

ANNEXURE A:

**REVISED LIST OF APPROVED MANUFACTURERS / SPECIALISED AGENCIES:**

(Revision due to Pre bid queries)

Note:

1. The Contractor shall obtain prior approval from the Dean (IPS) before placing order for any specific material or engaging any of the specialized agencies. The Contractor shall make a detailed submittal with catalogues and highlighted proposed specifications, as well as full details of the works proposed to be executed by the specialized agency, as specified.
2. Unless otherwise specified, only the brand / make of the material as specified in the item nomenclature, in the particular specifications and in the list of approved materials attached in the tender, shall be used in the work.
3. Under exceptional circumstances, Engineer-in-charge at his discretion that shall be final and binding, may permit any other equivalent brand or any brand that is already adopted by IITB for its works or by CPWD in last three years subject to proof being offered by the contractor for the equivalence.

**A. CIVIL:**

S. NO	DESCRIPTION OF WORK	MANUFACTURERS
	Structural & Architectural	
1	Cement	ACC, Ultra Tech, J. P. Rewa, Vikram, Shree Cement, Birla Jute, Cement Corporation of India, Ambuja Cement
2	White Cement	J.K., Birla
3	Ready Mix Concrete	A.C.C., Ultra Tech, Rmc, Godrej, Skyway, Swastik Infralogics
4	Waterproofing Compound	Pidilite, Basf, Cico, Fosroc, Roff, Sunanda, Sika, Keracoll
5	Reinforcement Steel	Sail, Tata Steel, RINL, Jindal Steel & Power Ltd., Jsw Steel Ltd., Makes-Conforming to Criteria Mentioned In Tender Document (Section 2.1, Special conditions for Steel Reinforcement Bars of Part B: Major Components (Civil and Plumbing works)
6	Mechanical Splicing System with Coupler	Splicetek India Pvt. Ltd. Dextra India Pvt. Ltd. Ishita Enterprises
7	Structural Steel	Tata Steel, Sail, RINL, Vizag, Jindal,

S. NO	DESCRIPTION OF WORK	MANUFACTURERS
		Apollo
8	Concrete Blocks	Conwood, Gurjari, Hindustan, Lokgroup, Sai Block, Ved Pmc Ltd.
9	AAC Blocks	Aerocon, Siporex, Ultra Tech, Ecolite, Godrej
10	Sand	Gujarat River
11	Precast Concrete Products	Siporex Ind, B.G. Shirke & Co; Supreme Concrete Minato Blocks - Kolhapur
12	Anti-Termite Treatment	Pci, Pecopp, Godrej Hi-Care
13	Factory Made Concrete Blocks	Astra Concrete, Raj Cover Blocks
14	Ready Mixed Cement Plaster	Walplast, Ultra Tech, Madras Cement Ltd, Sound Build Care Ltd., Ferrouscrete, Precise Conchem Pvt Ltd.
15	External Texture Paint	Renovo, Ruff&Tuff, Roughtex, Sherwin Williams, SKK
16	Waterproofing Cement Paint	Snowcem, Berger, Nerolac, Asian,
17	Paints	ICI, Asian, Berger, Nerolac, Dulux, Godavari Paints, Jotun, British Paint, Exel Coat
18	Gypsum Light Weight Plaster	Gyproc, Ferrouscrete, Ultratech, Saint Gobain
19	White Cement Based Putty For Concrete/Plastered Surfaces	Birla White, Plasto Shine, Walplast Products Pvt. Ltd.
20	Polymer Modified Cementitious Grout/Cement Adhesive/Epoxy Grout	Pidilite, Basf, CICO, Fosroc, Roff, Laticrete, Ardex Endura, Kerakoll, Ferrouscrete, Bal Endura
21	Polymer Modified Adhesive Mortar for AAC Blocks	Walplast, Ultra Tech, Madras Cement Ltd, Sound Build Care Ltd., Ferrouscrete, Precise Conchem Pvt Ltd., Keracol, Pidilite, Ecolite
22	Integral Water Proofing Compound	Pidilite, Roff, Fosroc, Sunanda, Cico, Accoproof, Mc Bauchemie, Sika, Kemper
23	Membrane Water Proofing	Pidilite, MYK Arment, Tkidan, Technicol
24	Calcium Silicate Boards/Tiles	Hilux, Promat, Visaka, Starpan, Aerolite
25	Friction Hinges & Locks	Cotswold, Geze, Alualpha, Securistyle, Sotralu, Master
26	Spacer tape, Backer Rod	Norton, Bow, Tremco
27	All Types of Silicon	Dow Corning, GE, Wacker India

