

## GENERAL MATERIAL SPECIFICATIONS

Approved makes of materials are listed below. The contractor should get the sample of material in respect of quality and source of supply or manufacturer approved by Consultant / CLIENT in all cases. All such approved samples should be kept at site in the custody of EIC-CMC/PMC/CLIENT. The tests for the make in external laboratory in presence of CMC/PMC/CLIENT to be carried out by Contractor at his own cost as per relevant latest codes. Every item purchase bill shall be produced to CMC/PMC/CLIENT as and when asked for. The certificates/documents related for GREEN BUILDING Product/ Production shall be produced by Contractor from manufacturer as and when asked for.

CIVIL WORKS		
Sr. No.	Item	Brands
1	Cement OPC / PPC	<b>As per ISI and of major Plant having 10 Lacs M.T. production of single plant per annum.</b> Samples of cement arranged by the contractors shall be taken by the Engineer in- Charge and got tested in accordance with provisions of the relevant BIS codes. In case test results indicate that the cement arranged by the Contractors does not confirm to the relevant BIS Codes standards, the same shall stand rejected and shall be removed from the site by the Contractors at his own cost within three days of notice.
2	TMT Reinforcement	<b>As per IS-1786:1985(reaffirmed 2004).</b> Reinforcement bars shall be High Yield Strength Deform (TMT) Fe 500D bars from the primary manufactures confirming to IS 1786. Re-rolled steel shall not be used in the work. The Contractor shall have to obtain and furnish test certificates to the Engineer-in-Charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in- Charge as per the provisions in this regard in the relevant BIS codes. In case the test results indicate that the steel arranged by the Contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work within three days.
3	Sand	As per Mix design for concrete work or zone-II.
		For Masonry and plaster work zone - III
4	Coarse Aggregate	Sevaliya, Othavad, Sayla, sathamba, Ankodiya, Savli Resion quarry or equivalent and it must pass in respective test as per IS
5	Brick	Having crushing strength not less than 35 Kg/ Sq cm of Locally Available with Best Quality as approved

6	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 IS 2185 Part-III (1984) for Grade-I. with best quality as approved
7	Structural Rolled Steel sections-beams, channels, tee, flats, angles, bars (round, square, hexagonal)	Jindal, TATA, Sail, Asian as approved by Eng. In Charge.
8	Structural Hollow steel sections (Square & Rectangular)	Jindal, TATA, Sail, Asian as approved by Eng. In Charge.
9	Structural tubular sections	Jindal, TATA, Sail, Asian as approved by Eng. In Charge.
10	Teak Wood	Ghana, Nagpur, Berma, Valsadi Teak (Indian Teak), approved by Eng. In Charge
11	Sal Wood	Indian or Imported (First Class) as approved by Eng. In Charge
12	Flush Door (decorative / non-decorative)	Green, Duro, Century, Kit Ply, Anchor, approved by Eng. In Charge
13	Plywood/Block Board/ Soft Board	Century, Green ply, Kitply, Hindustan, Swastik, Duro as approved by Eng. In Charge.
14	Waterproof/Marine grade plywood as per – IS – 710 (BWP)	Century, Green ply, Kitply, Hindustan, Swastik, Duro as approved by Eng. In Charge.
15	Commercial Plywood – IS – 303(BWR)	Anchor, Duro, Century, Kitply, Green, Ply as approved by Eng. In Charge.
16	Decorative ply (Veneer)	Green, Durian, Century, Archid, Green Ply, Greenlam as approved by Eng. In Charge.
17	Natural Veneer	Timex, Durian, Century Ply, Green Ply, Greenlam, as approved by Eng. In Charge.
18	MDF	Nuwood, Duratuff (exterior grade only), or equivalent as approved by Eng. In Charge.
19	Prelam particle board	Novapan, Anchor, Bhutan. (exterior grade only), as approved by Eng. In Charge.
20	Laminate sheet	Formica, Greenlam, Century, Durin, Alfa-ica, Decolam, Sundeck, Bloom, Merino, Neoluxe, as approved by Eng. In Charge.
21	Shuttering plywood	Kitply, Anchor, Green as approved by Eng. In Charge.
22	Aluminum Work (Door, Window & Interior)	Jindal, Hindalco, Banco, National, Royal Touch as approved by Eng. In Charge.

