

Project Implementation Unit

Make List: CIVIL

GENERAL MATERIAL SPECIFICATIONS FOR BRAND NAMES TO BE USED FOR THE EXECUTION WORKS

- 1) Approved makes of materials are listed below. The contractor should get Approved the sample of material/furniture in respect of quality and source of supply manufacturer approved by committee. All such approved samples should be kept at site in the custody of PIU. The tests for the make in external laboratory in presence of Consultant/PMC/PIU to be carried out by Contractor at his own cost as per relevant latest codes. Every items purchase bills shall be produced to PIU as and when asked for.
- 2) Mockup Furniture and material as directed by engineer in charge should get approved by committee.

CIVIL WORKS		
Sr. No.	Item	Brands
1	Concrete Work	
a	Cement	ULTRATECH, J K LAKSHMI, SANGHI, HATHI, AMBUJA, WONDER, INDIA CEMENT, HIGH BOND, JK SUPER
b	TMT Reinforcement Bar Fe – 500 /500D	TATA-TISCON, SAIL, ESSAR, ELECTRO TMT, NILKANTH, JSW, JINDAL, FRIENDS
c	Sand	As per Mix design for concrete work or zone-II. For Masonry and plaster work zone – III
2	Masonry Work	
a	Brick Masonry	Having crushing strength not less than 35 Kg/Sq.cm. of Locally Available
b	Aerated Light Weight Concrete Block Masonry (AAC Block Masonry)	AAC blocks shall be manufactured as per ISI or GRIHA approved and the product should be produced as per IS2185 Part-III (1984) for Grade- I.
3	Structural Steel Work	
a	Structural Rolled Steel sections -beams, channels, tee, flats, angles, bars(round, square ,hexagonal)	Tata, SAIL, RINL, Jindal, Essar, Asian
b	Structural Hollow steel sections (Square & Rectangular)	Tata, SAIL, Jindal, Asian, Essar, Appolo, Asian
c	Structural tubular sections	Tata, SAIL, Jindal, Asian, Essar, Appolo, Asian
4	Wood Work (Door, Window & Interior)	
a	Teak Wood	Ghana, Nagpur, Berma Teak (Indian Teak)
b	Flush Door (decorative / non decorative)	Greenply, Kit Ply, Anchor, Archidply, Bhutan Board
c	Ply Wood	Greenply, Kit Ply, Anchor, Archidply,
d	Poly carbonate sheet	Coxwell, Danpalon, VMI Plastics, Lexan, DPI

5	Aluminum Work (Door, Window & Interior)	Jindal, Hindalco, Banco, National, Royal Touch
6	Glass Reinforced Concrete(G.R.C)screens	Aarya Precast, Unity Enterprise, Swastik, Everest
7	ANTI - TERMITE TREATMENT	PESTCONTROL, SURTI, AVTIS PVT. LTD., GODREJ
8	Calcium silicate board / Gypsum Board.	Saint Gobain (India Gypsum), Hilux, Lafartz, Aerolite, Amazon
9	Dead Locks/ Mortiselocks/ Narrowstile deadlocks/ Tubular locks	Kich, Dorma, Dorset, Yale, Godraj, Enerite, Sigma, Opel, Ozone, Europa
10	Glass Work	
a	Float Glass / Wired Glass, Mirror	Modi Guard, Saint Gobain, Float Glass India Ltd., HNG, AISI
b	Reflective Glass	Saint Gobain, PPG, Asahi, Emirates, Pilkington, AISI, MODIGUARD
c	Glass Processor for HS/HT, Bulletproof, DGU, Toughness, lamination etc.	Impact Safety, Glasstech, GSC, Asahi, FG Glass, Goldplus, Emirates
11	Tile Work	
a	Ceramic Tiles	AGL, Sunheart, Johnson, Kajaria, RAK, CERA, Somani, Vermora
b	Glazed Tiles	AGL, Sunheart, Johnson, Kajaria, RAK, CERA, Somani, Vermora
c	Vitrified Tiles	AGL, Sunheart, Johnson, Kajaria, Vida, RAK, CERA
d	Tile Adhesives & Grouting material	BAL, Laticrete, Kerakoll, Ardex Endura, Mapie, Fairmate
e	White Cement	Birla, J.K.
12	Paint Work	Johnson & Nicholson, Asian, Berger, ICI, Birla(putty), JK (Putty) Nerolac, Indigo, juton
13	Texture External Plaster/paint	Spectrum, juton, Terre Palette, Asian paint,
14	ACP (Aluminium Composite Panel)(FR Grade for two hrs. Resistance)	Alu Décor, Alucobond, Alpolic, Reynobond, Viva, virgo.
15	Construction Chemicals (Plasticisers, Bonding agents, SBR Latex, Micro Concrete)	BASF, Fosroc, Sika India Pvt. Ltd., CICO Tech Ltd., MC Bauchemie, Pidilite, Yashka, ECMAS
16	Water Proofing Chemicals	
a	Chemical Water proofing & Integral Water Proofing Compound	Chryso, CICO, Fosroc, Kryton, Sika, Dr.FIXIT, Plastocrete plus, FAirmate, Pidilite Ind Ltd, ECMAS Construction Chemicals Pvt. Ltd.

