

**December 05, 2019**

**Corrigendum – 01**

**Sub: Corrections and clarifications**

<b>E-Tender Reference No.</b>	<b>EXIM/RFP/2019-20/058</b>
<b>E-Tender For:</b>	<b>Renovation of the UTI Bandra Flats</b>
<b>Subject</b>	<b>Revision in Financial BID (Tender/ Bill of Quantities):</b>

**Financial BID (Tender/ Bill of Quantities):**

<b>Sr. No</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
	<b>Doors Frame &amp; Shutters</b>				
<b>1.</b>	Solid Door: Providing and fixing 38mm thick Solid Core Flush shutter made out of 35mm flush shutter with TW lipping around finished with 1mm thick Laminate finished on both sides, with grooves as shown with beech wood beading. Shutter edges to be finished in melamine polish. All the doors shall be Complete as per drawing including Mortice Handle with lock, tower bolt, heavy duty magnetic stopper, heavy duty 4 nos hinges and all necessary hardware.				
	<b>Type - 3' 0" x 7' 0"</b>	<b>26.00</b>	<b>Nos.</b>		
	<b>Type - 3' 0" x 7' 0"</b>	<b>104.00</b>	<b>Nos.</b>		
<b>2.</b>	Main Solid Veneer Door: Providing and fixing 38mm thick Solid Core Flush shutter made out of 35mm				

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	flush shutter with TW lipping around finished with 1mm thk Laminate both sides, with grooves as shown with beechwood beading. Shutter edges to be Mellamine polish with matching color. All the doors shall be 10mm above the finished floor level as directed. Complete as per drawing including hardware Night Latch, Fix Handle with Dead lock, Heavy duty Altdorp, tower bolt, heavy duty magnetic stopper, heavy duty 4 nos hinges and all necessary hardware.				
	Type - 3' 3" / 3'-6" x 7' 0"	26.00	Nos.		
3.	Teak wood 1st quality section: 5" x 3" for door frames completed with match Mellamine polish of Doors.				
	Type - 3' 3" x 7' 0"	26.00	Nos.		
	Type - 3' 0" x 7' 0"	130.00	Nos.		
	Type - 2' 6" x 7' 0"	1	Nos.		
	<b>MISCELLANEOUS WORKS</b>				
1.	Providing and applying Spectrum Textured Paint of "Spectrum" make or equivalent of "spray bubble coat compact" shade as per drawings/ directions & manufacture's specifications including two coats of emulsion painting over the texture	1	Sft.		
2.	Providing and painting of ceiling with 3 coats of Acrylic Emulsion paint of approved shade & make on wall/plywood/gypboard etc.,	18,200.00	Sft.		

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	including all necessary surface preparation. The ceiling area shall be cleaned, filled & applied with 2 coats of primer so as to achieve an even surface to apply paint.				
3.	Providing and painting of wall with 3 coats of Plastic paint of approved shade & make on wall/plywood/gypboard etc., including all necessary surface preparation. The wall shall be cleaned, filled & applied with 2 coats of primer so as to achieve an even surface to apply paint.	65,000.00	Sft.		
4.	Providing and Painting of wall with 3 coats of Enamel paint of approved shade & make etc., including all necessary surface preparation. The applying surface shall be cleaned, filled & applied with 2 coats of primer so as achieve an even surface to apply paint.	5,200.00	Sft.		
5.	Mirror: Providing and fixing 6mm thick mirror " Modifloat or equivalent" with 6mm marine plywood backing and bw lipping 1/2" x 1/4" as shown in the drawing	260.00	Sft.		
6.	Aluminum Windows: Providing and fixing Aluminium Windows anodized with sliding windows glass panels / fix panel as per design and site conditions.	2,100.00	Sft.		
7.	<b>Safety Grill:</b> Providing and fixing Safety MS 12mm square rod grill @	3,500.00	Sft.		

