

Corrigendum

Corrigendum for the additional "List of Approved Makes" for the tender titled "Construction of SCADA Building at Sector-20B, Faridabad," having Tender ID 2026_HBC_524269_1.

-sd/-
Executive Engineer
Civil Works Divn.
DHBVN, Gurugram



5	Cable Glands	
6	Cable Lugs & Thimbles	Dowells/ Commet / Gripwell/ Raychem/HMI
7	Cable Raceway Floor / wall mounted and accessories	Dowells/ Commet /Ascon
8	Cable Tray & Accessories	Schneider/ Legrand / MK (Honeywell)/excel
9	Modular Switch , Socket & Accessories	MEM /BEC/ RM CON/ Indeana/Ralbo Legrand/ Panasonic / Schneider
10	Metal clad Industrial Socket outlet and Sheet Steel Enclosure for MCCB/MCB	Legrand / Hagar / Schneider/ Hensel
11	Distribution boards	Siemens / Schneider / Legrand / LK / ABB
12	Protection (MCB/RCCB/RCBO/ELCB) Device	Siemens / Schneider / Legrand / LK / ABB
13	LED Lighting fixture	Wipro/Polycab/Havells/Bajaj/Philips/Lighting Technologies
14	External Lighting	Wipro/Polycab/Havells/Bajaj/Philips/K-Lite/Lighting Technologies
15	Emergency Lighting / Exit Sign boards	Bajaj/ Prolite/ Glo-Line/ASES
16	Ceiling Fan, Fresh Air Fan, Exhaust fan	Havells/ Crompton/ Usha/ Orient/Polycab/Bajaj
17	Electrical LT Panel	Allied Engineers/Coro Engineers/KEPL/Tricolite/ConQuerent Con Systems/Western Control Automation
18	TTA Panels (IEC 61439 Part-1 &2)	Siemens (Sivacon)/ Schneider(Prisma) / Legrand (XL3 D LK (TI) / ABB (ARTUK)/Eaton (xEnergy)
19	MCCBs	Siemens / Schneider / Legrand / LK / ABB/Eaton
20	ACB(Air Circuit Breaker)	Siemens / Schneider / Legrand / LK / ABB/Eaton
21	Electronic Digital Meters	Schenider / LK/ Secure/ Siem ABB/Elmeasure/Trinity
22	Current transformer /Potential transformer	Entes/ Gilbert & Maxwell/ Pragati/ Precise/L&T/ Kappa/Trinity
23	Indicating Lamps LED type, Push Button	Siemens / Schneider / LK / ABB
24	Power contactor	Siemens / Schneider / Legrand / LK / ABB
25	Surge Protection Devices	Siemens/L&T / Schneider / Legrand/ OBO
26	Selector Switch	Salzer/Seimens/BCH/Kaycee/L&T
27	Auxiliary Relays	Siemens/ L&T / Schneider / Legrand / ABB
28	Paint	Nerolac / Asian / Berger/ICI
29	Lightning Protection System & Earthing	OBO/ Cape Electric/ APS/Indelec
30	G.I. Pipe	Tata, Jindal-Hissar, Prakash Surya
31	Rubber Mat (ISI Marked)	Jyoti / Deep Jyoti/ Premier
32	Fire Alarm System	Notifier/ Johnson Control/ Honeywell Xls-3000/ Apollo ASES
33	Public Address System	Honeywell/ASES/Bosch
34	UPS	Eaton/Vertiv/Schneider
35	Solar System	Waveshapes India Pvt Ltd/Gautam Solar Pvt Ltd/ReNew Power
36	Safety Equipment's	ASS/Fire Hut/Reputed



C	Paint, Primer, Putty & POP	
1	White Cement/Putty	JK White / Birla /Asian/ Walplast
2	Cement Primer	Nerolac/Bp White (Berger)/Decoprime-Wt (Asian)/White Primer (ICI)
3	P.O.P	Gyproc/USG Boral/SHERA/Trimurti Sundarta Ki Pehchan/as approved by EIC
4	Steel Primer (Red Oxide Zinc Chromate Primer& Pink Primers)	Asian Paints, Nerolac, Berger, ICI
5	1st Quality Paint 1. Acrylic Distemper, 2. Acrylic/ Plastic Emulsion , 3. Synthetic Enamel Paint, 4. Acrylic Exterior Paint, 5. Anti-bacterial Paint	Asian Paints/ Dulux / Nerolac/Berger
6	Anti-Fungal paint (For Operation theatre)	Sika by Liquid Plastic/ Viesmann/ SSK/ TRILUX
7	Anti-Carbonation Paints	SIKA, FOSROC, Pidilite Industries Ltd., BASF, Sunanda Specialty Coating Pvt. Ltd./ MAPEI
8	Water proof Cement paints	Snowcem India Ltd., ICI, Asian
9	Textured Paints -Exterior	Acro Paints/ Unistone/ Spectrum/Heritage, Berger Unilite Heritage /Asian Paints
10	Fire Retardant Paint	Nippon Paint/Berger/Asian Paints/Shalimar Paint Viper FRS 881/ Nullifire/ Berger
11	Epoxy Paint or PU paint	Asian Paints/Berger Paints/IWL india Pvt Ltd./ N
12	Wall Rendering	MAPEI
D	Floor Finish	
1	Ceramic Tiles: Ceramic /Glazed ceramic/Antiskid ceramic Tiles/Rectified tiles	Nitco/Kajaria / Somany/RAK/Johnson/Vermora
2	Vitrified Tiles: Vitrified /Glazed Vitrified/Double Charged/ Full body/Antiskid tiles/Rectified tiles	Nitco/Kajaria /Somany/RAK/ Johnson/Vermora

