
		Brand	Make
1	Ordinary Portland Cement (43 grade)	ACC	ACC cements Ltd
		Ultra Tech	Ultra Tech Cement Ltd.
		Birla	Birla Corporation Ltd
		Dalmia	Dalmia Cement Bharat Ltd
		Jaypee Cement.	Jaypee Cement Ltd
		J.K.Cement	J.K. Cement Pvt. Ltd.
		Ambuja Cement	Ambuja Cements Ltd.
		Century Cement	Birla Gold Cement
		Star Cement	Star Cement Ltd.
		Topcem Cement	Meghalaya Cement Ltd.
2	White Cement	JK Cement	J.K. Cement Pvt. Ltd.
		Birla White	Birla Corporation Ltd
		Lafarge	Aggregate Industries
3	ISI marked TMT reinforcement bars of required grade	SAIL	Steel Authority of India Ltd.
		TISCO	TATA STEEL Ltd
		VIZAG	Rastriya Ispat Nigam Ltd.
		JSW	JSW Steel Ltd
		Jindal Panther	Jindal Steel & Power Ltd.
4	Adhesive	Sika	Sika India Pvt. Ltd
		Fevicol	Pidilite Industries
5	Wooden flush door Shutters	Green Ply	Greenply Industries
		Duro Flush doors	Duro Ply Industries Ltd.
		Century	Century Flush Doors
6	Water Proof Plywood, Commercial ply, Fire retardant ply and block boards	Green Ply	Green ply Industires Ltd.
		Duroply	Duro Ply Industries Ltd.
		Century ply	Century Flush Doors
7	Veneer	Greenlam	Greenlam Industries Ltd
		Duro	Duro Ply Industries Ltd.
		Marino	Marino Laminates
8	Laminate	Green Lam	Green lam Industries Ltd.
		Century	Century laminates
		Merino	Merino laminates
		Sunmica	Sunmica Industries
		Formica	Formica Laminates (India) Pvt Ltd.

9	Hardware	Hafele	Hafele India Pvt. Ltd
		Dorma	Dormakamba
		Hettich	Hettich India Pvt. Ltd.
10	Locks & Latches	Godrej	Godrej locking solutions & systems
		Hafele	Hafele India Pvt. Ltd
		Dorset	Dorset India
		Harrison	Harrison locks
11	UPVC doors, door frames and windows	Fenesta	Fenesta DCM Shriman
		Weatherseal	Asian Paints
		REHAU	Rehau
		Kommerling	Profile India Window Technology Pvt. Ltd.
13	Float Glass	Saint Gobain	Saint Gobain India Pvt.Ltd. ,
		Asahi	Asahi India glass .Ltd.
		Modiquard	Gujarat Guardian Ltd.
14	Reflective Glass	Saint Gobain	Saint Gobain India Pvt .Ltd.
		Asahi	Asahi India glass .Ltd.
		Modifloat	Gujarat Guardian Ltd.
15	Tempered reflective/ clear glass	Saint Gobain	Saint Gobain India Pvt .Ltd.
		Asahi	Asahi India glass Ltd,
		Modiquard	Gujarat Guardian Ltd.
16	Vitrified tiles	NITCO	NITCO Ltd
		RAK	RAK Ceramic India Pvt Ltd.
		Kajaria	Kajaria Ceramic Ltd
		Somany	Somany Ceramic Ltd
		JOHNSON	Prism Johnson Ltd
		Orient bell	Orient bell limited
17	Glazed Ceramic tiles	NITCO	NITCO Ltd
		RAK	RAK Ceramic India Pvt Ltd.
		Kajaria	Kajaria Ceramic Ltd
		Somany	Somany Ceramic Ltd
		JOHNSON	Prism Johnson Ltd
		Orient bell	Orient bell limited
18	False ceilings	Aerolite	Andhra Polymers Pvt. Ltd./Aerolite Industries Pvt. Ltd.
		Armstrong	Armstrong World Industries
		Saint Gobain Gyproc	Saint Gobain Gyproc India
		HunterDouglas	HunterDouglas
19	False Ceiling Members (Perimeter, Ceiling section, intermediates, angles etc.)	Armstrong	Armstrong World Industries
		Aerolite	Andhra Polymers Pvt. Ltd./Aerolite Industries Pvt. Ltd.
		Saint Gobain	Saint Gobain Gyproc
		HunterDouglas	HunterDouglas