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	9" x 9" centre to centre as per design for the external windows with red oxide paint.				
8.	<b>POP Punning Patra finish:</b> Providing and applying average 4mm to 6mm thick Punning, Providing and Applying average 4 to 6mm thick pop punning on walls in right angles, plumb, line & level including watering, cleaning, scaffolding etc. complete as per design and as directed by designer including applying bond coat & making good grooves made for concealed services. (As per manufacturers specifications)	18500	Sft.		
9.	<b>Pelmet :</b> Providing and fixing Pelmet in plywood of 8" x 6" near the windows for the blinds	1.	Rft		
	<b>CIVIL WORKS:</b>				
1.	Providing and constructing <b>Brick masonry 230 mm</b> and above in superstructure including pillars at all levels and heights, with approved quality well burnt table moulded bricks of minimum crushing strength 50 kgs./sqcm i CM 1:6 proportion including the cost of all materials, labour, soaking bricks, staging, platform, curing, cost of building in holdfasts, providing holes etc. complete	200.00	160.00		
2.	Providing and constructing <b>Brickwork in partitions 115mm thk.</b>	1.	Sft.		

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	with approved quality well burnt table moulded bricks of minimum crushing strength 50Kgs/Sqcm in CM 1:4 proportion for walls upto 115 mm thickness at all levels and heights including cost of providing fabricating and placing in position 2 nos of 6mm dia steel bars at 4th course held together by 6mm stirrups at 150 mm c/c. the cost to include all materials, labour, soaking bricks, staging platform, curing, cost of building in holdfasts providing holes, etc complete.				
3	<b>Plastering</b> surfaces of walls, beams, columns, chajjas, etc: with CM 1:4, 20 mm with sponge finish at all levels and heights, including preparing the surface, adequate curing, staging etc; complete. The cost to include all materials and labour, screen and washing sand if necessary cleaning the floor, windows of splashes, providing grooves etc; for internal walls.	26,000.00	Sft.		
4.	<b>Water Proof plastering:</b> Proving plaster 20mm thick in CM 1:3 with approved water proofing compound such as Conplast prolamin 4211c or equivalent for walls, sunken slabs and floors with neat cement smooth finish including coving in the corners and cost of all leads lifts scaffolding, sieving and finishing the surface to	5,200.00	Sft.		

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	the required level, line and plumb at all level, curing, etc, complete.				
5.	Providing and laying <b>RCC Lintels/beams</b> of 1:2:4 grade using 20mm downsize aggregate including necessary centring and shuttering staging, compacting the concrete, curing and deshuttering,	1	Cft		
6.	Providing and laying <b>RCC Slabs</b> for counters, etc: of 1:2:4 Grade using 20mm downsize aggregate including necessary centring and shuttering, staging, compacting the concrete, curing, and deshuttering.	1	Cft		
7.	Providing and laying <b>Vitrified Tile Flooring</b> with glazed finish vitrified tiles of size 600 x 600 mm Johnson Porelano Opal Bianco, laid in pattern as per design with adhesive from Roff Chemicals or laticrete or approved equivalent with 3mm joints and providing PVC spacers and joint finished with joint fillers from Laticrete to match the shade of the tile to the architects satisfaction. The rate to include laying, curing and covering the floor with Protective Sheet and removing and cleaning after completion as directed. (Basic price of tile Rs. 70/-sft)	13,700.00	Sft.		
8.	Providing and laying <b>Vitrified Tile Flooring Skirting</b> with glazed finish vitrified tiles of size 600 x 600 mm Johnson Porelano Opal Bianco, laid in	4,500.00	Rft.		

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	pattern as per design with adhesive from Roff Chemicals or laticrete or approved equivalent with 3mm joints and providing PVC spacers and joint finished with joint fillers from Laticrete to match the shade of the tile to the architects satisfaction. The rate to include laying, curing and covering the floor with Protective Sheet and removing and cleaning after completion as directed. (Basic price of tile Rs. 70/-sft)				
9.	Providing and laying <b>Ceramic Tile Flooring</b> with tiles of size 300 x 300, 400 x 400 Johnson NEO of approved series in flooring laid in pattern as per design, in cement mortar 1:6 or with adhesive from Roff chemicals or laticrete with joints finished jointing compound to match the shade of the tile to the architects satisfaction. (Basic Price of tile Rs. 65/sft)	1,300.00	Sft.		
10	Providing Glazed <b>Ceramic Tile Dadoing</b> with tiles of 200 x 300/200 x 200 mm Johnson NEO of approved series size of approved make over CM 1:3,15mm thick including pointing with approved quality Roff or Laticrete sealant laid in proper line and level including curing, cleaning and acid washing (Basic Price of Tile Rs. 65/Sft)	8,000.00	Sft.		
11	<b>Polished Granite Flooring:</b> Providing and laying Polished Granite flooring with 20mm thk. Slabs in flooring laid	1	Sft.		