S. NO	DESCRIPTION OF WORK	MANUFACTURERS
28	EPDM	Ame Rubber Industries, Okaska, Bohra Rubber
29	Nuts, Bolts, Screws	Kundan, Puja, Atul
30	Welding Rods	Ador, Cosmos, Esab, Super Bond (S)
31	Stainless Steel Anchor Fasteners	Hilti, Fischer, Klimas, Index
32	Aluminium Extrusion Sections	Jindal, Hindalco, Nalco, Indian Aluminium Co, Vedanta, Gujrat Aluminium
33	Intumescent Strips	Promat, Pemko, Intumex, Astroflame
34	Float Glass Clear	Pilkington, Saint Gobain, Asahi, Modiguard, Guardian, SiseCam
35	DGU, SGU, Fire Rated Glass	
36	Toughened Glass	
37	Fire Resistant Wooden Door Frame & Shutters	Ardor, Signature, Sukriti, Promat, Kutty, Signum, Kenwood, Shreeji, Tufwood, Navair, Sukri
38	Fire Resistant Metal Door Frame & Shutters	Ardor, Signature Sukriti, Promat, Kutty, Signum, Kenwood, Shreeji, Tufwood, Navair, Shaktimate Horman, Iclean, Sukri
39	Fire Rated Glass	Pilkington, Schott, Saint Gobain, Asahi, Guardian, Modi
40	Hardware For Fire Rated Doors	Dorma, Geze, Hafele, Hettich, Assa Abloy, Shalimar, Ozone
41	SS Door Hardware	Dorma, Geze, Hafele, Hettich, Kich, Assa Abloy, Shalimar, Ozone
42	Floor Springs, Door Closures, Panic Bar, Patch Fittings	Dorma, Geze, Hafele, Hettich, Horman, Sevax, Casma
43	Locks	Godrej, Vision/ Vijayan, Dorset
44	Wooden Flush Doors	Kenwood, Anchor, Century, Greenply, Shreeji, Kutty, Kitply, Navair
45	Marine Plywood	Kenwood, Anchor, Century, Greenply, Shreeji, Kutty, Kitply, Archid
46	Commercial Plywood	
47	Blockboard	
48	Laminates	Greenlam, Century Ply Ltd, Merino, Formica
49	Screws	Nettlefold, Brass Oxide
50	High Pressure Compact Laminate Doors	Merino, Greenlam, Citadel
51	Stainless Steel	Jindal, Sail, Tata Steel, JSW
52	Polycarbonate Sheets	Palaram, Danpalon, Lexon, Alcox



S. NO	DESCRIPTION OF WORK	MANUFACTURERS
53	Paver Blocks / Grass Pavers / Kerbstone	Vyara, Basant Betons, Super, Hindustan
54	Granite	CMC, Elegant, Asia Pacific, Stone Source
55	Vitrified Tiles - Glazed, Soluble Salt, Double Charge, Full Body	Somany, Kajaria, H.R.Johnson, AGL, Asian, Nitco, Orient, RAK
56	Ceramic Tiles	Somany, Kajaria, H.R.Johnson, AGL, Asian, Nitco, Orient, RAK
57	Non-Shrink Cementitious Grout	Sika, Fosroc, Basf
58	Hydrophilic Swellable Water Bar Profile Sealants	Sika, Basf, Adeka India
59	Adhesive For Granite, Marble, Stone	Araldite, Hunstman,
60	Adhesive For Wood, Laminate, Veneer	Fevicol-Pidilite, Euro-Jyoti Resins
61	Galvanised Steel Sheets (precoated)	Tata, Jindal, Sail
62	Modular furniture	Godrej, Featherlite, Urban Grey, Jalaram, Amardeep Design, WDPL, DURIAN, Form Design, Nine to Five, HNI Contractor to provide minimum 03 Nos. samples of different makes for approval of Client & Architect

