

**Project Specific Design Guidelines for Civil, Structural and  
Architectural Works**

**For**

**“Data Sheet for Civil and Structural Works”**

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	<b>Data Sheet for Civil and Structural Works</b>	

SN	Item	Product / Series	Brand	Description	Location
<b>A Walls</b>					
1	Masonry	Flyash blocks	As per approval of EIC	190 thick	exterior masonry walls
2	Masonry	Flyash blocks	As per approval of EIC	110 thick	interior masonry walls
3	Masonry	Brick work	IS Code	230 thick	exterior/ interior masonry walls
<b>B Flooring</b>					
1	Paver Blocks	Paver Blocks/ Grass Paver		200 x 200 mm, 225 x 200 mm, 275 x 200 mm, 325 x 200 mm Available in 60 mm thickness & 300 x 300 mm Paver Blocks/ Grass Paver	Site: moderate to light vehicle movement area (other than transformer movement area)
2	Bitumen / Fibre reinforced concrete pavement				Site: heavy vehicle movement area
3	Vitrified Tiles	Nitco Cosmic Ultra Charge ----- Kajaria gres Neptune, Kajaria London gris	Nitco Kajaria, Somany or Equivalent	10 mm thick 600 x 600 mm Glossy Finish ----- 10 mm thick 600 x 600 mm, Matt Finish	Office Area, remaining areas ----- canteen
4	Ceramic Tiles		Nitco Kajaria, Somany or Equivalent		
5	Acid Alkali Resistant Tile	Johnson Endura	Johnson Endura or Equivalent	Minimum 15 mm thick 300 x 300 mm Ivory Color,	Battery room, battery charger room
6	False / Raised flooring	Standard Raised Access Flooring System (USF 1200-HPL 8194)	Unitile, Everest of Equivalent	Standard Raised Access False / Raise flooring, 300 to 600 high	Panel room, control room Or as per equipment requirement

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7	Anti-Skid Vitrified Tiles	Nitco Eternity Kajaria Fog bronze, Egypto Brown	Nitco Kajaria or Equivalent	10 mm thick 600 x 600 mm	Washroom Area, areas prone to water spill
8	Heavy duty flooring			50 mm thk granolithic flooring with Non metallic floor hardener	GIS hall, Cables cellar, pump room
9	Granite		Sierra white, black		Lobby Staircase: Treads landings mid-landing
10	Water proofing		Dr Fixit or Equivalent	elastomeric membrane based waterproofing with high SRI material protective layer	Terrace
11	False Ceiling		Armstrong, Saint Gobain		
<b>C</b>	<b>Dado</b>				
1	Acid Alkali Resistant Tile	Ivory	Johnson Endura or Equivalent	15 mm thick 300 x 300 mm Ivory Color	Battery Room - height to be as per functional requirement
2	Ceramic tile	Serie Exquisite, Digital Wall (highlighter), Normal, blanco nieve, powerline glossy	Kajaria, Nitco, Somany or Equivalent	9.8 mm thick Glossy Finish sizes as per architect's approval	Bathroom & Pantry, dining
3	Granite			Sierra white, black, Mirror polished	Lobby
4	Granite			Sandwiched platform with kadappa and Mirror polished Black granite.	Wash Basin & Pantry Counter
5	Granite			Sill in Step fashion, non-step stone on all remaining three sides of windows.	All window openings on exterior face; Lift Jams, Toilet door

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SN	Item	Product / Series	Brand	Description	Location
					frames
6	Kota			Mirror polished	Staircase risers
7	False/raised tiles		Untile, Everest or Equivalent		
<b>D</b>	<b>Paint</b>				
1	Interior Pre-finish	cement based putty	JK White, Birla White or Equivalent		Walls of lobby, Control room, office area etc
2	Interior Paint	Acrylic Emulsion	Asian paints / Nerolac / ICI or Equivalent		Walls and ceiling of Lobby, Control room, office area. toilets etc. (other than false ceiling area)
3	Interior Paint	Oil Bound Distemper	Asian paints / Nerolac / ICI or Equivalent		Cable cellars, GIS hall, ACDB, etc. and all other areas not mentioned above.
4	Interior Paint	acid/alkali resistant chlorinated rubber paint	Asian paints / Nerolac / ICI or Equivalent		Battery room, walls ceiling
5	Interior Paint/ Exterior Paint	Plastic Emulsion	Asian paints / Nerolac / ICI or Equivalent		
6	Interior Paint/ Exterior Paint	Synthetic Enamel	Asian paints / Nerolac / Berger/ ICI or Equivalent		
7	Exterior Paint	Exterior Grade Acrylic Emulsion	Asian paints / Nerolac / ICI or Equivalent		All exterior faces and faces directly exposed to weather

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8	Exterior Paint	Cement Based paint	Asian paints / Nerolac / ICI or Equivalent		Compound walls, security chowki etc.
<b>E</b>	<b>Partitions</b>				
1	Gypsum		Saint Gobain Gyproc or Equivalent	Fire rated partition (fire rating as per functional requirement)	As and where required
2	Glass		Saint Gobain, Modi Guard, AIS, HNG or Equivalent	minimum 8mm thk. or more, Toughened, tinted. Panel sizes shall be as per architectural design.	As per architectural design
3	Fire rated Glass partition		Saint Gobain, or Equivalent	45 mins Fire rated Glass partition	Control room
4	Aluminium Sections		Jindal, Hindalco or Equivalent	Partition (powder coated), window, door (anodized). Minimum thickness of section 3 mm.	As per architectural design
5	Laminates		Century, Birla, Permica, Duro		
<b>F</b>	<b>Doors</b>				
1	Fire Door		Shakti Met-Dor, Ahura Mazda or Equivalent (CBRI certified)	2 hour fire rated with panic bar	Staircase, equipment room and as per functional requirement
2	HMPS door		Shakti Met-Dor, Ahura Mazda or Equivalent		Shafts, pump house, equipment room etc.
3	Flush Door		Century Ply, Kitply, Green Ply, Mayur Ply, Asis Ply, Archid Ply or Equivalent	block board 38 mm thick with both side color laminate min. 1 mm thk.	as per architectural design