16	Available Headroom	
17	Ceiling	4200 mm
18	Lighting	Stainless steel hairline finish
19	Hand rail type	LED lighting
20	Fan type	Buffer Rail on 2 sides
21	Flooring	Axial In blow 1340m3/h
22	Car Size	Checkered Steel
23	Clear Opening	1700 mm (w) X 2500 mm (d) X 2200 mm (h)
24	Car & landing Doors type	1000 mm (w) X 2000 mm (h) Automatically operated centre opening power doors- without vision panel
25	Car door & landing doors finish	Stainless steel hairline finish
26	Car Wall materials	
27	Rear Panels	Stainless steel hairline finish
28	Side Panels	Stainless steel hairline finish
29	Entrance Panel	Stainless steel hairline finish
30	Car indicator	KDS 300 integrated in COP
31	Car indicator color	Red
32	Car Push Button type	KDS300 Square
33	Car Push Button mounting type	Surface Mounted
34	Car Push button color	Red
35	COP	KDS 300
36	Landing signal Mounting type	Surface Mounted
37	Landing signal Fixing type	In Wall
38	Hall call buttons	KDS300 Square
39		
40	Hall button color	Red
41		
42	FEATURES	Intercom
		Fireman Drive
		Infra Red Light Curtain Door Safety
		KONE Automatic Rescue Device
		Emergency light & alarm
		Load Weighing Device
		OSG electronic switch

ACCEPTABLE MAKES FOR INTERNAL ELECTRICAL INSTALLATION WORKS

S. No.	ITEMS	MAKES
1	MS Conduit (ISI marked) & Accessories	BEC/ AKG / RM CON / Steel KRAFTS
2	PVC Conduit & Accessories	BEC/AKG/Polycab/Indeana
3	PVC / XLPE insulated aluminium / Copper conductor armoured /Enamoured MV Cables up to 1100 V (ISI Marked)	KEI / Polycab / Havells/torrent
4	FRLS PVC insulated copper conductor stranded flexible wires i/c control cables (ISI	KEI / Polycab / havells/finolex



LIST OF APPROVED MAKES -SANITARY WORKS

SI No	Item / Material	Make
1	Sanitary ware & CP Fittings	Hindware / Jaquar/ Parryware/ Roca
2	CP Fittings	Hindware / Jaquar/ Parryware/ Roca
3	SS Sink	Jayna / Nirala/ Hindware/ Nilkanth
4	Geysar	AO Smith/ Jaquar/ Venus
5	Drinking Water cooler	Bluestar/ Usha/ Voltas
6	WC Pan Connector	Mcalpine/ Supreme/ Astral/ AKG

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	Supreme/ Ashirwad/ Astral/ AKG
13	CPVC Pipes & Fittings	Supreme / Ashirwad/ Astral/ AKG
14	Stainless Steel Grating	Jayna/ Neer / Chilly
15	CI Pipes	Neco/ Hepco/ SKF
16	Channel Grating	Jayna/ Neer / Chilly
17	uPVC Floor Trap	Supreme / Ashirwad/ Astral/ AKG
18	uPVC Floor Drain	Supreme / Ashirwad/ Astral/ AKG
19	uPVC Multi Trap	Supreme / Ashirwad/ Astral/ AKG
20	Air Release Valve	Sant / Zoloto/ Lehry
21	SW Gully Trap	Anand



5	Polysulphide Sealant	Pidilite/Fosroc/Basf/IWL india Pvt Ltd./ Sika/ STP/ MAPEI
6	Fire Seal	Sealz. Alstroflam/ Abacus
7	Fire Sealant	Birla/ 3M/ Hilti
8	Non-Shrink Grout: /Micro concrete	Fosroc / Sikka/Pidilite or equivalent/ MAPEI
9	Grouting Compound	Bal Endura/ Pidilite/ Laticrete/ Unitile
10	PVC Water Stop Bars	Fixopan, BASF, Fosroc, Syntex
K.3 Waterproofing		
1	Cement Admixture & Curing Compound/ Plasticizer	Pidilite/Fosroc/Basf/IWL india Pvt Ltd./ Sika/ Cico/MAPEI/Kerakoll
2	Waterproofing membranes	Pidilite/Fosroc/Basf/IWL india Pvt Ltd./ Sika/ Cico/MAPEI
3	Damp Proof Material	Ardex Endura, Impermo, Duraseal, STP Ltd.
4	Tarfelt	MAK, Bengal Bitumen, Rishub Petrochemical