#### B. SPECIALISED AGENCIES:

Sr No	Description For Work	Manufacturers & Applicator
1	Waterproofing Works	Sika, Fosroc, Sunanda, Pidilite, Nayak Constructions Ltd, Basf, Keracol, Likproof India Pvt. Ltd., Modern Waterproofing Co, India Waterproofing Co., Overseas Waterproofing Corp. Nina Waterproofing, National Water Proofing
2	Furniture works	
2.1	Metal beds	Godrej, Manufactured Jalaram, Form Design, Nine to Five, Featherlite, Urban Grey, Amardeep Design
2.2	Wardrobe	Godrej, Manufactured Jalaram, Form Design, Nine to Five, Featherlite, Urban Grey, Amardeep Design

Sr No	Description For Work	Manufacturers & Applicator
2.3	Table	Godrej, HNI, Durian, Featherlite, Urban Grey, Amardeep Design
2.4	Chair	Godrej, HNI, Durian, Featherlite, Urban Grey, Amardeep Design
2.5	Dining Table	Fabricated, Urban Grey, Amardeep Design
3	Powder coating	Jotun, PPG, Akzonobel

### C. ELECTRICAL AND MECHANICAL (E&M) WORKS

Sr. No.	Equipment / Materials	Recommended Manufacturers
<b>A</b>	<b>Electrical Works</b>	
1	LT Panels (TTA Panels) OEM Manufactured	Legrand (XL3-DO) / LK (T Era) / Schneider Electric (Blokset) / ABB (MNS) / Siemens (SIVACON)
2	LT Panels (Non TTA Panels) and Motor Control Centre	Same Manufacturers who manufacture TTA OEM Panels.
3	IoT Based System	ABB / Siemens / Schneider / Aunoa / Honeywell / Bosch
4	Sandwich Construction Bus Duct and Rising Mains	Schneider Electric / Legrand / LK
5	Distribution Board	Hager (Novalo Plus) / Legrand /Siemens / LK (Exora) / ABB / Schneider
6	Motor Starter	LK/ Schneider / Siemens / ABB / Legrand
7	Air Circuit Breaker	LK (U-Power) / Schneider Electric (Master Pact NW) / Siemens (3WT/3WA) / Legrand (DMX SP) / ABB (Emax)
8	Moulded Case Circuit Breaker (MCCB)	Schneider Electric (NSX) / LK (D- Sine) / Siemens (3VM/3VA) / Legrand (DPX3 / DRX) / ABB (Tmax)

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Sr. No.	Equipment / Materials	Recommended Manufacturers
9	LT Switchgears: Miniature Circuit Breakers (MCB) Residual Current Circuit Breaker (RCCB) Residual Current Circuit Breaker with Overcurrent (RCBO) Motor Protection Circuit Breakers (MPCB) Isolators	Hager / Legrand / Siemens / ABB / Schneider Electric / LK
10	Power / Auxiliary Contactor	Legrand / Schneider Electric / Siemens / LK / ABB
11	Energy Monitoring System	Legrand / Socomec / Schneider / LK / ABB
12	Change Over Switch	Socomec / LK / Legrand / ABB
13	ATS – Auto Transfer Switch	Vitzrotek / ASCO / Socomec / Schneider Electric / Legrand / LK / ABB / Siemens
14	Current Transformers / Potential Transformers	Automatic Electric / Indcoil / Pragati / AE / Kappa / LK / Precise / Elmex / Ashmor / ECS / Kalpa
15	Relays	LK / Siemens / Enercon / Legrand / Trinity / Schneider Electric / Beluk / Ducati / EPCOS / ABB
16	Indicating Lamps (LED type)	LK / Salzer / Schneider Electric / ABB / Siemens / GE / Technik / Vaishno / As per OEM Standards
17	Push Buttons and Bush Button Set	LK / Salzer / Schneider Electric / ABB / Siemens / GE / C&S / Teknic / Vaishno As per OEM Standards
18	Selector Switch	LK / Salzer / Kaycee / Schneider Electric / ABB / Siemens / MECO / As per OEM Standards
19	Terminal Blocks	Connect Well / Elmex / WAGO