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4	Automatic Sliding Door		Dorma, Godrej, Enox, Hafele, Ozone Gandhi Automation or Equivalent	Minimum 10 mm thick, toughened glass	Main entry
5	Framed / frameless Glass Door		Saint Gobain, Modi Guard, AIS, HNG or Equivalent	Minimum 10 mm thick, toughened glass	as per architectural design
6	uPVC Door and Frames for Toilets		Sintex		
7	Locks		Godraj		
8	Door Closer		Godraj		
9	Floor Spring		Godraj		
<b>G</b>	<b>Windows, Glazing</b>				
1	Aluminium framed, anodized, operable, fixed, louvered with glass	Jindal Hindalco or Equivalent Saint Gobain, Modi Guard, AIS, HNG or Equivalent	Anodized Aluminium,	minimum 8 mm thk. Toughened glass with minimum 3 mm thk. aluminium section	as per architectural design
2	Window wall Glazing (Semi unitized SGU fixed between rcc / masonry openings)		Frame: Aluminium sections of Jindal Hindalco or Equivalent Glass: Saint Gobain, Modi Guard, AIS, HNG or Equivalent	minimum 8 mm thk. Toughened glass with minimum 3 mm thk. aluminium section	as per architectural design
<b>N</b>	<b>Luminaries</b>				
1	2' x 2' Grid Lighting LED	Skylight	Bajaj, Wipro, Philips or		In False ceiling in office area

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			Equivalent		
2	Circular LED	Dovee Led	Bajaj, Wipro, Philips or Equivalent		In False ceiling in office area
3	LED Tube Light		Bajaj, Wipro, Philips or Equivalent		Other areas
4	LED Street Light		Bajaj, Wipro, Philips or Equivalent		Open space in plot
5	Bollard Light		Bajaj, Wipro, Philips or Equivalent	Landscape LED Lighting	Open space in plot
6	Wall washer	BLWUP 9W LED 112468	Bajaj, Wipro, Philips or Equivalent		Wall washer for entry wall as per functional requirement
<b>P</b>	<b>Electrical Switches, Sockets &amp; Boards</b>				
1	Switch Boards	Roma, Oro, Myrius, White, Ivory	Anchor, Havells, Kona, Legrand, MK Switches or Equivalent		Various locations as per functional requirement
2	Electrical Cable/ Wire		Polycab, Havells, Phinolex		
3	Conduit		AKG, Polycab,		
<b>Q</b>	<b>Plumbing</b>				
1	European WC		Hindware, Parryware		
2	Indian WC		Hindware, Parryware		
3	Urinal		Hindware, Parryware		
4	Flush		Hindware, Parryware		

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5	Wash Basin		Hindware, Parryware		
6	Bib Cock		Hindware, Parryware		
7	Pillar Cock		Hindware, Parryware		
8	Gate Valve		DRP		
9	Health Faucet		Hindware, Parryware		
10	Bottle Trap		Hindware Parryware		
11	Mirror		Saint Gobain, Modi Guard		
12	SS Sank		Nirali		
13	PVC Tank		Sintex, Plasto		
<b>Q</b>	<b>Concrete and Allied</b>				
1	Cement		ACC, Ambuja, Ultra Tech, Birla, Lafarge,		
2	Reinforcement Steel		Tata Tiscon, SAIL, Jindal Steel, Essar Steel, Mittal Steel, Vizag Kamdhenu, Rathi		
3	Structural Steel		Tata Tiscon, SAIL, Jindal Steel, Essar Steel, Mittal Steel, Vizag		
4	RMC		UltraTech, ACC, Lafarge, L&T, Ambuja, Godrej,		



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			RMC India		
5	Water Bar		As per approval of EIC		
6	HDPE Pipe		Prince, Supreme, Finolex, HASTI (Reliance)		
7	CPVC Pipes		Prince, Supreme, Astral, Prakash, Finolex, HASTI (Reliance)		
8	UPVC Pipes		Prince, Supreme, Astral, Prakash,		
9	HDPE Pipes		Prince, Supreme, Astral, Prakash,		
10	PVC Pipe		Prince, Supreme, Astral, Prakash,		
11	GI Pipes		Jinda, SAIL, TATA		
12	CI Pipes		Supreme, Astral		
13	Construction chemicals		Fosroc, BASF, SIKA, Pidilite, CICO, Sunanda or equivalent		
14	Bitumen		HPCL, IOCL, BPCL, ESSAR		
15	Pre-Coated Sheet		Jindal		
16	GI Corrugated Sheets		Tata Blue Scope, Jindal, Bhusan		

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17	Welding rods		ESSAB, Advani, Ador, D&H		
18	Anchor/ Fasteners		Hilti, Bosh, Canon		
19	SS Railing		Jindal		