

SPECIFICATIONS FOR CIVIL WORKS AT #003,#102,#105,#202,#403,#502,#506,#601,#603,#704,#705 SHANTIPARK APARTMENTS, JAYANAGAR 9TH BLOCK, BANGALORE-BOQ					
S.No	DESCRIPTION OF ITEM	QTY	UNIT	RATE in Rs	AMOUNT in Rs
A . INTERNAL FLAT RENOVATION WORKS					
I	DISMANTLING WORKS				
1	DISMANTLING EXISITING MASONRY WALL				
	Carefully removing/ dismantling of existing masonry wall in cement mortar of thickness 110mm to 230mm, making good the uneven edges with plastering and carting away of debris from site including cleaing the site by the contractor (in case of disposal of debris, all rules & bye laws shall be adhered to by the contractor)	1.3	CUM		
2	DISMANTLING EXISITING KITCHEN COUNTERS & RCC CUPBOARDS				
	Carefully removing/ dismantling of precast concrete or stone slabs of thickness 40mm to 75mm in walls, partition walls etc. making good the uneven edges with plastering including including carting away of the debris away from the site and disposing abiding municipal laws complete as per the direction of Engineer In Charge.				
	a) Kitchen RCC counter top and supporting masonry structure,Kitchen sink (approx 7 Rft)	1	L/S		
	b) RCC cupboard frame of size 7' x 4'	1	L/S		
3	DISMANTLING EXISITING TERRAZZO/MOSAIC FLOORING				
	Dismantling exisitng terrazzo tile work in floor / skirting laid in cement mortar including carting away of the debris away from the site and disposing abiding municipal laws complete as per the direction of Engineer In Charge. Plan area shall be considered for measurement, excluding the skirting.	88.5	SQM		
4	DISMANTLING EXISITING DOORS				
	Dismantling doors of area 3 sq. metres and below (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead as per the direction of Engineer In Charge.	10	NOS		
5	DISMANTLING EXISITING WINDOW SHUTTERS				
	Dismantling steel window shutter of area 3 sq. metres and below shutter. complete and stacking within 50 metres lead as per the direction of Engineer In Charge.	10	NOS		
II	MASONRY WORKS				
1	BRICK MASONRY				
	Providing and constructing brick work with class A common burnt clay bricks in all shapes and sizes in cement mortar 1:4 and curing the wall.	2	CUM		
2	PLAIN CEMENT CONCRETE				
	Providing and laying in position cement concrete of 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate) of thickness 35mm to 50mm.	91.4	SQM		
III	WOOD / ALUMINIUM WORKS				
1	ALUMINIUM VENTILLATORS				
	Providing & Fixing of powder coated Aluminium ventillators of Jindal or equivalent approved make fixed with all accessories viz. EPDM gasket, screws etc. Junction between masonry wall and Al frame to be filled with poly sulphide selants to ensure water proofing. Sizes of windows as per existing openings / balconies on building.				
	The ventillator to be provided with adjustable louver system of same guage to have 4" wide 6mm frosted glass panels for privacy. Provision for 9" dia exhaust fan to be made and fixed frosted glass to be adjustant to. The rate quoted shall include cost of fixtures and fittings, glass , all leads and lift, cost and conveyance of all materials, machinery, labour, scaffolding necessary etc.	1.1	SQM		