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	in pattern as per design in cement sand mortar 1:6 with joints finished jointing compound to match the shade of the tile to the architects satisfaction.(Basic Rate of the Slab Rs. 150/-sft.)				
12	<b>Granite Counter:</b> Providing and constructing Kitchen / Basin counter of 2'-0" deep in granite top with half round moulding with white basic marble (@60.00 per sft) for the vertical & horizontal supports. Granite Basic rate @ 170.00 per sft.	340.00	Rft.		
13	<b>Polished Granite Cill &amp; Jambs:</b> Providing and laying Polished Granite of 3" / 4" high with 20mm thk. Slabs in cement mortar 1:4 with joints finished jointing compound to match the shade of the tile to the architects satisfaction.(Basic Rate of the Slab Rs. 170/-sft.)	4,550.00	Rft.		
14	<b>Polished Marble Cill &amp; Jambs:</b> Providing and laying Polished Granite Cladding with 20mm thk. Slabs in cement mortar 1:4 with joints finished jointing compound to match the shade of the tile to the architects satisfaction.(Basic Rate of the Slab Rs. 60/-sft.)	2,600.00	Rft.		
15	<b>PCC 1:4:8 :</b> Providing and laying PCC 1:4:8 below foundation, footing and floor with one part of cement four parts of approved river sand and	13,700.00	Sft.		



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	eight parts of 40mm and down metal by volume including the cost of all materials, labour compacting, consolidating, etc. complete				
<b>16</b>	<b>Brick Bat Coba - TOILETS</b>				
<b>a</b>	Providing and laying Brick Bat coba of 12" thk. For the toilet including the cost of all materials, labour compacting, consolidating , etc. complete with SUNANDA chemical 2 coats.( FOR TOILETS ON ALL THREE FLOORS)	<b>1,300.00</b>	<b>Sft.</b>		
<b>b</b>	<b>WATERPROOFING- TOILETS &amp; TERRACE</b> (Dr.Fixit of Pidilite make only all given waterproofing works shall be only carried out by the Authorised applicator of Dr.Fixit for Guarantee of 10 years on Stamp paper.				
<b>17</b>	<b>FOR TOILET.</b>				
<b>a</b>	Providing and applying Dr. fixit FastFlex on the concrete slab of terrace as specified. Apply the 1 <sup>st</sup> coat of fast flex on the substrate to be in SSD condition after 6-8 hrs apply 2 <sup>nd</sup> coat of fastflex. The treatment to be carried out on the concrete surfaces including cleaning all RCC surfaces as per manufacturer's specification/ datasheet.	<b>1,300.00</b>	<b>Sft.</b>		
<b>b</b>	Laying 20mm thick protective screed over Dr fixit fast flex coating Admixed with Dr fixit LW+. 10 years	<b>1,300.00</b>	<b>Sft.</b>		

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	performance guarantee of the work shall be submitted to the Engineer - In - Charge.				
	<b>PLUMBING WORKS</b>				
	<b><u>SANITARY FIXTURES &amp; FITTINGS</u></b>				
	<b><u>(SUPPLY + INSTALLATION)</u></b>				
	<b><u>Note:</u></b>				
	i) Detail of Sanitary fixture are for the information of the Contractor, however model / makes of all sanitary fixture shall be selected by Architect / Interior designer / client and the same shall be binding for execution				
	ii. No additional all fixing cost shall be paid for change in type of sanitary fixture or fitting.				
	iii. Provision of extension piece for final connection of CP fitting shall be supplied and installed by the contractor accordingly (as required)				
	iv. All rates are inclusive of required scaffolding for all works, no additional payments would be made for the scaffolding.				
	<b><u>INTERNAL WATER SUPPLY &amp; DRAINAGE</u></b>				
	Providing and Fixing heavy class CPVC pipes SDR -11 with solvent cement joints including cutting the pipes to correct length testing, including providing an fixing with all types of CPVC fittings all	26	Nos		