20	Synthetic enamel paint	Premium gloss enamel	Asian paint Ltd
		Dulux	ICI dulux Ltd
		Nerolac	Nerolac Paints Ltd
		Berger	Berger Paints
21	Pink Primer	Wood primer	Asian paint
		Nerolac	NerolackKansiaNerolac Paints Ltd.,
22	Red Oxide Zinc Chromate Primer	High performance yellow metal primer	Asian paint
		Dulux	ICI dulux
		Nerolac	Nerolac
23	Acrylic emulsion	Premium emulsion	Asian paint
		Dulux (Super Cover)	ICI Dulux
		Nerolac (Beauty Gold)	Nerolac
		J & N Paints	Jenson & Nicholson Pvt. Ltd.
24	Premium Acrylic smooth exterior paint with silicon additives	ULTIMA APEX	Asian paint
		Dulux	ICI dulux
		Nerolac Excel Top guard	Nerolac
		WEATHER COAT ANTIDUST	Berger
25	Cement based wall putty	J.K.wall putty	J K. Cement Ltd.
		Birla white level plast putty	Birla Cements Ltd.,
		Truecare wall putty,	Asian Paints
26	Melamine Polish	Asian paints	Asian paints
		Wembley	Wembley paints and chemicals
		Dulux	ICI dulux
27	Fire retardant paint	Hilti	Hilti India
		Asian Paints	Asian Paints
28	Mirror	Modi Guard	Gujarat Guardian Ltd.
		Saint Gobain	Saint Gobain Glass India Ltd.,
		AIS mirror	Asahi India glass Ltd,
29	Water Proofing compound	Dr. Fixit	PidiliteIndustires
		Fosroc	Fosroc India
		Sika	Sika India
30	Membrane Water proofing system	Dr. Fixit	PidiliteIndustires
		Fosroc	Fosroc India
		Technicol	Technicol India Pvt Ltd
31	Chemical Water Proofing system	Sika	Sika India
		Dr. Fixit	PidiliteIndustires
		Fosroc	Fosroc India
		Technicol	Technicol India Pvt Ltd

32	External Finish Texture paint	Asian Paints,	Asian paints
		ICI Dulux	ICI dulux
		Berger	Berger Paints
33	Fire Curtain	Coopers	Coopers
		Navair	Navair International
		Orient	Orient Fire Curtains India Pvt. Ltd.
34	Fire Door	Navair,	Navair International
		Hormann,	Shakti Hormann
		Stairway Studio	Stairway Studio
35	Tile Adhesives, Epoxy Grout, Polysulphide Sealant, Silicone spray	Roff	Pidilite
		Pidilite	Pidilite
		Supercem	Supercem
		Fosroc	Fosroc
		BASF	BASF
		Sika	Sika India
36	Dash fasteners	Hilti	Hilti India
		Fischer	Fischer India
37	Expansion Joint	Migua,	Migua
		Vexcolt,	Vexcolt
		CS (Construction Specialties)	CS (Construction Specialties)
38	Multi-cell connectible modular polycarbonate panel	Coxwell	Coxwell India
		Palram	Palram India
		Gallina	Gallina India
		PDM Extrusions	PDM Extrusions Private Limited
39	Roller Bliends	Vista	Vista Furnishing Ltd.
		Hunter Douglas	Hunter Douglas India
		Mac	Mac
40	Aluminium False ceiling/ Baffle Ceiling System	Durlum	Durlum India Pvt Ltd
		Dynamix	Dynamix India Building Products
		Armstrong	Armstrong World Industries
		SAS	SAS International
41	Corian (composed of acrylic polymer and alumina trihydrate material)	DuPont Corian	DuPont Corian
		LX Hausys	LX Hausys
		Hanex	Hyundai L & C
		Staron	Lotte Chemical
42	SELF SUPPORTED" SECRET FIX STANDING ROOFING SYSTEM	Kalzip	Kalzip India
		Kingspan	Jindal
		Lysaght Flexlok	Tata BlueScope Steel
		Safzip	Safintra Roofing India
43	Aluminium profile	Jindal	Jindal Aluminium Limited
		Hindalco	Hindalco Industries
		Tostem	Tostem India
		Century	Century Extrusions Limited
44	Stainles Steel	Tata	Tata Steel Limited
		Jindal	Jindal Stainless Limited
		JSW	JSW Steel Limited
		SAIL	Steel Authority of India Limited