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S.No	DESCRIPTION OF ITEM	QTY	UNIT	RATE in Rs	AMOUNT in Rs
2	ALUMINIUM THREE TRACK SLIDING WINDOWS				
	Providing & Fixing of powder coated Aluminium sliding windows (3 TRACK) and shutters of Series- B (18mm), of Jindal or equivalent approved make fixed with all accessories viz. PVC rollers, EPDM gasket, locks, screws etc. The frame should be of sections of size as mentioned below & drain tray system for the bottom frame. The shutters to be fixed with 5mm thick Modiguard make clear float glass using suitable beadings. Junction between masonry wall and Al frame to be filled with poly sulphide sealants to ensure water proofing. Sizes of windows as per existing openings / balconies on building. Handle/locking system to be of recess type inserted in shutter. The rate quoted shall include cost of all leads and lift, cost and conveyance of all materials, machinery, labour, scaffolding necessary.	43	SQM		
	Details of sections to be used				
	Bottom : 92mm x 45.50mm x 1.30mm @ 1.441 kg/m with drain tray (Jindal section no : 21031)				
	Top & sides : 92mm x 31.75mm x 1.30mm @ 0.929 kg/m (Jindal section no : 20621)				
	Details of shutters				
	Shutters : Series-B (18mm) 50mm x 18.2mm x 1.34mm @ 0.471kg/m				
	2 Nos per track with 5.0 mm thick glass panes (weight not less than 12.5 kg per sqm) to the shutters as specified by the Enginner InCharge				
	1 No per track with fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture to the shutters as specified by the Enginner InCharge				
3	DOOR FRAMES				
	Providing wood work in frames of doors and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length.				
	Sal wood, kiln seasoned and all surfaces to be given termite proofing treatment. Inner/hidden surfaces to be provided with solignum paint. Finished dimensions shall be measured for payment. Lengths of projections etc shall not be measured.	0.37	CUM		
4	DOOR SHUTTERS				
	Providing and fixing flush door shutters of required sizes using 35mm thick BWR block boards of approved makes with 5mm thick alround lipping using 2nd class teakwood fixed with good quality adhesives, screws and nails. The door shall be finished with 1mm thick lamination of approved shade on both the sides. The laminates to be fixed by factory pressing at requisite pressures using good quality adhesives/SR. All the exposed wood / wooden beadings shall be neatly finished with 2 coats of wood polish & stained to required colour. All the accessories used shall be of concealed type. Combination of laminate shades with necessary groove cuttings as specified by the Engineer In charge to be provided. Each door shutter of approx size 900mm x 2100mm to be fixed to the frames using 100mm length stainless steel butt hinges - 4 Nos (min) and provided with 1 No. of mortise lock, 2Nos of SS tower bolts, 2 Nos SS tubular lever handles and 1 No of door stopper.	13.6	SQM		
5	FRP DOOR FRAMES				
	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	14.6	RMT		
6	FRP DOOR SHUTTERS				
	Providing and fixing to door frames 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour (wood grain finish) and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames. Each shutter of size approx 2.5' - 3' (W) x 6.5' - 7'(H) to be provided with 2 Nos of PVC handles, 2 Nos of PVC aldrops, 2 Nos of PVC tower bolts (5").	4.7	SQM		

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IV	FURNISHING WORKS				
1	WARDROBES IN BEDROOM				
	Providing, fabricating and fixing box type wardrobe of 6'9" to 7'0" height and 2'0" deep. Commercial MR grade 19mm Thick plywood of approved make should be used for all the verticals, horizontals members, selves, doors and wall side supports. All the plywood surfaces like doors, selves, verticals, horizontals & support structures, drawers in & out side should be pasted with 1mm thick textured laminate on outer sides and 0.8mm thick satin finish laminate on inner surfaces of approved shade & approved makes. 8mm thick approved make MR grade plywood shall be provided for wardrobe back side with 0.8 mm thick laminate of approved make & design. The wardrobe shutters/doors shall be provided with Stainless steel slip on /cup hinges (Minimum 3 Nos. per shutter), 6" long Stainless steel handles, tower bolts, magnetic catches and locks of approved make, shade and designs. Drawer units: 4 Nos of Minimum 8"(H) x 1'6"(W) shall be provided with set of heavy duty slider channels, locks and 4" long stainless handles of approved make and design. Stainless steel hollow hanger rods with necessary fixing arrangements should be provided to facilitate cloth hangers. All the exposed edges of plywood's shall be provided with approved make matching colour edge binding. Approved make adhesive should be used. The entire unit should be fitted/bolted to wall with 3" long GI screw/bolts on all the four corners of unit facing the wall side. Payment will be made on the elevation area (L X H) measurements.	5.6	SQM		
2	OVERHEAD CUPBOARDS IN BEDROOM				
	Providing, fabricating and fixing box type overhead storage cupboards of 2'0" to 2'3" height and 2'0" deep. Commercial MR grade 19mm Thick plywood of approved make should be used for all the verticals spaced at at 4' c/c or part thereof and at the ends, horizontals members at top and bottom. The plywood surfaces should be pasted with 1mm thick textured laminate on outer sides and 0.8mm thick satin finish laminate on inner surfaces of approved shade & approved makes. 8mm thick approved make MR grade plywood shall be provided for back side with 0.8 mm thick laminate of approved make & design. The wardrobe shutters/doors shall be provided with Stainless steel slip on /cup hinges (Minimum 3 Nos. per shutter), 6" long Stainless steel handles, tower bolts, magnetic catches and locks of approved make, shade and designs. All the exposed edges of plywood's shall be provided with approved make matching colour PVC edge banding. Approved make adhesive should be used. The entire unit should be fitted/bolted to wall with 3" long GI screw/bolts on all the four corners of unit facing the wall side. Payment will be made on the elevation area (L X H) measurements.	2.6	SQM		
3	RELAMINATION ON EXISTING FURNISHINGS				
	Providing & fixing 4mm thick MR grade commercial plywood on top of existing plywood and finishing with 1mm thick satin finish lamination of approved shade and manufacture using approved adhesives. The edges shall be finished with PVC edge bandings of matching shade.	4.65	SQM		
4	KITCHEN LOW LEVEL CABINET				
	Providing and fixing counter bottom storage units (height approx 2'6" and width approx 2' using 19mm thick BWR grade reputed and approved make water resistant plywood for around frameworks and intermediate horizontal support spanning between the masonry vertical supports using 19mm thick BWR grade reputed and approved make water proof plywood. The front face to be provided with shutters and allround frames made of 19mm thick BWR grade reputed and approved make water proof plywood. All the internal exposed plywood surfaces should be provided with 0.8mm thick laminate of approved make and shade and the front face of the shutters/framework to be provided with 1mm thick lamination of high gloss finish. The exposed edges to be provided with 2mm thick PVC egde banding of matching shade. All shutters to be provided with G profile stainless steel matt finished handles along the edges. All shutters to be fixed with soft closing cup hinges of approved makes. Payment will be made on the elevation area (L X H) measurements.	48	SFT		
5	OVERHEAD STORAGES IN KITCHEN				