K.4 Anti-termite		
1	Anti-termite Paint	Nocil/Pyramid/Trisul/Montari Industries
2	Anti-Termite Chemical & Wood Preservatives	Thiodon, De-nocil, Bayer, Vam Organic, NOCIL, Hindustan Insecticides, Roffe Construction Chemicals/ Gibraltor/Basf. It should be done by permanent members of IPCA as approved by Engineer-in-Charge.
K.5 Additives		
1	Floor Hardener	Fosroc/Pidilite / SIKA/ Fairmate / BASF/Ardex Endura
K.6 Steel Accessories		
1	Fasteners	Fischer/Hilti/Bosch/Canon
2	HSFG Bolts	Unbrako Precision, Panchsheel Fasteners, Laxmi Precision Fasteners
3	Stainless Steel Clamps	Hilti /Bosch/Fischer/Intellotech Konzept or equivalent
4	Self-Taping Screws	Hilti, Landmark
5	Welding Rod/ Electrodes	ESAB Ferro Speed plus, D&H Norma , Advani-Orlikon, Weld Alloy, Lincoln Industries Ltd., BASF.
K.7 Insulation		



H	Doors/Windows (Metal & Misc.)	
a	Aluminium	
1	Aluminium Extruded Profiles	
2	Aluminium Fabricator	Hindalco/ Jindal/Indal
b	Miscellaneous Doors	AGV fenestration pvt. Ltd., Alufit, Windroz, CEC, Fenesta
1	Fire Doors	Navair International Pvt. Ltd./ Godrej/Kutty/Shakti Hormann
2	Lead lined door	Navair International Pvt. Ltd./Leadlined toughwood/ Weatherline
3	RF Shielded Door	ETS Lindgern/ Synchrony Agency/ Huaming EMC India
c	Accessories	
1	Window Turn Handles, Friction Hinges	Ipsa, Dorma, Ebco, Dorma, Hettich, Geze, Kich
2	1. SS Handles, 2. Tower Bolts, 3. Hinges, Aldrop, 4. Floor Stopper, 5. Casement Stay, 6. Safety Chain, 7. Magnetic Door Catcher, 8. Magic Eye, 9. Drawer Glides, 10. Panic Bar/ Push Bar, etc.	Hafele/ Dorma/ Geze/ Hettich/ Kich/Dorset
3	Floor Spring, Patch Fittings For Frameless Doors	Dorma/Hettich/Dorset/Geze/Kich/Hafele
4	Stainless Steel Fire Rated Hardware	Dorma,Geze,Hafele
5	SS Railing/ SS Glass Railing (SS AISI 304 Grade/ SS AISI 316 Grade)	Kich/Ozone
6	Fire door accessories	Briton, Hettich, Geze
7	Door closer	Hardwyn/Godrej/ Dorma/Doorking/Everite/Kitch



4	Vinyl	Tarkett Floors / LG Floors / Gerflor / Premier Vinyl flooring / Regent / Armstrong
5	Epoxy Flooring	FOSROC, SIKA, Pidilite Industries Ltd., Dr. Beck/Flamafloor, CIBA, HindCon Chemicals Ltd., ICI Dulux/Nerolac / Cico / Sikka / BASF / Berger / MAPEI
6	Exposed brick/Brick Pavers	Jay Jalaram Bricks/Pioneer Bricks/Jindal Mechano Bricks
7	Precast cement concrete Paver blocks / Tiles (All Types)	KK / Uni Stone Products (India) Pvt. Ltd/ Hindustan Tiles/ NITCO/Dura Crete/Basant Beton/Astana
8	Epoxy Terrazo Flooring	MAPEI, NITCO tile
9	Self Levelling Compound	MAPEI
10	Wooden Flooring (Laminates/Engineered wood etc.)	Merino/Pergo/Floor Pan/Wood Brew
E	Roof	
1	Sandwich Puff Panel	JSW/SINTEX or equivalent
2	Pre-coated Galvanized Steel Sheet	Tata Steel/ JSW/Tata Bluescope
F	Ceiling & Panelling	
1	Gypsum board/tile	USG Boral/Shera/Gyproc/India Gypsum/Saint Gobain/Lafarge
2	Calcium Silicate Boards/Tiles	Usg Boral/Shera/Gyproc/ Hilux (Ramco Industries Ltd.)/Aerolite
3	Metal Ceiling (Clip-In and Lay-In)	Armstrong/ Ecotone/Usg Boral
4	Open Cell Ceiling-Metal	Armstrong/Usg Boral/Hunter Douglas
5	Acoustic False Ceiling	Armstrong/ Ecophon/ Top acoustic/ Knauf/Anutone
6	Acoustic Wall Panel	Hera design/ Anutone/ Knauf/Tectum/Ferrari/Barisol/wall track
7	Extruded Polystyrene Board	Styrofoam by DOW Chemicals / Insuboard by Supreme Industries
8	Sound Isolation for roof	Magnum/Anutone/Win Win
G	Wood Work	
1	Block Board & Plywood	Duroply Industries Ltd., Green Ply, Century ply, Merinolam
2	MDF	Duro, Green ply, Century Ply
3	Decorative Laminate	Formica/ Greenlam/ Merinolam/Duro/ Ventura/Century ply
4	Natural Wood Veener	Century ply, Ventura, Greenlam, Duro, Green ply
5	Flush Door	Centuryply, Duro, Archid, Greenply, Greenlam