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<b>Sr. No.</b>	<b>Equipment / Materials</b>	<b>Recommended Manufacturers</b>
20	Connectors (Colours as per Phases and Neutral)	WAGO / Phoenix Contact / Connect Well
21	Meters / Energy Meters & Load Managers (Digital)	LK / Siemens / Schneider Electric / Legrand / ABB / SECURE / RISHABH
22	Meters (Analog)	LK / Siemens / Schneider Electric / Legrand / ABB / SECURE / RISHABH
23	Electric Timers	LK / Legrand / Siemens / Schneider Electric / ABB / MECO / BCH
24	Rotary Switches	Siemens / Kaycee / Salzer / LK / Legrand / Schneider Electric / As per OEM Standards
26	Low Voltage Cables	Finolex / KEI / Havells / Polycab / RR KABEL
27	Cable Glands (Double / Single Compression type)	Comet / Cosmos / 3D / HMI / Hex / Jainsons / Dowells / Braco / Polycab
28	Cable Lugs / Cable Terminations	Comet / Cosmos / 3D / HMI / Hex / Jainsons / Dowells / Braco / Polycab
29	Cu. Conductor Wires (FRLS)	Finolex / Havells / Anchor / Polycab / RR KABEL / KEI
30	PVC Conduits and related accessories	Precision / AKG / Polycab / Anchor / Asian
31	MS / GI Conduit (ISI approved)	AKG / BEC / Vimco / Supreme / Precision / Steelcraft / Anchor
32	HDMI Cables / USB Cables / Audio Cables	Legrand / AMP / Molex
33	TV Co-Axial Cables	Finolex / Havells / Polycab / RR KABEL / KEI
34	Modular Switches & Sockets / Modular Base Frames with Plate and GI Switch Boxes	Legrand (Lyncos) / MK (Blenze Plus & Orna) / Crabtree (Murano) / Schneider (Miluz) / Norisys / Panasonic (Europa) / LK (Englaze) Model shall be as approved by Architect & Client. GI Switch boxes shall be of Switch sockets brand

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Sr. No.	Equipment / Materials	Recommended Manufacturers
35	Occupancy Sensor / Motion Sensor	Legrand / Schneider / Wipro / Phillips / Siemens
36	Industrial type Sockets (Metal Clad / Splash Proof / Water Proof / Weather Proof)	Legrand / Schneider Electric / LK / ABB / Siemens / Hager / Hensel / SCAME
37	Ceiling Fan – BLDC / Exhaust Fans	Atomberg / Usha / Bajaj
38	Exhaust Fans	Atomberg / Crompton / Bajaj / Havells /Usha
39	Lighting Fixtures	
	a) Internal	Signify-Philips / Panasonic / Wipro / Trilux / Havells / Osram / Bajaj
	b) Decorative	Signify-Philips / Panasonic / Wipro / Trilux / K-Lite
	c) Indoor Gaming / Sports	Signify-Philips / Panasonic / Wipro / Trilux
	d) External	Signify-Philips / Panasonic / Wipro / Trilux/ K-Lite
	e) Poles for External Light	Bombay Poles / Bajaj / K LITE
40	Junction Boxes	Hensel / Sintex / Clipsal / Spelsberg / SCAME
41	Aviation Light	Bajaj / Insta Power / Spectrum
42	Cable Trays (Ladder Type / Perforated)	OBO Bettermann / Legrand / Indiana / Profab / MK / Erico / RITE / Pushpak / Patni
43	Floor Raceways / Floor Trunking	MK / Legrand / OBO Bettermann / Schneider
44	Floor Junction Boxes	MK / Legrand / OBO Bettermann / Schneider
45	UPVC Trunking	MK / Legrand / OBO Bettermann / Precision
46	Fire Sealant & Fire-Retardant Paint	3M / HILTI / OBO / PROMAT