23	Compact sheet	Alfiaca, Sundek, Vir, Bloom, Formica, Merino, SCG as approved by Eng. In Charge.
24	Cement bonded particle board	Shera, Everest (Eternite), SCG as approved by Eng. In Charge.
25	Calcium silicate board / Gypsum Board.	Saint Gobain (India Gypsum), as approved by Eng. In Charge.
26	Dead Locks/ Mortise locks/Narrow stile dead locks/ Tubular locks	Kich, Dorma, Dorset, Yale, Godraj, Doorset as approved by Eng. In Charge.
27	Float Glass / Wired Glass, Mirror	Modi Guard, Saint Gobain as approved by Eng. In Charge.
29	Reflective Glass	Saint Gobain, PPG, Asahi, Emirates, Pilkington, AISI as approved by Eng. In Charge.
30	Glass Processor for HS/HT, Bulletproof, DGU, Toughness, lamination etc.	Impact Safety, Glasstech, GSC, Asahi, FG Glass, Goldplus, Emirates as approved by Eng. In Charge.
31	Filler rubber of glass panel	EPDM quality as approved by Eng. In Charge.
32	Aluminium/UPVC Finish	Jotun Make 25 micron colour powder coating as approved by Eng. In Charge.
33	Aluminium/UPVC window hardware	Giesse as approved by Eng. In Charge.
34	Ceramic Tiles	Kajariya, Somani, Nexion, Simpolo, Mozart
35	Glazed Tiles	Asian, Euro, Bell Ceramic, Johnson, Somani, Nitco, Kajaria, Restiles, Varmora, Color, Mozart, Simola as approved by Eng. In Charge.
36	Vitrified Tiles	Kajariya, Somani, Nexion, Simpolo, Mozart as approved by Eng. In Charge.
37	Tile Adhesives & Grouting material	BAL, Laticrete, Kerakoll as approved by Eng. In Charge.
38	White Cement	Birla, J.K. as approved by Eng. In Charge.
39	Parking Tiles	Simpolo, Simola, Johnson, Varmora, Color, Mozart as approved by Eng. In Charge.
40	Pre cast terrazzo tiles & skirting (Mosaic)	MYKARMENT, Neocreate, Flowcrete, Artocrete, Optimal Floor
41	Paver Block	Vyara, Super, Alcock as approved by Eng. In Charge.

42	Kota Stone	Best Locally available as approved by Eng. In Charge
43	Granite Stone	Best Locally available as approved by Eng. In Charge
44	Marble Stone	Best Locally available as approved by Eng. In Charge
45	Acrylic Emulsion Paint	Asian Paint, Nerolac, Jotun, Berger as approved by Eng. In Charge.
46	Copolymer Emulsion Paint	Asian Paint, Nerolac, Jotun, Berger as approved by Eng. In Charge.
47	Weather Proof Exterior Emulsion	Asian Paint, Nerolac, Jotun, Berger as approved by Eng. In Charge.
48	Synthetic Enamel Paint for Steel	Asian Paint, Nerolac, Jotun, Berger as approved by Eng. In Charge.
49	Zinc Chromate Primer for Metal	Asian Paint, Nerolac, Jotun, Berger as approved by Eng. In Charge.
50	Fire Retardent Paint	Jotun, Vermiculite as approved by Eng. In Charge.
51	Texture External Plaster	Spectrum, Coral, Terre Palette, Fabulous Stone as approved by Eng. In Charge.
52	Exposed Brick Work Cladding	Jay Jalaram Bricks, Fabulous Stone as approved by Eng. In Charge.
53	Perforated Aluminium Sheets	As approved by Eng. In Charge.
54	Anchor fastener / bolts	Fischer, HILTI as approved by Eng. In Charge.
55	Linseed Oil	Saffola as approved by Eng. In Charge.
56	Floor Spring	Ozone, Dorma as approved by Eng. In Charge.
57	Door Closer	Godrej, Yale, Dorma, Ozone as approved by Eng. In Charge.
58	ACP (Aluminum Composite Panel) (FR Grade for two hrs. Resistance)	Alu Décor, Alucobond, Alpolic, Reynobond as approved by Eng. In Charge.
59	Construction Chemicals (Plasticizers, Bonding agents, SBR Latex, Micro Concrete)	BASF, Fosroc, Sika India Pvt. Ltd., CICO Tech Ltd., MC Bauchemie, Sunanda chemicals, Pidilite as approved by Eng. In Charge.
60	Water Proofing Chemicals	MYKARMENT, Pidilite, Basf, Sika, Kryton, Bronco