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	complete.(Rate must be inclusive of fittings) (Conseled Piping for cold & Hot Water in toilet & Kitchen) for Toilet Block				
	Providing & fixing PVC Floor traps with ring, outer cup, inner cup, jali etc. as directed by engineer-in-charge.	<b>78</b>	<b>Nos</b>		
	<b>Sanitary Ware of American Standard</b>				
	<b>Pedestal Wash basin:</b> Providing and fixing Oval shape wash basin of American Standrad Winston of size 500mm (CL0979I1-1MA00) in white colour including all mountings, waste coupling, bottle traps, Long neck pillar cock with aerator, angular stop cock, PVC connector, sealing of joints, testing etc. complete	<b>26.00</b>	<b>Nos.</b>		
	Providing & fixing of Nirali make SS Sink having daringe board completed with fixing and long neck sink cock of American Standard / Jaguar make	<b>26.00</b>	<b>Nos.</b>		
	Providing & fixing of NEO Modern BASIN Mixer- FFAS0701-151500BA0 completed with all necessary fitting etc.	<b>26.00</b>	<b>Nos</b>		
	Providing & fixing of Concealed Wide Square FLUSH PLATE - Chrome Finish F0A1350A-ACH with Flushing cistern GD2 FK303D01-AASI1 completed with all necessary fitting etc.	<b>26.00</b>	<b>Nos</b>		
	Providing & fixing of Bath Spout, Rectnangle- FF1-CN521X00000461	<b>27.00</b>	<b>Nos</b>		

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	completed with all necessary fitting etc.				
	Providing & fixing of Olyos in Wall Shower Head with Arm- FFAS9031-000500BC0 completed with all necessary fitting etc.	26.00	Nos		
	Providing & fixing of Ntempesta 100lii Handshower Set completed with all necessary fitting etc.	26.00	Nos		
	Providing & fixing of Neo Modern Concealed Bath & Shower Mixer with Conceal Body - FFAS0721-659500BA0 completed with all necessary fitting etc.	26.00	Nos		
	Providing & fixing of Neo Modern Basin Mixer - FFAS0701-151500BA0 completed with all necessary fitting etc.	26.00	Nos		
	Providing & fixing of HEALTH FAUCET WITH 2 IN 1 BIP COCK completed with all necessary fitting etc.	26.00	Nos		
	Providing & fixing of BOTTLE TRAP FOR WASH BASIN.completed with all necessary fitting etc.	26.00	Nos		
	Providing & fixing of Floor drain with Cover Plate- SS finish - F78200-CHADYN completed with all necessary fitting etc.	78.00	Nos		
	Providing & fixing of ANGLE / STOP COCK FOR WASH BASIN AND WC etc completed with all necessary fitting etc.	78.00	Nos		

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	Providing & fixing of 25 Liters Boiler Racold make completed with all necessary fitting etc.	26.00	Nos		
	Dismantling existing brickwork, blockwork, lintel, beams, slabs, etc and carting away the debris to dumping ground.				
	Breaking of existing Floor tiles, Wall tiles, plaster skirting etc.& carting away the debris to the dumping ground.	30,000.00	Sft.		
	Breaking of existing brick bat khoba etc.& carting away the debris to the dumping ground.(TOILETS)	1,300.00	Sft.		
	Removing of existing Wooden Windows & carting away the debris to the dumping ground.	3,380.00	Sft.		
	Removing of existing Doors with door frame & carting away the debris to the dumping ground.	156.00	Nos		
	<b>MISC WORKS</b>				
	Removing and refixing of existing Balcony Aluminium windows with required servicing for smooth operation with replacing of lock / handles as required.	2,600.00	Nos		
	Treatment on the existing RCC open bars.Specification - Chipping of loose concrete cover to expose reinf bars, cleaning the bars by wirebrushing, application of rust converter chemical, providing and applying two coats of zinc rich epoxy primer; providing and applying layer	700.00	Sft		

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	of structural repair mortar EMACO 348 of BASF to make good the damaged concrete portion; finishing with a cement mortar plaster 1:4 12 mm thick including curing etc complete. For internal str repairs doing pop instead of plaster.				
	Truck charges.	40.00	L.s (lumsump)		
	Modification of Existing Safety Door, includes the Safety latch and hardwares as required.	26.00	Nos.		