Note:

1. Before procurement and supplying materials at site, the Contractor shall get approval of the brand as well as sample, from the Engineer-in-Charge. When two or more brands have been mentioned above, the brand to be finally used shall be as decided by the Engineer-in-Charge. Nothing extra shall be paid to the Contractor on this account.
2. All other items shall be of ISI mark/ as per approved sample/s kept at site of work.
3. In case, make of any material is not mentioned in this list, the same shall be got approved from the Engineer-in-Charge.

LIST OF APPROVED MAKES FOR PLUMBING WORKS

- 1 All materials and equipment used in execution of work shall be of approved makes listed below. Any make offered by Tendered other than the approved makes will be subject to the approval of Engineer-in-charge/ Architect. If other makes are offered, the same shall be clearly indicated in tender.

SI No	Item / Material	Make
1	Sanitary ware & CP Fittings	Hindware / Jaquar/ Parryware/ Bathsense
2	CP Fittings	Hindware / Jaquar/ Parryware/ Bathsense
3	SS Sink	Jayna / Nirala/ Hindware/ Nilkanth
4	Geyser	AO Smith/ Jaquar/ Venus
5	Drinking Water cooler	Bluestar/ Usha/ Voltas
6	WC Pan Connector	Mcalpine/ Supreme/ Astral/ Finolex
7	Butterfly Valve	Zoloto/ Sant/ Lehry
8	Check Valve	Zoloto/ Sant/ Lehry
9	Ball Valves	Zoloto/ Sant/ Lehry
10	Pressure Reducing Valves	Zoloto/ Sant/ Lehry
11	Water Meter	Kranti / Kent/ Lehry
12	uPVC Pipes & Fittings	Birla Aercon/ Ashirwad/ Astral
13	CPVC Pipes & Fittings	Birla Aercon / Ashirwad/ Astral
14	Stainless Steel Grating	Jayna/ Neer / Chilly
15	uPVC SWR Pipes	Birla Aercon / Ashirwad/ Astral
16	CI Pipes	Neco/ Hepco/ SKF
17	Channel Grating	Jayna/ Neer / Chilly
18	uPVC Floor Trap	Birla Aercon / Ashirwad/ Astral
19	uPVC Floor Drain	Birla Aercon / Ashirwad/ Astral
20	uPVC Multi Trap	Birla Aercon / Ashirwad/ Astral

21	PP Pipe	Astral/ Poloplast/ Wavin
22	Air Release Valve	Sant / Zoloto/ Lehry
23	SW Gully Trap	Anand
24	SS Pipe	Jindal/ VSH/ Tata
25	GI Pipes as per IS:1239	Surya Prakash/ Jindal hissar/ Tata/ APL Apollo
26	GI Fittings (Malleable Cast Iron) as per IS:1879	Zoloto / Sant/ Surya Prakaksh
27	Cables	Polycab/ Sky tone / Finolex
28	RCC Pipes	Om spun Pipes/ Indian Hume Pipe/ Jain Spun pipes/ Shri Balaji Spun Pipe
29	HDPE DWC Pipe	Astral/ Prince/ Supreme
30	S.F.R.C. Manhole covers	Om Spun pipe/ KK Manhole / BRHC
31	CI Manhole covers	NECO / KK / Bengal Iron Corporation
32	Ductile Iron pipe	Jai Balaji/ Jindal Saw Ltd/ Electro steel/ Tata
33	DI Fittings	Electro steel/ Kejriwal/ Jai Balaji (Supra)
34	PVC encapsulated Foot rest	KK Manhole / KGM / Bentex
35	Hydropneumatic Pumps	Xylem / Lubi / Ground foss
36	Heat Pump	AO Smith/ Jaquar/ Havells
37	Solar Panel	Bipsun/ Green tek/ Inter solar
38	Filter & Softener	MSEP
39	Chemical Dosing Pumps/Tanks	Toshcon/ ASIA LMI/Edose
40	Level Controller / Lvel Sensor	AIP /Danfoss / Flow line
41	Pressure Gauge	H Guru/ Fiebig/ Emerald
42	Strainer	Sant / Zoloto/ Lehry
43	Pressure Switch	L&T/ Johnson/ Honeywell
44	Fire Sealant/ Fire Reterdant paint	3M/ Hilti/ Powers