47	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

FIRE FIGHTING

APPROVED MAKES OF MATERIALS FOR FIRE



S.No	Materials	Brand
1	MS Pipes	SURYA ROSNI / JINDAL HISSAR
2(a)	Forged Steel Fittings	JSI / VS FORGE

(b)	Butt Welded Fittings	JSI / VS FORGE
3.	Gunmetal Ball Valves	ZOLOTO / SANT / KARTAR
4.	C.I. Double flanged sluice Valves & check valves	ZOLOTO / SANT / KARTAR
5.	Slim Seal Butterfly Valve, Gate Valve, Air Release valve	ZOLOTO / SANT / KARTAR
6.	Dual/Disk type Non Return Valves	ZOLOTO / SANT / KARTAR
7.	Fire Hydrant Valves, Branch pipe & Fire man Axe.	EXFLAME / NEWAGE / KALPEX
8.	Fire Aid Fire Hose Reels	EXFLAME / NEWAGE / KALPEX
9.	RRL Hose Pipe	EXFLAME / NEWAGE / KALPEX

10.	Sprinkler Head & Flexible drop	TYCO / HD / OMAX
11.	Fire Pumps	KIRLOSKER / CROMTON GRIVES / MATHER+PLATT
12.	Motors	KIRLOSKAR / SIEMENS
13.	Electrical Switch Gear	L&T / SIEMENS
14.	CABLES	SKY TONE/ FINOLEX/ NATIONAL
15.	Flow Meter	SANT/ KENT
16.	Suction Strainer	DASMESH/ SANT/ ZOLOTO
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 / TAC Approved
		KIRLOSKAR /CUMMINS
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
27.	Pressure Gauge	H.GURU/FIEBIG
28.	Battery	EXIDE/ PRESTOLITE
29.	Fire Extinguisher	EXFLAME / NEWAGE / KALPEX



LIST OF APPROVED HVAC MAKES

MATERIAL/EQUIPMENT	APPROVED MAKE
Air handling Units /treated fresh air units	Edgetech /Citizen/ ZECO/ Stulz/ VTS/ System Air/Flaktwood
Air Washer	Edgetech /Citizen/ ZECO/ Stulz/ VTS/ Carryaire/ Zair/ Airflow
Air Separator	Xylem / Emerald/ Anergy /Armstrong/ Grundfos
Al. Sheets	Hindalco / Balco / Nalco
Aluminium tape	Johnson/Birla-3M/Nippon Industries
Anchor/Fastener	Hilti/Fisher/MUPRO
Auto Air Vent	Anergy/Rapid Control/Sant Industries /Honeywell
Balancing Valves	Johnson Controls / Belimo/Honeywell/Siemens/ Advance /Audco/ Danfoss
Ball Valves set with &without Y.	Honeywell/ Zoloto /Sant/ Advance/ Emerald / Rapid control/ BAP
Strainer For FCU	
Butterfly Valves	Audco/Advance/Honeywell/Sant/ C & R / Kirlosker
Ball Valve	Audco/Advance/Honeywell/Sant/Emerald/Zoloto/Leader/Sant
Cabinet Fans	Systemair/Kruger/Greenheck/ Nicotra/ Maico
Centrifugal Fans for ventilation/AHUs/ Airwasher	Systemair /Kruger/Greenheck/ Nicotra
Celdek Pad	DRI / Humidin/ Munters
Check Valves	Audco/Advance/Honeywell/Sant/ SKS / Zoloto
Closed / Open Cell Nitrile rubber insulation/ EPDM insulation	Armacell / K- Flex/ A-Flex/ ALP aeroflex/ Supreme
Closed Expansion Tank	Xylem/Armstrong /Emerald /Anergy
FLRS Cables	As per Electrical Section make list
Differential Pressure Switch (Water)	Johnson Control/Honeywell/ Siemens/ Indfoss
DX units and VRF	Voltas/Hitachi/Carrier/Panasonic/Blue star/Daikin/Mitsubishi Electric



58	Actuation Hoses	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
59	Manifold Check valves	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
60	Nozzles	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
61	Low Pressure switch	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
62	Nitrogen Pilot cylinder and valve assembly & Pressure gauge	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
63	Discharge Pressure switch	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
64	Seamless pipe for clean agent	Indian Seamless/ Maharashtra Seamless
65	Gas release panel with programmable module & built in listed power supply	Nottifer/ fenwal/ Simples/ Synergy/ Honeywell/ Bosch/ ravel
66	Dual action manual release station	Nottifer/ fenwal/ Simples/ Synergy/ Honeywell/ Bosch/ ravel
67	Dead man type abort switch	Nottifer/ fenwal/ Simples/ Synergy/ Honeywell/ Bosch/ ravel
68	Circuit integrity cables for fire alarm, voice evacuation, suppression,hssd	Polycab/ Varsha Cables / RR kable
69	Lugs & Glands	As per electrical tender