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Sr. No.	Equipment / Materials	Recommended Manufacturers
47	Lightning Protection System / Surge Arrester	Axis / LPI / OBO / Dehn / Indelec / ABB Furse / Purcel / Eltech / Tercel / JEF / CIKIT
48	Earthing System	OBO Bettermann / JEF / JMV / Axis / Dehn / Eltech / Indelec / ABB Furse / Ashlok
49	UPS	Eaton / APC-Schneider / Legrand (Numeric) / Vertiv (Emerson) / Delta / Socomec / Delta / ABB
50	SMF Batteries for UPS	Exide / Amara Raja / Rocket / Amaron / Standard / AMCO / Prestolite / Tata Green / HBL Life
51	Inverter	Microtek / Luminous / Prostarm
52	RCC Hume Pipes	Dhere / KK / Indian Hume Pipe / Pranali
53	DWC Pipes / HDPE Pipes	Rex / Natni / Polymer / Gemini
54	Anchor Fasteners	HILTI / Fischer
55	Solar Power	Rayzon / Vikram / Novasis / Sova / Waaree / Tata Power Solar / Reliance-Qinso
56	Battery Chargers	HBL Life / Exide / Universal Instruments / Automatic Electric ltd./ Mass.Tech controls (p) ltd./ Chabbi Electricals Pvt ltd
57	Insulating Mats	Premier Polyfilm Ltd./ RMG Polyvinyl India /Commercial Enterprises / DI miller & co. Ltd.
<b>B</b>	<b>DG Set Works</b>	
1	Alternator	Kirloskar Green / Crompton / Stamford / Leroy / Somer / Elmot
2	Engine	Cummins / Caterpillar / Volvo Penta / Kirloskar / Perkins / Greaves/ BAUDOUIN
3	Batteries	Exide / Amara Raja / Rocket / Amaron / Standard / AMCO / Prestolite / Tata Green / Cummins Pulse lite
4	Integrators	Powerica / Goel Power / Sterling & Wilson

Sr. No.	Equipment / Materials	Recommended Manufacturers
		/ Jackson / Sudhir / Cummins Power / Kalpaka / Mahindra
5	AMF Panel	DG OEMs to propose System Integrators for AMF Panel
<b>C</b>	<b>ELV Works</b>	
1	Fire Alarm System and all accessories	Edwards / Simplex / Honeywell-Notifier / Bosch / Siemens-Fire finder
2	Cables for Fire Alarm System	Finolex / KEI / Havells / Polycab / RR KABEL / Tyco
3	Public Address System (Master Controller, Amplifier, Speakers, Call Station)	TSG Optimus/ Honeywell Variodyn/ Bosch Preasensa / Bose
4	Cables for Public Address System	Finolex / KEI / Havells / Polycab / RR KABEL Kabel
5	CCTV Cameras	Prama / Samsung / Honeywell / Bosch / Axis / Pelco / Hanwa
6	24 X 7 LED Displays	Samsung / Sony / LG / Dell / Lenovo / HP / Delta
7	Servers / Workstations / Display	Dell / HP / Lenovo
8	Switches and Accessories (PoE, Non PoE / Network, Core)	Cisco / HP-Aruba / Juniper
9	Cat 6 Cables, Wire, Fiber Optic Cables and Patch Cords, Patch Panels and related accessories	R&M / Legrand / Systimax / Molex / AMP / Siemens / Panduit
10	LIU and related accessories	R&M / Legrand / Molex / AMP / Siemens / Panduit / Cisco
11	Hard Disk	Seagate / Toshiba / WD-Purple
12	Racks	Valrack / ApwPresident / Rittal / R&M / APC / Cisco / Wipro / Vertiv

Sr. No.	Equipment / Materials	Recommended Manufacturers
13	Network Video Recorder / Digital Video Recorder, Software and related accessories	Prama / Samsung / Honeywell / Bosch / Axis
14	Telephone Tag Box	ADC-Krone / Legrand / Cisco
15	Telephone Junction Boxes and Modules	ITL / Krone / MALSON
16	RJ-45 Information Outlets	Legrand (Lyncus) R&M / Systimax / Molex / AMP / Siemens / Panduit Model shall be as approved by Architect & Client.  Contractor to provide minimum 03 Nos. samples of different makes for approval of Client & Architect
17	Door Access Control System	Siemens / Honeywell / Bosch / HID / Matrix / eSSL
18	Cables for Door Access Control System	Finolex / KEI / Havells / Polycab / RR KABEL
19	Gas leak detection System	Ambetronics / Oldham / Honeywell / Uniphos
20	BMS SYSTEM / IOT	Honeywell / Siemens / Johnson Controls / Schneider Electric
<b>D</b>	<b>ELEVATORS</b>	
1	Elevators	Kone Elevators India Pvt. Ltd. Otis Elevator Company (I) Ltd. Johnson Lifts Pvt. Ltd. Schindler India Pvt. Ltd, Omega Elevators

Sr. No.	Equipment / Materials	Recommended Manufacturers
<b>E</b>	<b>HVAC</b>	
1	VRV / VRF System (indoor / outdoor units)	Mitsubishi Electric / Daikin / Toshiba / Fujitsu General / LG
2	GI Ducts	Jindal / Sail / TATA
3	Grilles and Diffusers	Cosmos / Carraire / System Air / Airtech / Airpro / Dynacraft / Tristar