45	Pipe Support & Clamps	Chilly/ Euroclamp/ Easyflex
46	Pipe Hangers	Gripple/ Hitech/ Om Fasteners
47	Welding rods & Electrodes	Ador/ Cosmos/ Prima (S)
48	Fastener	Fisher/ Hilti/ Mungo
49	Vibration Eliminator	Resistoflox, Noida/ Dwren - Calcutta
50	a) Starter	L & T/ Siemens
	b) SFUs	L & T/ Siemens
	c) Cables	Finolex/ Bonton
	d) Liquid Level Controller	Femack/Minitec
	e) MCCB	ABB (Imported)/ Merlin Gerin (French Series)/Mitsubishi
	f) MCB	Legrand (Imported)/ Merlin Gerin (France)/ Hager (Imported)
	g) Panel	Tricolite Industries/ Installation control panel /risha Control

LIST OF APPROVED MAKES OF MATERIALS FOR FIREFIGHTING WORKS

S.No	Materials	Brand
1(a)	MS Pipes	Surya Prakash, Jindal Hissar, Tata
1(b)	MS Pipes	Surya Prakash, Jindal Hissar, Tata
2(a)	Forged Steel Fittings	JSI / VS FORGE
(b)	Butt Welded Fittings	JSI / VS FORGE
3.	Gunmetal Ball Valves	ZOOTO/ SANT/ LEHRY
4.	C.I. Double flanged sluice Valves & check valves	ZOOTO/ SANT/ LEHRY
5.	Slim Seal Butterfly Valve	ZOOTO/ SANT/ LEHRY
6.	Dual/Disk type Non Return Valves	ZOOTO/ SANT/ LEHRY
7.	Fire Hydrant Valves, Branch pipe & Fire man Axe.	KALPEX/ EXFLAME/ NEWAGE
8.	Fire Aid Fire Hose Reels	KALPEX/ EXFLAME/ NEWAGE
9.	CP Hose Pipe	KALPEX/ EXFLAME/ NEWAGE
10.	Sprinkler Head	HD/ EXFLAME/ NEWAGE
11.	Fire Pumps	KIRLOSKER/ CROMTON GRIVES/ MATHER+PLATT
12	Motors	KIRLOSKAR/ SIEMENS
13	Electrical Switch Gear	L&T/ SIEMENS/ MINILEC
14	CABLES	SKY TONE/ FINOLEX/ POLYCAB
15	Flow Meter	SANT/ KENT/ LEHRY
16	Suction Strainer	DASMESH/ SANT/ ZOOTO
17	Vibration Eliminator Connectors	RESISTOFLEX/ KANWAL
18	Single Phasing Preventor	SIEMENS/MINILEC/L&T
19	Pipe coat material	PYPKOTE/COALTECK
20	Flow switch	POTTER/ SYSTEM SENSOR/ Johnson Control
21	Diesel Engine	ASHOK LEYLAND/ KIRLOSKAR /CUMMINS TAC Approved
22	Main control panel	APPLICATION CONTROL PANEL / SK POWER SOLUTION
23	Fire brigade inlet.	EXFLAME/ NEWAGE/ KALPEX
24	Rubber Hose pipe	EXFLAME/ NEWAGE/ KALPEX
25	Hose Couplings branch	EXFLAME/ NEWAGE/ KALPEX
26	Pressure Switches	INDFOSS/SWITZER/ DANFOSS
27	Pressure Gauge	H.GURU/FIEBIG
28	Battery	EXIDE/ PRESTOLITE
29	Fire Extinguisher	EXFLAME/ NEWAGE/ KALPEX
30	Enamel paint	ASIAN/ NEROLAC/ BERGER
31	Annunciation panel	SAFEGWAY/ AGNI
32	Alarm Valve	MATTER &PALET/ HD
33	Contactors	L& T/ SIEMENS
34	Trimble/Ferrules Tinned Copper	DEWEL
35	Cable gland.	COMMEX/ POWER/ GRIPWELL
36	Power Capacitor	L&T/ CROMPTON/ ASIAN
37	Measuring Meter	L&T/SIEMENS/AE
38	MS Conduit	STEEL CRAFT/BEC/AKG
39	Dash Fastener	HILTI FISHER
40	Paint Primers	ASIAN/ JENSAN/ NICHOLSON
41	Weld Electrodes	ADVANI/ESAB/VICTOR
42	Pipe Hangers	CHILLY / BUILD TECH
43	Air Vessel	Vendor fabricated
44	Air release Valve	Sant/ Zoloto/ Audco
45	Sprinkler Flexible	TYCO, HD, OMAX