b	Epoxy Grouting	Laticrete, Dubond., K2, Epoxy, Kerakoll, Ardex Endura
C	Reber and anchor fastner	Hilti, Fischer, Mungo, Fosroc, Wurth
17	Silicon Sealant/ Silicon Paint	Wacker, Dowcorning, GE, Soudal, Bostik, Chryso, Hilti
18	Poly sulphide Sealant	Pidilite, Chawksey, Hilti
19	PVC Water Stop	Arti Cables Baroda, Fixopan, Maruti
20	Door Window Hardware	Kich, Dorma, EPPW, Palladium, ozone, Godrej, Enox, Sleek, Hettich, Ozone, Ebco
21	Floor Spring	Dorma, Mab, Hafle, Doorset, Everite, Ozone Hardwyn, Ebco
22	Hydraulic Door Closer	Dorma, Yale, Hafle, Hardwyn, Trium, Ozone Everite, Hyper, Ebco
23	Pre-coated Steel Roofing/ Walling Sheets 550 Mpa	Tata Bluescope, Interarch, Nippon Dendro (poly steel) Shree Precoated (Metacolor)
24	Fire Door	Shaktimat, AGEW, Radiant, Kutty, Navair, Iclean, Accodor
25	FRP Door	JAINIK, FIBER TECH, SHREE GANESH
26	MS Rolling Shutter	Sona, Sagar, Suryoday, Gandhi, Standard, swastik, Shudhwar
27	Expansion Joint	Limited/ Vedafrance / Vexcolt / Construction Specialties International (India) Pvt. Ltd. / Kantaflex / Sanfield
28	Aluminum Metal False Ceiling	Gyproc- Saint gobain, Aerolite, Armstrong, Hunter douglas, Oculus, Lindner middle east LLC,
29	Calcium Silicate / Mineral Fibre False Ceiling	Gyproc- Saint gobain, Aerolite, Armstrong,
30	Lead Lined Door	Shakti Hormann, Acodoor, Navair, Iclean
31	Hospital and office Furniture Mattress and Bad sheet	Godrej, herman, Miller, Steelcase, Knoll, Hof, Parin, Bhavna, Sharda, Janak, Care Foam, Indo Innovations
32	Plumbing	Astral, Supreme, Prince, Finolex, Ashirvad, Miraj, Flowkem
33	Sanitary Fitting	Cera, Hindware, Roco, Vida, Jaquar, Plumber, parry, Johnson
34	C.P Fitting	Esco, Jaquar, Cera, Hindware, parry, Johnson

Notes:- (a) The contractor shall produce samples of the materials for approval of the Architect & EIC. The materials of the makes out of the above as approved by the Architect & EIC shall be used on the work. **(b)** In respect of materials for which approved makes are not specified above, these Makes to be decided by the Chief Engineer.