Sr. No.	Equipment / Materials	Recommended Manufacturers
4	Ventilation Fans	Kruger / Nicotra / Air Flow / Caryaire / Greenheck
7	Readymade ducting profile	Rola star, Zeco, Radiant, Asawa
8	PIR ducting	Pal, Asawa
9	Airflow Switch	Siemens, Honeywell
10	Motors	Bharat Bijlee / Crompton / Siemens / ABB
11	Starter Panel	Sterling and Wilson / Zenith Engineering / Arrow Engineers / Marine Electricals / Sinerco / Goel Power / Power Control / LK / ABB / Schneider Electric / GE
12	Refrigerant Copper Piping	Mandev / Totaline / Mexflow / Nippon
13	Refrigerant Copper Piping Insulation	K Flex / Armaflex / Superlon
14	PVC Pipes and related accessories	Precision / Polycab / Prince / Finolex / Supreme / Astral / Dunlop
15	Adhesives	Armaflex 520 / Pidlite SR 998 / Foster / IIDL / Napco / Star Bond
16	Corded / Cordless Remotes	Daikin / Toshiba / Mitubishi / Fujitsu General
<b>F</b>	<b>FIREFIGHTING</b>	
1	Fire, Sprinkler, Hydrant Main / Jockey Pumps	Kirloskar / Mather & Platt-WILO / Crompton / KSB / Xylem
2	Terrace Pumps	Kirloskar / Mather & Platt-WILO / Crompton / KSB
3	Diesel Engine	Cummins / KOEL / Greaves / Perkins / Cooper / Gemmco
4	Battery	Exide / Amara Raja / Rocket / Amaron / Standard / AMCO / Prestolite / Tata Green
5	Battery Chargers	Servilink / HBL / Numeric / Robin Teper
6	Motors	KEC / Siemens / ABB / Crompton / Kirloskar / Crompton / Bharat Bijlee
7	Starters	L & T / Schneider / Siemens / ABB / Legrand
8	Anti Vibration Mounting, Expansion Joints	Dunlop / Resistoflex / Easy Flex / Flexionics / Vimpa / IMRA

S.L.

<b>Sr. No.</b>	<b>Equipment / Materials</b>	<b>Recommended Manufacturers</b>
9	Motors	KEC / Siemens / ABB / Crompton / Kirloskar / Crompton / Bharat Bijlee
10	Starters	Legrand / LK / Schneider Electric / ABB / Siemens
11	GI Pipes	TATA / Jindal / SAIL / Praksh Surya
12	Pipe Fittings	Jainsons / Unik / VR
13	Non-Return Valves	Leader / Zoloto / Sant / Kirloskar / Advance / Audco / Hawa / Lehry
14	Gate Valves	Leader / Zoloto / Sant / Kirloskar / Advance / Audco / Hawa / Lehry
15	Sluice Valves	Leader / Zoloto / Sant / Kirloskar / Advance / Audco / Hawa / Lehry
16	Butterfly Valves	Leader / Zoloto / Sant / Kirloskar / Advance / Audco / Hawa / Lehry
17	Ball Valves	Leader / Zoloto / Sant / Kirloskar / Advance / Audco / Hawa / Lehry
18	Air Release Valves	Leader / Zoloto / Sant / Kirloskar / Lehry / Shah Bhogilal / Claval
19	Solenoid Valves	Danfoss / Honeywell / Lehry / Rotex / Avcon
20	Y-Strainer	Leader / Zoloto / Sant / Kirloskar / Advance / Audco / Hawa
21	Pressure Switches	Indfos / Danfoss / Honeywell / Stefa / Switzer / NICO / Viking
22	Pressure Gauges	HD Fire / H Guru / Fiebig / Warea
23	Air Vessel	Nema / Golden Deer / Zenith
24	Anti Corrosive Materials / Wrapping & Coating	IWL / Rustech / Pypkote
25	Pipe Clamp & Supports	Chilly / Euroclamp / Easyflex / Gripple
26	Hydrant Valves	Padmini / New Age / Omex / Minimax / Superex
27	Fire Hydrants	Padmini / New Age / Omex / Minimax / Superex
28	RRL Hose Reel	Padmini / New Age / Omex / Minimax / Superex
29	Fire Hose Reel	Padmini / New Age / Omex / Minimax / Superex