List of Preferred Makes for Civil Works

CIVIL WORKS		
S.No.	Item Description	Make/Brand
A	Cement & Steel	
1	Cement (OPC/PPC/ Portland Slag)	ACC/Ambuja/Ultra Tech/JK/ BIRLA CHETAK, BIRLA UTTAM/ JP
2	Batch Mix Concrete (BMC) / Ready Mix Concrete (RMC)	Ultratech, Lafarge, ACC, RMC India Or The contractor to install his own computerized batching plant of suitable capacity and arrange for Transit Mixers, pumps etc. as per approval of Engineer – In-Charge. Or The RMC shall be procured from the source as approved by Engineer – in Charge. RMC Producing plants of the main Cement producers shall be preferred
3	Reinforcement Steel (TMT Fe 500d/550/550d)	Sail/Tata Steel/Jindal Steel/ RINL/ IISCO
4	Structural Hollow Steels sections/ Tubular section	Tata Steel/JSW/SAIL
5	Rolled Steel sections - beams, Channels, tee, flats, angles, bars (Round, square, hexagonal, bright), etc.	TISCO, SAIL, RINL, IISCO, JSW, JSPL
6	Stone Rubbles & Gravels Approved quarry from (Hard black trap stone)	As approved by EIC
7	Cover /Spacer Block	Conbextra as manufactured by M/s Fosroc Chemicals India Ltd. or equivalent
B	Wall	
1	Exposed Brick Wall	Jay Jalaram Bricks/Pioneer Bricks/Jindal Mechano Bricks
2	AAC Block	Ambuja Cements AAC, Renacon AAC Block, Magicrete AAC Block, Biltech AAC Block, JK Lakshmi AAC Block, Finecrete AAC Block



22	Car Size	
23	Clear Opening	1600 mm (w) X 1500 mm (d) X 2200 mm (h)
24	Car & landing Doors type	1000 mm (w) X 2000 mm (h) Automatically operated centre opening power doors- without vision panel
25	Car door & landing doors finish	Stainless steel hairline finish
26	Car Wall materials	
27	Rear Panels	Stainless steel hairline finish
28	Side Panels	Stainless steel hairline finish
29	Entrance Panel	Stainless steel hairline finish
30	Car indicator	KDS 90 integrated in COP
31	Car indicator color	White
32	Car Push Button type	KDS300 Square
33	Car Push Button mounting type	Surface Mounted
34	Car Push button color	White
35	COP	KDS 90 Full Height
36	Landing signal Mounting type	Surface Mounted
37	Landing signal Fixing type	In Wall
38	Hall call buttons	KDS93 Round
39	Hall button color	White
40	FEATURES	Intercom Fireman Drive Infra Red Light Curtain Door Safety KONE Automatic Rescue Device Emergency light & alarm Load Weighing Device OSG electronic switch Fire rating of 2 hrs for landing doors

Goods Lift :

SI No	Reference	Goods elevator
1	Model	Stainless steel hairline finish
2	Persons	N/A
3	Elevator Type	MRL
4	Machine	Gearless Machine
5	Location of Machine room	N/A
6	Drive	Variable Voltage Variable Frequency, full collective
7	Control	Simplex
8	Capacity	2000 Kg
9	Speed	0.5 mps
10	Stops	7
11	Openings	8
12	Serving Floors	Basement + Ground floor + 1st to 5th floor
13	Travel	27 m
14	Available Well	2975 (W) x 2550 (D)
15	Required Pit Depth	1800 mm



P/B/C Valves	Johnson Controls /Siemens/Belimo/ Honeywell
Plug Fans	Ziehl Abegg/Kruger/Nicotra/Greenheck/Systemair
Pot/Y-Strainers	Advance/Honeywell/Emerald/ SANT
Precision AC	Emerson/FläktGroup/ Stulz / Schnider / Bluebox
Pressure Gauge	Fiebig/H.Guru/ Anergy /Emerald
Pressure Relief Dampers	Trox/Systemair / Cosmos/ Caryaire/ RUSKIN
Pressurization Unit	Xylem/Armstrong/Emerald/ Anergy
Propeller Fans	Kruger/Greenheck/Crompton/ Orient/ Nicotra/ Maico
Puff pipe support	Malanpur/Lloyd /Beardsell
PVC Eliminators	Munters/BKBextrusions/D.P. Engineers/Enviro Tech
PVC Pipes	Finolex/ Prince/ Supreme/ Ashirwad /Astral
Refrigerant Piping	Mandev / Mexflow / Rajco
Rock Wool insulation	Roxul-Rockwool/Rockwool India/Lloyd insulation/Owens corning
Spiral Round/Oval ducts	GPSpira/Dustech/Spiral Tubes/Asawa
Split/Window AC	Carrier/Daikin/Hitachi/Mitsubishi/Voltas/ LG
Star bond/Lag Protective Coating	Paramount polytreat/Pidilite
Thermometers	Fiebig/H.Guru/Emerald/ Anergy
Tube Axial flow Fans	Kruger/Greenheck/Systemair/ Maico
'TF' Quality expanded polystyrene	Beardsell/Styrene/Toshiba
Ultrasonic/Electromagnetic Flow meter	ABB / Siemens / Emerson
Ultrasonic Humidifier	Carel/Das pass/ Rapid cool/ Stulz
UV lamp	ALFAA UV/ Aeropure/ Sanuvox/ Ruks engineers ltd / Honeywell / Trane / Bonphul/ UVHEAL