24	Fire Curtains	Navair/ LBS/ Orient/ ABB/ Firefly/ Magply
25	Fire Alarm System with Accessories	Edwards/ Notifier/ Bosch/ATEIS/ Honeywell/ Gamewell
26	Network Rack	Netrack/ Mass/ AUniks/ Ruckus/ Dynamic/ Comrack/ Dlink
27	CAT6/Cat 6A / Telephone/ TV Cable/Patch Cord	Dlink/ Legrand/ Ploycab/ Havells/ RR Kabel/ KEI
28	Inverter	Legrand/ Numeric/ APC/ Siemens/ Microtek/ Luminious
29	SMF Battery	Exide/ Okaya/ Lifeguard/ Amron/ Microtek
30	Astronomical Timer Panel	Havells/ L&T/ Indoasian/ C&S
31	Fire Pumps/ Diesel Engine Pump/ Jockey Pump	Kirloskar/ KSB/ Grundfos/ Crompton
32	Valves	Kirloskar/Zoloto/ Sant/ KSB/ L&T
33	Firefighting Accessories	Lifeguard/ Omex/ Andex/ Safeguard/ Agni/Atasee
34	Call Bell/ Buzzer	Maru/ Anchor/ Cona/ Legrand/Kinjal
35	PIR Occupancy Sensor	Havells / Legrand / SCHNEIDER / Wipro / L&T
36	Surge Protection Device	Schneider Electric/ OBO / L&T / Legrand/ ABB/ Havells
37	Lift	OTIS/ MITSUBISHI/ JOHNSON/ Thyssenkrupp
38	Lightning Protection	JMV/ OBO/ APS/GS Electro controls
39	LT Cables	Polycab/ RR Kabel/ KEI
38	Any other spares	As specified by Engineer-in-Charge or its authorized representative.

Approved Make List for HVAC Works

Instruction to bidders:

- a. Submit catalogues with the offers.
- b. Final choice of makes among the approved list shall rest with the Client / Consultant.
- c. Produce test certificates for equipment/material supplied with bills for certification.
- d. Submittals and samples must be approved from Client / Project Managers / Architects / Consultants before procurement.