61	Chemical Water proofing & Integral Water Proofing Compound	Bronco Buildwell Pvt. Ltd., Chryso, CICO, Fosroc, Kryton, Sika, Dr. FIXIT, Plastocrete plus, Air mate, Pidilite Ind Ltd as approved by Eng. In Charge.
62	Water Proofing Cement Paint	MYKARMENT, Asian Paint, Nerolac, Jotun, Pidilite
63	Silicon Sealant/ Silicon Paint	Wacker, Dowcorning, GE, Soudal, Bostik, Chryso, Hilti as approved by Eng. In Charge.
64	Polysulphide Sealant	Pidilite, Chawksey, Hilti as approved by Eng. In Charge.
65	PVC Water Stop	Arti Cables Baroda, Fixopan, Maruti as approved by Eng. In Charge.
66	Door Window Hardware	Kich, Dorma, EPPW, Palladium, Magnum, Godrej, Enox, Sleek, Hettich, Décor Brass as approved by Eng. In Charge.
67	Floor Spring	Dorma, Mab, Hafle, Doorset, Everite, Omega, Hardwyn as approved by Eng. In Charge.
68	Hydraulic Door Closer	Dorma, Yale, Hafle, Hardwyn, Trium, Everite, as approved by Eng. In Charge.
69	Pre-coated Steel Roofing/ Walling Sheets 550 Mpa	Tata Bluescope, Interarch, Nippon Dendro (poly steel) Shree Precoated (Meta color) as approved by Eng. In Charge.
70	Fire Door	Shaktimat, AGEW, Radiant, Kutty as approved by Eng. In Charge.
71	PVC Door	Rajshri, Sintex, KAKA as approved by Eng. In Charge.
72	MS Rolling Shutter	Sona, Sagar, Suryoday, Gandhi, stndard, swastik, Shudhwar as approved by Eng. In Charge.
73	Water stopper	Fixopan, Aarti Polymer, MYKARMENT, Sika, Basf, Fosrac as approved by Eng. In Charge.
74	Polish	MRF, Asian, ICI as approved by Eng. In Charge.
75	Pre-coated steel roofing / walling sheets	Tata Bluescope, Interach, Shree Precoated as approved by Eng. In Charge.
76	Sandwich Roofing System	Kalzip, Kingspan
77	Expansion Joints	Kantafkex, 3R, Sanfield , Migua, C&S
78	Epoxy Grout	MYK laticreate, Dow corning, Dubond, Sika
79	Joint Filler / Silicon Paint	GE silicone, Wacker, Dowcorning, Chokshi as approved by Eng. In Charge.

80	Silicon Paint - Solvent based	Wacker, GE Silicon, Dowcorning as approved by Eng. In Charge.
81	Silicon Paint - Water Based	GE Silicon, Dowcorning as approved by Eng. In Charge.
82	Bitumen	Indian Oil, Hindustan Petroleum

**Note:** All the Material to be approved by Architect and tested as per latest relevant IS, prior to execution the work Material not mentioned in above list should confirm to latest relevant IS revision.

**Signature of Contractor**

**Registrar**  
**Saurashtra University, Rajkot**