22	SS Pipe	Jindal/ VSH/ Tata
23	GI Pipes as per IS:1239	Surya Prakash/ Jindal hissar/ Tata/ APL Apollo
24	GI Fittings (Malleable Cast Iron) as per IS:1879	Zoloto / Sant/ Surya Prakash
25	Cables	Polycab/ Sky tone / Finolex
26	RCC Pipes	Om spun Pipes/ Indian Hume Pipe/ Jain Spun pipes/ Shri Balaji Spun Pipe
26	HDPE DWC Pipe	Astral/ Prince/ Supreme
27	S.F.R.C. Manhole covers	Om Spun pipe/ KK Manhole / BRHC
28	CI Manhole covers	NECO / KK / Bengal Iron Corporation
29	Ductile Iron pipe	Jindal Saw Ltd/ Electro steel/ Tata
30	DI Fittings	Electro steel/ Kejriwal/ Jai Balaji (Supra)
31	PVC encapsulated Foot rest	KK Manhole / KGM / Bentex
32	Pumps	Xylem / Lubi / Ground foss
33	Heat Pump	AO Smith/ benchmark/ Suntec
34	Filter & Softener	Pentair/ Ion exchange/ Thermax
35	Chemical Dosing Pumps/Tanks	Toshcon/ ASIA LMI/Edose
36	Level Controller / Lvel Sensor	AIP /Danfoss / Flow line
37	Pressure Gauge	H Guru/ Fiebig/ Emerald
38	Strainer	Sant / Zoloto/ Lehry
39	Pressure Switch	L&T/ Johnson/ Honeywell
40	Fire Sealant/ Fire Reterdant paint	3M/ Hilti/ Powers
41	Pipe Support & Clamps	Chilly/ Euroclamp/ Easyflex
42	Pipe Hangers	Gripple/ Hitech/ Om Fasteners
43	Paints	Asian paints/ Berger / Shalimar Paints
44	Welding rods & Electrodes	Ador/ Cosmos/ Prima (S)
45	Fastener	Fisher/ Hilti/ Mungo
46	Vibration Eliminator	Resistoflox, Noida/ Dwren - Calcutta



1	Thermal Insulation/ Rockwool / Glass Wool/ Mineral Wool/ Puf	Twiga/Polyglass/Owens Corning
K.8	Expansion Joint	
1	Expansion Joint Board/Shalitex Board	Supreme Industries, SIL FILL or Equivalent/ MAPEI
L	Road Works	
1	Stone Rubbles & Gravels Approved quarry from (Hard black trap stone)	As approved by EIC
2	Bitumen	IOC, HPCL, BPCL, Tiki Tar Industries/ Juno Bitumix Pvt. Ltd
M	Misc	
1	Crash Guard/ Corner Guard	MDD/TSI/LSR/Radius
2	Blinds	Vista/Decorex/Elegant Décor
3	SFRC / RCC Manhole Covers/ Perfect RCC Grating	KK Manholes / SK Precast Concrete/ Advent concreteovision / Daya concrete
4	Terracotta Jaali	Jindal/Nuvcotto/Mahaluxmi BMF Industries Pvt. Ltd.
5	Mud Bricks	Hanuman Contractor/Awdhesh Singh Civil Contractor/Mahendra Singh Civil Contractor
6	False Floor	Pallium Marketing Pvt. Ltd/Hewetson/Tate



LIST OF APPROVED MAKES for lifts : Johnson/Kone/Otis

Passenger Lifts:

Sl No	Reference	Passenger elevators - Option 1
1	Model	Stainless steel hairline finish with SS Doors
2	Persons	15
3	Elevator Type	MRL
4	Machine	Gearless Machine
5	Location of Machine room	N/A
6	Drive	Variable Voltage Variable Frequency, full collective
7	Control	Duplex
8	Capacity	1020 Kg
9	Speed	1 mps
10	Stops	6
11	Openings	6
12	Serving Floors	Ground floor + 1st to 5th floor
13	Travel	22.5 m
14	Available Well	2500 (W) x 2000 (D)
15	Required Pit Depth	1600 mm
16	Available Headroom	4200 mm
17	Ceiling	Stainless steel hairline finish
18	Lighting	LED lighting
19	Hand rail type	HR64S-Round tubular-Dia 38mm-Silver Hairline SS on 3 sides
20	Fan type	Radial In blow 270m ³ /h
21	Flooring	KONE to provide 20 mm recess



Sl No	Item / Material	Make
1	Sanitary ware & CP Fittings	Hindware / Jaquar/ Parryware/ Roca
2	CP Fittings	Hindware / Jaquar/ Parryware/ Roca
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/ AKG