Sr.	Equipment/Material	Approved Make/Manufacturer
1	DX System - Split Units (Heat pump) / VRV / VRF Systems	Mitsubishi Electric / Toshiba / Daikin / Carrier / Samsung / Blue Star
2	Copper Refrigerant piping	Mexflow / Rajco / Mandev / Total Line
3	Sequential Controller	Proton/Carel
4	Evaporative cooling unit	HMX/Zeco/Edgetech/Humidin/Alfatech
5	Cooling Media	Munters/ Hutek
6	Ventilation Centrifugal Fans	Flaktwood / Systemair / Kruger / Greenheck / Nicotra
7	Axial Fan	Systemair / Kruger / Nicotra / Greenheck
8	Inline Fan	Ostberg-Pineair / kruger / Greenheck
9	Propeller Fan	GE / Marathon / Crompton / GEC Alsthom / Havells
10	Filters	Thermadyne/Spectrum/Purolator/Mechmaark
11	Factory Fabricated Ducts	Rolastar / Zeco / Ductofab / GP Spira/ Dustech
12	GI / GSS Sheets	SAIL / TATA Steel / Jindal / ESSAR / LLOYD
13	Duct Dampers / Grills / Diffuser / VCD / Collar Damper / Louvers / Door Grilles etc.	Caryaire / Conaire / Systemair / Trox/Alfatech
14	Duct Support	GPL / Gripple / Easyflex Zip-Clip / HILTI
15	PUF Saddles	Lloyds / Beardsell / Malanpur
16	V Belts /Pulleys	Dunlop / Funner
17	Anchor / Fastener	Fischer / Gripple / Rawlplug / HILTI / Power Fastener
18	Dash Fasteners	Canon / Fisher / TKS
19	Motors (other than chillers)	Siemens / Kirloskar / Crompton / ABB / Marathon
20	Three phase motors (250°C for 2 Hours) for Fire Rated Fans	As per Fire Certificate
21	M.V. Boards	Adlec, SPC Electrotech, Advance, Mile stone, Madhu Electrical, ASPL
22	Air Circuit Breaker	ABB (E-max) / Siemens (3VL)/Schneider (Ener Pact) / L&T (C-power)
23	MCCBs	ABB (T-Max) /Siemens (3VT)/ Schneider (Simpact) / L&T (DH), Legrand
24	MCBs	L&T(Hager)/Siemens/ABB / Schenider / Legrand

Sr.	Equipment/Material	Approved Make/Manufacturer
25	Motor Starters	L & T, Siemens, ABB, GE, Schenider
26	Contactors	L & T, C & S, Siemens, ABB, Merlin Gerin, GE, Schenider
27	Current Transformer	Precise / C & S / Kappa / Matrix
28	Cable Trays	Steelways, PILCO, Check Storage System, Slotco
29	Rubber Mat	Approved Equal
30	WIRING	
31	PVC insulated FR PVC copper conductor wire	Finolex, Polycab, L&T, Anchor, ECKO, Batrahenlay, Skytone, RPG
32	M.S. Conduit (ISI Mark)	BEC, AKG, NIC
33	Conduit Accessories	Sharma Sales Corpn or approved equal / Rama
34	Switch Sockets, Plugs	North West, M.K. Crabtree
35	CABLES :	
36	1.1 KV Grade XLPE insulated Aluminium Armoured Cable	Universal, Poly Cab, Nicco, Skytone, CCI, RR Cables, KEI, Finolex
37	Control Cables	Universal, Poly Cab, Nicco, Skytone, CCI, RR Cables, KEI, Finolex
38	Cable Glands & Lugs	Stipwell, Comet, Dowell, Cosmos
39	UVGI system for AHU/ducts	Kleanwave/Sounvax/Strileaire

Note:-

1) All makes shall confirm to standard specifications of each items as enclosed with the tender documents. In case any of makes for any of the material is left out in the above list for using at site then the contractor shall inform the Engineer-in-charge about the same and obtain the approval. Thereafter, he can proceed with the supply of the material.

2) The contractor will use one of the approved makes with prior approval from Engineer-in-charge.

3) For materials / equipment for which approved makes are not given herein, the makes of such materials / equipment shall be as decided by Employer.

4) If any major equipment is using a small component of make other than that given as a standard component with the equipment, the same shall be accepted subject to approval of Employer.

5) If approved makes for any materials/equipment is mentioned under a particular sub head, the same make can be used for other works if not mentioned in that work.