Make List: Plumbing

LIST OF MAKES FOR SANATARY AND PLUMBING WORK		
Sr. No.	Item	Brands
1	Vitreous China Sanitary ware	Cera, Hindware, Roco,Vida,Jaquar, Plumber,parry, Johnson.
2	Plastic W. C. Seat Cover	Cera, Hindware, Roco,Vida,Jaquar, Plumber,parry, Johnson.
3	Stainless Steel sinks	Nirali, Johnson, Prestige, Parry, Futura
4	C. P. Fittings & Accessories	Esco, Jaquar, Cera, Hindware, parry,Johnson
5	Ultra Voilet Water Purifier	Ion Exchange, thermax, Wipro
6	Hydro pneumatic System and Water Supply Pumps	Grundfos, Kirloskar, CRI, xylem, Lubi
7	G. I. Fittings	RV&' RMark, Unik, DRP, UNCO, RBRAND, UNIK, ZOLOTO, TATA, BANSAL
8	G. I. Pipe/M. S. Pipes	Tata, Jindal, Prakash, Zenith, Surya, Asian, Gujarat Steel Tube, BANSAL, Appolo
9	C. P. V. C. Pipes & Fittings	Astral, Supreme, Prince, Finolex, Ashirvad ,Miraj, Flowkem
10	U. P. V. C. Pipes & Fittings	Astral, Supreme, Prince, Finolex, Ashirvad ,Miraj, Flowkem
11	P. V. C. Pipes & Fittings	Astral, Supreme, Prince, Finolex, Ashirvad ,Miraj, Flowkem
12	Gun metal valves	Zoloto, L&T, Leader, Sant, L&K, Premier, Aatco, Honeywell, Kartar
13	CI Sluice Valves, Check valves	Kirloskar, IVC, Burn, William Jacks, Indian Valve(IVC), Advance, Leader, Zoloto, Kartar
14	Ball Cocks	GPA, Sant, L & T, L & K., Honeywell, kartar, Zoloto
15	UPVC Borewell Column pipe	Astral, Supreme, FLOWkem, Ashirvad Pipes, Duke, Kisan, Precision
16	HDPE Pipes	Duralinr, PenwaltAgru, Nocil, Jain, Supreme, Reliance
17	Fibre reinforced R.C.C. Manhole Cover	Pratibha, CIDCO, Himalaya, Alcock
18	C. I. Manholes Covers and Frames	AshokIron, Raj, Neco, R.I.F.,B.C., Neer, GMGR Approved ISI Marked
19	Submersible Drainage Pumps	Kirloskar, Mather &Platt, KSB, Grundfos, Xylem, CRI, Lubi
20	Liquid Level Controllers Liquid Level Indicators	Hema, Minilec, Radar, Sant, Sigma, Gelco, Honeywell
21	Borewell Pump	DP, KSB, Kirloskar, Mather & Platt, Lubi
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)	Cera, Parryware, Somany, Jaquar
26	Butterfly Valve	Audco, C & R, Zoloto, AIP, Kartar
27	Gunmetal Non Return Valve	Leader, Audco, Zoloto, AIP, Sant
28	Water Meter	Kapstan Bombay, Voltas Kent, Calcutta, Siemens
29	SWR Pipe	Astral, Supreme, Prince, Finolex, Ashirvad Pipes, Jain, Kisan /KSR.
30	Copper Pipe	IBP-Neco, Rajco
31	Hot Pipe Insulation	Armacel, Champion & Charminar
32	RCC Hume Pipe and Fittings	Patel Hume Pipes, Alcock, Indian Hume Pipe
33	Poly ethylene Composite Pressure Pipe	KITEC
34	Stoneware Pipes & Fittings	Mahavir, Taya & Unique
35	Pump Set	KSB, Kirlosker, Wasp, Crompton, Beacon, Grundfos, Beacon, Lubi
36	PVC Water Tank (3 Layer)	Astral, Supreme, FLOWkem, Vector, Sintex

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Make List: Fire Fighting

LIST OF MAKES FOR FIRE FIGHTING SYSTEM		
Sr. No	Item Description	Approved make / Manufacturer
1	CO2 FIRE EXTINGUISHER	Safex, Minimax, Kanex , Atasee, Safron
2	Fire Hydrant pumps	Precession , Kirloskar, Willo, Lubi
3	Control panel	Standard Fabrication CPRI Approved
4	Cable	Finolax , Incab, Polycab
5	Earthing	Erico, Rapid, Electroearth, Ashlok
6	Pressure Guage	Fiebig, hguru,Bumer,Equivelent
7	Pressure Switches	Indofoss, Denfoss
8	M.S. ERW Heavy Duty pipes	Jindal, Tata , Asian, Appolo
9	Butterfly Valve	Audco, Intervolve , Sarka , Zoloto, Kartar
10	Dual Plate CI non-return Valve	Audco, Intervolve , Sarka , Zoloto, Kartar
11	S.S ball Valve	Audco, Intervolve , Sarka , Zoloto
12	Hose Pipe	Safex, Minimax, Kanex, Newage, Atasee
13	Metal Branch	Safex, Minimax, Kanex, Newage, Atasee
14	First aid fire hose	Safex, Minimax, Kanex, Newage, Atasee
15	Fire hose cabinet	Safex, Minimax, Kanex , Newage, Atasee
16	Air Release Valve	Sant , Zoloto, Leader, Kartar
17	Autoglow Signages	Prolite , EVecab

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