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	Supreme/ Ashirwad/ Astral/ AKG
13	CPVC Pipes & Fittings	Supreme / Ashirwad/ Astral/ AKG
14	Stainless Steel Grating	Jayna/ Neer / Chilly
15	CI Pipes	Neco/ Hepco/ SKF
16	Channel Grating	Jayna/ Neer / Chilly
17	uPVC Floor Trap	Supreme / Ashirwad/ Astral/ AKG
18	uPVC Floor Drain	Supreme / Ashirwad/ Astral/ AKG
19	uPVC Multi Trap	Supreme / Ashirwad/ Astral/ AKG
20	Air Release Valve	Sant / Zoloto/ Lehry
21	SW Gully Trap	Anand



8	Neutron Shielded Door	Ray-Ban Engg corp/A-Fabco In/A7L shielding INC/Accurate Radiation Shielding
9	Modular Grab bars and Disabled Hardware	Dorma /D-line/Kich
1	Glass/Mirror	

1	Hermetically-Sealed Double Insulated Glass	Saint Gobain/Ais Asahi India Glass Ltd./Gsc Trutuf
2	Clear Float Glass/ Toughened Glass/ Frosted Glass	Saintgobain /Ais Asahi India Glass Ltd/ Modiguard
3	Structural Glazing/ Spider Glazing	Dorma/Kalco/Consolidated Group/Alumax India/Domal
4	Glass Film	3M, Llumar
5	Mirror	Saintgobain /Ais Asahi India Glass Ltd/ Modiguard
J	Elevation/External Facade Work	
1	ACP Panels	Alucobong/Alstrong/Aludecor/Alstone
2	GRC Jali	Unistone/ Kuber Fibrostone/Everest Composites/ Bi white
K.1	Adhesive/release agent etc	
1	AAC Block Adhesive	Pidilite/Ferrouscrete/Laticrete/Kerakoll
2	Glue/ Adhesives for Woodwork	Fevicol/Dunlop/Vemicol/ Araldite
3	Release Agent	FOSROC, Pidilite Industries Ltd., BASF, Sunanda Specialty Coating Pvt. Ltd., M/s Adoadditives Technologies Pvt. Ltd.
2	Tile Adhesives	Laticrete/Roffe/Pidilite/Kitcol/Araldite/ MAPEI/Kerakoll
K.2	Sealants	
1	Silicon sealants /Weather Sealant / Structural Glazing Sealant	GE- Silicon / Pidilite / Forsoc / Cico /Dow Cornir /Sika/ Wacker/ Becker/ MAPEI
2	Epoxy Grout	Laticrete/Roffe/Pidilite/Kitcol/Araldite/ MAPEI/Kerakoll
3	Silicone Spray	GE- Silicon / Pidilite / Forsoc / Cico /Dow Corni /Sika/ Wacker/ Becker



ELV ELECTRICAL INSTALLATION WORKS

S. No.	ITEMS	MAKES
1	Camera/ NVR	Honeywell/Tyco/panasonic
2	Hard Disk	SEAGATE/WD/KINGSTON
3	LED Display Monitor	SAMSUNG/LG/PHILIPS
4	POE Switches	CISCO/ARUBA/JUNIPER
5	IT Passive Components	DLINK/MOLEX/COMMSCOPE
6	IT Racks	DYNAMIC/MTS/DIGITEK
7	EPBAX	MATRIX/CISCO/TADIRAN
8	Analogue phone	BEETEL/REPUTED
9	Krone Box	ITL / Krone / MALSON
10	Access Door Controller	Tyco softwarehouse/Honeywell Temaline/DDS
11	Smart card readers	HID/SUPREMA
12	Recessed/Surface Electromagnetic Locks	mounted Ebelco/Algatech/Bel
13	Server	DELL/HP/LENOVO



Wet Scrubber	Trion/ Ryd Air/Humidin/ ESPAIR/ ZECO/ Edgetech/Zair
EC Fan	Ziehl Abegg/ Rosenberg /Ebm-papst
Expansion Bellows/Vibration Isolators/ Duct Flexile Connections	Resistoflex/Kanwal (Easyflex)/Cori
Fan coil Units	Edgetech/ Citizen/ Zeco/ Midea/ Bhutoria/ Kubic/ Cruise / Trane
Filters (Pre)	Dyna Filters/American Air Filter/Camfil/Thermodyne
Flexible Duct	Twiga/Ruskin Titus/Atco/Kimmco / Sevenstar
Flow switch	Rapid cool/Siemens/Anergy/Honeywell/Danfoss
FRP Material	Reichhold/Equivalent
Fiber glass insulation	Owens coming/ U.P. Twiga
Fire Paint	Flame bar/ AMEETUFF /3M/Promat, Cischem
G.I. Pipes	SAIL/Tata/Jindal/QST
G.I. Sheets	Sail/Tata/Jindal/Bhusan
Grills/ Diffusers/ Fire Dampers/ Louvers/ Volume Control Dampers/ Back Draft Dampers	Systemair/Caryaire/Cosmos/Trox/ Greenheck/ RUSKIN
GSS Factory Fabricated Ducts/ Duct Flanges	Zeco/ Ductofab/ Asawa / Dustech/ Waves aircon/GP Spira
Inline Fans	Systemair /Kruger/Greenheck / Nicotra/ Maico
M.S. Pipes	SAIL/Tata/Jindal/QST
M.S. Sheets	Sail/Tata/Jindal
Motorized Actuator for Valves & Damper	Johnson Controls / Belimo/Honeywell/Siemens
Motorized Butterfly valves	Audco/Advance/Honeywell/ Belimo
Motors	ABB/Siemens/CGL/Bharat Bijlee
Ozone Generator	Ultra fresh/Eltech/Omniscient/Chemotronic / Oz Air