Sr. No.	Equipment / Materials	Recommended Manufacturers
30	Fire Hose, First -Aid Hose Reel, Branch Pipe, Siamese Connections, Hose Coupling, Nozzle, Fire Brigade Connection, etc.	Padmini / New Age / Omex / Minimax / Superex
31	Stand Post Hydrant	New Age / AAG / Padmini
32	Sprinklers, QBD	HD Fire / Tyco / Viking / Grinnell / Spray Safe /newage
33	Flexible Drop Connection	Flexhead / Newage / Tyco /newage
34	Flow Switch	Danfoss / Switzer / Honeywell / System Sensor / HD Fire / Tyco/ Johnson control /Siemens
35	Test Drain Assembly	New Age / Tyco / HD Fire / Viking / Spray Safe / Grinnell
36	Alarm Control Valve, Installation Control Valve	New Age / Tyco / HD Fire / Viking / Spray Safe / Grinnell
37	Fire Extinguisher	Kanex / Minimax / Safex / New Age / Cease Fire / Safe Guard
39	Toggle Switch	Jay / Equi
40	Fireman Axe	New Age / Safeguard
41	Paints / Primer	Asian Paints / Berger / Nerolac
42	Welding Electrodes	Advani / Maruti / ESAB
43	Fire suppression System / Clean Agent	Ansul / Siemens/ 3M / minimax/ Honeywell
44	Hose Cabinet / Hose Box	New Age / Minimax / Safex
<b>G</b>	<b>Plumbing Works</b>	
1	Sanitary Wares	Jaquar, Parryware, Hindware, Kohler, Grohe, Sternhagen, CERA, RAK -ceramics
2	C. P. Fittings	Jaquar, Parryware, Hindware, Kohler, Grohe, Sternhagen, CERA/ Roca / Euromics
3	S. S. Sink	Nirali, Deepali, Futura, Prestige / Hefle
4	C. I. Pipes & Fittings	Neco, Kapilansh, Skf, Hepco
5	G.I. Pipes	Tata, Jindal, Prakash Surya,
6	G. I. Fittings	Unik, R-Brand, Zoloto

S.C.

Sr. No.	Equipment / Materials	Recommended Manufacturers
7	Np2 Class, R.C.C. Pipes	Jain Spun Pipe, K. K. Spun Pipe, The Indian Hume Pipe Co. Ltd., Patel Hume Pipes
8	S. S. Gratings	Chilly, Camry,
9	Glass, Mirror	Modi Guard, Saint Gobin,
10	Stainless steel Sink	Nirali / Franke / Prestige / Hefle
11	Floor Drain Fixture, Rainwater	Supreme / Prince Piping Systems / Ajay / Aco / neer
12	G.I / M.S Pipes	TATA / Zenith / Jindal-Hissar / SAIL
13	G.I Malleable fittings	Unik / Jain Sons / Kirti
14	C.P. Grating for Floor Trap	Chilly / GMGR / Neer
15	GM or copper alloy Gate / Peet / Globe / Check valve	Sant / Leader / Zoloto
16	Ball Valve	Sant / Zoloto / Itap / Hawa / Lehry
17	GM / Forged Brass Ball Valves	Itap / Zoloto / RB / Hawa / Lehry
18	Air Valve / Kinetic Air Valve	Zoloto / ITAP / RB / Watts
19	Water meter	Capston / Keycee / Paramount/ Deshmesh/ Rockwin To be BMC approved.
20	Sluice valve / Foot valve (ball type )	Kirloskar / IVC / Danfoss / Normex / Sant / Zoloto
21	C.I Water quality pipes	Electrosteel / Kapilansh/Keshospun / Kartar
22	C.I Soil quality pipes	Neco / Saint Gobain/ Kapilansh / kartar
23	C.I Framo & Cover	Nooo / Saint Gobain / RIF
24	S.W Pipe & Gully Trap	Kashmira, Rajura, Girco, Perfect, C.I.or approved eq. / Tacel
25	RCC Hume pipe	IHP, Pranali, Premier, Shreeji, Pragati, Usha, JSP or app. Eq
26	SFRC frame & cover / gratings	Bharat, Shreeji, SS, KK or approved eq.
27	HDPE Pipe	Supreme / Mahavir / Reliance / Duraline
28	PVC flushing Cistern	Parryware / Hindware
29	Pressure Gauge	Fiebig / H. Guru Guru / Emerald / Waaree
30	Foot Valve (Ball type )	Normex /Zoloto/Itap
31	SBR / EPDM Gaskets	Prabhat, Orient, Paul, Durable or approved eq.