### Electrical Works

	DESCRIPTION	QTY	UNIT		
1	Supply & installation of 16 way SPN DB.1nos.	26.00	NOS		
	2 pole 63 DB ,1 no.				
	63 Amp 2 pole ELCB 1 nos.				
	25/20 Amp MCB 6 nos.				
	16 A MCB-6 nos				
2	PRIMARY POINT	390.00	NOS		
3	SECONDRY POINT	312.00	NOS		
4	P/F OF 2 WAY LIGHT POINT	52.00	NOS		
5	P/F OF 2 WAY FAN POINT WITH REGULARTOR	52.00	NOS		

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6	P/F OF 5 AMP PLUG POINT	494.00	NOS		
7	P/F OF 15 AMP SWITCH WITH 3 NOS SOCKET.	0.00	NOS		
8	P/F OF 15 AMP PLUG POINT	78.00	NOS		
9	P/F OF 15 AMP PLUG POINT WITH 32 AMP DP SWITCH.	78.00	NOS		
10	P/F OF LED TUBE LIGHT 2'-0" OR 4'-0" WIDE	312.00	NOS		
11	P/F OF FAN WITH REQUIRED ACCESSORIES FOR FIXING.	104.00	NOS		
12	P/F OF DATA POINT	26.00	NOS		
13	P/F OF VOICE POINT	78.00	NOS		
14	P/F OF TV POINT	26.00	NOS		
15	P/F OF 2 RUN 2.5 SQ.MM WITH 1 RUN 1.5 SQ.MM FOR CURCUIT WIRING.	4000.00	RMT		
16	P/F OF 2 RUN 4 SQ.MM AND 1 RUN 2.5 SQ.MM FOR AC AND POWER POINT.	1300.00	RMT		
17	P/F OF CAT -6 DATA WIRING	520.00	RMT		

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18	P/F OF 4 PAIR WIRE FOR VOICE.	1300.00	RMT		
19	P/F OF RG.6 T.V CABLE.	260.00	RMT		
20	P/F OF 8 PORT SWITCHER	0.00	NOS		

1. Please note the estimates are approximate and as such provision for 10% contingencies shall be kept over and above the estimated cost.
2. Provision shall be made for GST and professional fees.
3. The above cost does not include municipal approval charges. Provision of approximate Rs 5 lakhs shall be kept for liasoning works.

**Preferred List of Makes**

<p><b>PREFERRED LIST OF MAKES</b></p> <p>Note: Makes specified in the BOQ supercedes this List. All makes shall be ISI marked wherever applicable.</p>			
Sr. No	Description	Material / Specs.	Makes.
<b>A</b>	<b>Water Supply &amp; Drainage system</b>		
1	Water Supply System		
	- Water Supply Pipes		
	- External water	GI 'C' Class (IS-1239)	Tata / Jindal
	Inside Plumbing Shafts	CPVC/UPVC	Supreme/Prince/Astra I
	- Internal Water (Concealed)	CPVC/UPVC	Supreme/Prince/Astra I



	- Hot water	CPVC/UPVC	<b>Administration Group</b> Supreme/Prince/Astra I
2	Butterfly Valves	CI	Audco/Intervalve
3	Ball valves	Gun Metal	RB / Zoloto
4	Water supply pumps	CI	Kirlosakar /KSB/ Grundfoss
	Submersible		HBD/Kirloskar/Dharan i
5	Insulation for Hot water pipes		Armaccess-Armalex
6	Drainage System		
	-Internal Drainage Pipe	UPVC	Supreme/Prince/Astra I
	-Soil, Waste & Vent		
	-Rain water		
	-External Drainage	Stoneware	
	-Manhole/Inspection Chamber	Stoneware	
	-Drainage Pump	-CI submersible	Grundfos/KSB/Dharan i
7	Sanitary ware		American Standard
	Water closet with Cover	- White-Vitreous glazed	American Standard
	Wash Basin	-White-Vitreous glazed	American Standard
	Urinal sensor 155 x 158 mm		
	Genova Acrylic Bath Tub 1700 X 700 mm		
8	CP fixtures	Chrome plated	American Standard/ Jaquar
	-Bottle trap		
	in Bath shower mixer		
	-90 deg Angle Valve		
	- Bottle trap		
	paper holder		
	Towel Rail		
	Towel Rack		