30	Enamel paint	ASIAN / NEROLAC / BERGER
31	Annunciation panel	SAFEWAY / AGNI
32	Alarm Valve	MATTER & PALET / HD
33	Contactora	L & T / SIEMENS
34	Trimbles/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/ JENSIAN/ NICHOLSON
41	Weld Electrodes	ADVANI/ESAB/VICTOR

42	Pipe Hangers	CHILLY / BUILD TECH
43	Clean Agent based Fire suppression (FK-5112)	Viking Minimax (Germany)/ sevo/ Siemens/ Honeywell/ Corpusa
44	Installation Control Valve	HD Fire/ Tyco
45	Test assembly	HD Fire/ Tyco
46	Thermal insulation for Exhaust Pipe	UP Twiga/ Lloyd Insulation/ Kimmco
47	Underground Pipe protection Wrap	Pypcote/ Tapex/ Rustfire
48	Ductile iron Pipe	Electro steel/ Neco/ Ianco
49	Welding rods	Advani/ L&T/ ESAB/ Ador
50	Tamper switch for Sluice valve	Honeywell/ Potter/ rapid
51	Footvalve with Strainer	Kirloskar/ Normex/ Kartar
52	Air Vessel	Nema/ Zenith / Equivalent
53	Flow Test metre	Viking/ Newage/ Eureka Forbes
54	EWlectrical Actuator	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
55	Manual Actuator	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
56	Pneumatic Actuator	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax
57	Discharge Hoses	Ansul/ tyco/ UTC/ Siemens/ Honeywell/ Viking/ Minimax



22	SS Pipe	Jindal/ VSH/ Tata
23	GI Pipes as per IS:1239	Surya Prakash/ Jindal hissar/ Tata/ APL Apollo
24	GI Fittings (Malleable Cast Iron) as per IS:1879	Zoloto / Sant/ Surya Prakash
25	Cables	Polycab/ Sky tone / Finolex
26	RCC Pipes	Om spun Pipes/ Indian Hume Pipe/ Jain Spun pipes/ Shri Balaji Spun Pipe
26	HDPE DWC Pipe	Astral/ Prince/ Supreme
27	S.F.R.C. Manhole covers	Om Spun pipe/ KK Manhole / BRHC
28	CI Manhole covers	NECO / KK / Bengal Iron Corporation
29	Ductile Iron pipe	Jindal Saw Ltd/ Electro steel/ Tata
30	DI Fittings	Electro steel/ Kejriwal/ Jai Balaji (Supra)
31	PVC encapsulated Foot rest	KK Manhole / KGM / Bentex
32	Pumps	Xylem / Lubi / Ground foss
33	Heat Pump	AO Smith/ benchmark/ Suntec
34	Filter & Softener	Pentair/ Ion exchange/ Thermax
35	Chemical Dosing Pumps/Tanks	Toshcon/ ASIA LMI/Edose
36	Level Controller / Lvel Sensor	AIP /Danfoss / Flow line
37	Pressure Gauge	H Guru/ Fiebig/ Emerald
38	Strainer	Sant / Zoloto/ Lehry
39	Pressure Switch	L&T/ Johnson/ Honeywell
40	Fire Sealant/ Fire Reterdant paint	3M/ Hilti/ Powers
41	Pipe Support & Clamps	Chilly/ Euroclamp/ Easyflex
42	Pipe Hangers	Gripple/ Hitech/ Om Fasteners
43	Paints	Asian paints/ Berger / Shalimar Paints
44	Welding rods & Electrodes	Ador/ Cosmos/ Prima (S)
45	Fastener	Fisher/ Hilti/ Mungo
46	Vibration Eliminator	Resistoflox, Noida/ Dwren - Calcutta



7	Automatic Sliding door	Dormakaba/Clione
8	Polycarbonate sheet	DPI



UVGI	ALFAA UV/ Aeropure/ Sanuvox/ Ruks engineers ltd / Honeywell / Trane / Bonphul/ UVHEAL
Variable frequency drive	ABB/Danfoss/Siemens/ Schneider
VAV/ CAV	Trox/Trane/JohnsonControls / Honeywell / Systemair/ Cosmos
Flexible Coupling	Victaulic/Tyco
Welding Rods	Advani/L&T/ESAB
2-way/3-way Modulating Valves and Thermostat	Johnson Controls/Siemens/Honeywell/ Belimo
Active/ passive Harmonic filter for VFD	L&T/ EPCOS/ Schneider / Danfoss / ABB



7	Automatic Sliding door	Dormakaba/Ozone
8	Polycarbonate sheet	DPI



3

Heat Resistant Tiles

Thermatek or equivalent/ Johnson/Vermora/RAK