<b>Sr. No.</b>	<b>Equipment / Materials</b>	<b>Recommended Manufacturers</b>
32	C.I fittings / Specials	Electrosteel / Kapilansh/NECO
33	Flush Valves	Jaquar / Grohe / Kohler
34	Check Valve WaferType	Advance / Danfoss / Kirloskar
35	Check Valve Dual Plate	Advance / SKS
36	Check Valve Forged Screwed	Leader / RB / Sant / TBS / Zoloto
37	Check Valves ( slim type )	Zoloto / Intervolve OR approved equivalent
38	Butterfly Valve	Itap / C&R / Audco / Sant / Lehry
39	Ball Valve (15 to 40 mm)	Sant / Zoloto /Lehry
40	Pressure Reducing Valve	VARIE (Vartsila) / Honeywel/Zoloto /watts/ lehry
41	Cockroach trap	Chilly / ACO/Neer
42	CI double flanged non-return valve	Kirloskar, IVC, Leader,
43	Cast Iron Pipes & Fittings Manhole covers and frames	
a.	As per IS:3989 (Pipes & Fittings)	Kapilash
b.	As per IS:1729 (Manhole covers and frames)	Raj Iron Foundry Agra
c.	As per IS:1536 (CI Class LA Pipes)	IISCO / NECO /Electrosteel
44	D.I. Manhole Covers & Frames	Neco / Kapilansh
45	CILA fittings	Kartar valves & fittings / Electrosteel / Neco
46	Drip Seal	ACQUA Bond / Vinod Cement Co.
47	GI pipe sealant	Henkel - LOCTITE 55
48	Pipe clamp & supports	Chilly / Euroclamp / Easyflex / Gripple
49	D. I. Pipes	Electro Steel / Jindal / Lanco Kalahasthi
50	Copper Pipes & Fitting	Flowflex Rajco / Viega Max flow
51	Solenoid Valve	Danfoss / Honeywell / Lehry / Rotex / Avcon
52	FRP frames, covers and gratings	Everlast / Thermodrain / Fibro cast
53	Enamel Panting of pipes etc. (low VOC)	Asian (ADCOLITE ONLY) / Goodlas Nerolac / ICI
54	Ball Float Valve	Esseti / HBD / Zoloto
55	NRV Ball type Sewage application	Danfoss / Silverspark

<b>Sr. No.</b>	<b>Equipment / Materials</b>	<b>Recommended Manufacturers</b>
56	Y Strainer CI	Emerald / Sant / SKS / Zoloto
57	Water Pumps	Grundfos/DP/Wilo/KSB/Kirloskar /Ebara
58	Anti Vibration Mounting & Flexible Connections	Flexionics / Kanwal Industrial Corporation / Resistoflex /
59	Pressure Switch	Indfoss / Danfoss
60	HDPE corrugated underground	D-Rex /reliance
61	Electronic Flow Meter	Krohne (Forbes Marshall) / Rockwin
62	Level Controller & Indicator (Water)	Auto Pump / Cirrus Engineering / Elegend Controls / Technika / Techrol
63	MH / Water Tank Plastic Steps	KGM / Patel / Pranali Industries
64	Fastner	Fisher / Hilti / Diamond / hitech
65	Fire Sealant	Birla 3 M / Hilti / Promat / STI (USA)
66	Manhole (Prefabricated)	OK Play / Supreme
67	Temperature Sensor/ Gauge	Forbes Marshall / Danfoss / Wika
68	Pressure Vessel	ELBI / Wellmate/ Aventura
69	Grey Water Treatment Plant (GWTP)	Ideal System, Blue Drop, Aqua Enviromental
70	Plumbing Pumps and Pump Sets	Kirloskar / Mather & Platt-WILO / Crompton / KSB / Grundfos /Ebara
71	Kitchen Equipment	Ambika Sales, Apollo, International Equipment Company (IEC)



S.G.