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	Soap dish		
	Robe hook		
	Basin Mixer with popup waste		

LIST OF APPROVED MAKES OF MATERIALS		
S.No.	Material	Approved make
<b>Interiors</b>		
1	Wood	Teak wood/Steam beech wood
2	Ceramic tile	HR Johnson / Nitco/Kajaria/Asian
3	Vitrified tile	HR Johnson / Nitco/Kajaria/Asian
4	Gypsum Board	India Gypsum Ltd
5	Grid ceiling	Armstrong/USG
6	Plain Particle Board	Duratuff / Novapan
7	Pre-laminated Particle Board	Novapan/Formica (Exterior quality)
8	MDF	Nuwud/Duratuff (Exterior quality)
9	Veneer	Uro / Garnet / Samrat
10	Laminate	Merino / Greenlam / National
11	Flush Door	Greenply / Kitply
12	Waterproof plywood	Greenply / National / Samrat / Kitply
13	Commercial plywood	Greenply / National / Samrat / Kitply
14	Wood preservatives	Wood guard / Termisil
15	Door closers	Ozone /Enox / Doorline
16	Floor spring/Patch fittings	Ozone / Enox / Door line
17	Furniture Hardware	Dorset / Doorline / Godrej
18	Melamine Coat	Asian or equivalent
19	Paints	Asian paints / ICI Dulux / Berger
20	Texture	Terraco/Nova tex
21	French Polish	Sheenlac/Light House
22	Adhesive	Fevicol SH, Araldite
23	Screws	GKW
24	Foams in Sofas	MM/Sleepwell - density 32
25	Fabric protection coating	Scotch guard of "3M"
26	Mortise locks	Godrej /Dorset / Monarch

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27	Hardware fittings such as Knobs,Hinges,Tower bolts,Castors etc.	Dorset / Doorline / Godrej
28	Cylindrical Lock	Door line / Godrej
29	Vertical Blinds	Vista / Mac
30	Vinyl flooring	Armstrong/Krishna
31	Carpet	C.C.Carpet / Shawmark / Standard
32	Plain/Tinted glass	Saint Gobain/Modi guard
33	Mirror	Modiguard / Saint Gobain
34	Projection Screen	Galalite/Higain
35	Chairs	Featherlite/Amber

**Sanitary Items**

36	Bib Cock	American Standard
37	Stop Cock	American Standard
38	Angle Cock	American Standard
39	GI Pipes	Jindal
40	Sanitary Chinaware	American Standard

**All materials shall be of the quality & standards and generally as per brands specified below.**

**Electrical Work :List of Approved Makes**

No	Description	Manufacturers Name
1	M.C.B / M.C.C.B / E.L.M.C.B	Legrand ( M.D.S / Merlin Gerin) ,L&T, Siemens,North-west
2	Wires ( FFRLS )	Polycab / Finolex
3	Cables	Polycab, Finolex
4	Conduit ( PVC )	Precision, Polycab

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5	Switches and Sockets	Anchor Roma/ M.K ( Wrap around) / Crabtree ( Athena Series) , North - West (Stylus Series),
6	Wall / Ceiling Fans	Crompton ,Havels, Usha, Orient
7	Telephone wires & Cables	Polycab / Delton
8	Tube / Bulbs / Pl Tubes	Philips /GE/Osram/Bajaj / Wipro
9	Flexible Wire for Speaker	Polycab / Finolex
10	Switchgear Equipment	L & T / Siemens / Havells
11	Aluminium Trunking Pipe / junction boxes	Jindal/ Hindalco/ Tata
12	P. A System	Philips / Sony
13	Emergency Lighting System	Panasonic / Orpat / Bajaj
14	Lighting Fittings	Wipro / Philips / GE /Bajaj