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S.No	DESCRIPTION OF ITEM	QTY	UNIT	RATE in Rs	AMOUNT in Rs
	Providing and fixing box overhead kitchen units above the existing L-type kitchen counter. Size of the box should be of 14" depth and 20" height OR to suit the Bank's requirements/site conditions. All verticals and horizontal supports should be made of 19mm thick MR grade reputed and approved make plywood. All the exposed outer surfaces should be provided with 1mm high gloss finish laminate of approved make and shade and all the internal surfaces to be provided with 0.8mm thick satin finish laminate. The box structure should be designed suitably to mount on the existing RCC walls, using necessary supports. The box type structure should be provided with combination of solid shutters with 19mm thick BWR grade plywood and glazed shutters with 4mm thick glass of approved make with all round ply wood frames of 19mm thick with suitable hardware's to support glass for 2 shutters as per the instruction of the Bank. Shutters to be provided with soft closing hinges of approved makes and recessed G profile stainless steel matt finished handles. All the exposed edges of plywood shall be provided with approved make matching colour 2mm thick PVC edge banding. Approved make adhesive should be used. Payment will be made on the elevation area (L X H) measurement.	35	SFT		
V	TILE WORKS				
1	VITRIFIED TILE FLOORING				
	Providing & laying vitrified floor tiles in sizes 600mm x 600mm (thickness to be specified by the manufacturer) with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 20 mm to 50mm thick bed of cement mortar 1:4 (1cement: 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joint with white cement & matching pigments etc. complete. Basic rate of Tile Rs 60psft.				
a	Double Charged of approved make	85	SQM		
b	Matt / Rustic finish Somany Durastone make or any other make as approved by Bank's Engineer	25	SQM		
2	GRANITE STRIPS FOR JAMBS				
	Providing & laying glazed black granite stone strips, 19mm thickness of following widths, rounded on both sides (half round) over 20 mm thick bed of cement mortar 1:4 (1cement: 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
a	100mm	7	RMT		
b	150mm	15	RMT		
3	GRANITE COUNTER TOP				
	Providing and fixing 30 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut Granite of jet black colour / shade for kitchen platforms, vanity counters and similar locations of required size, approved shade, colour and texture fixed to the walls, joints treated with epoxy grout of matching pigment, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.	3.4	SQM		
	Extra for machine grinding for full rounding of edges	4.2	RMT		

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	SANITARY FITTINGS				
1	EUROPEAN TYPE WATER CLOSET PAN + FLUSHING CISTERN				
	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. All items & fixtures shall be of the approved make (Jaquar, Cera, Hindware, Parryware).	1	NO		
	Jaguar Series (Model : ECS-WHT-551SS) with soft close seat covers or any other make as approved by Bank's Engineer				
	Flushing Cistern : Parryware Slimline Superio or any other make as approved by Bank's Engineer				
2	INDIAN TYPE WATER CLOSET PAN + FLUSHING CISTERN				
	Providing and fixing White Vitreous china Orissa pattern Water closet squatting pan pan of size 580x440 mm with integral type foot rests (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. All items & fixtures shall be of the approved make	1	NO		
	Parryware (Model : Orissa)				
	Flushing Cistern : Parryware Slimline Superio or any other make as approved by Bank's Engineer				
3	WASH BASIN				
	Providing and fixing White Vitreous China Wash basin of size 590x490 mm with with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. All items & fixtures shall be of the approved make	2	NO		
	Jaguar Series (Model : ECS-WHT-933) or any other make as approved by Bank's Engineer				
4	WASH BASIN - SURGEON TYPE				
	Providing and fixing White Vitreous China Surgeon Type Wash basin with , 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. All items & fixtures shall be of the approved make	1	NO		
5	SS KITCHEN SINK				
	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink with drain board of size 508x1016 mm bowl depth 200 mm as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls/RCC slabs wherever required. Item includes accessories such as semi-rigid PVC waste pipes and grouting of edges with waterproof epoxy as per the instructions of the Engineer In Charge.	1	NO		
	Parryware New Coral Series or any other make as approved by Bank's Engineer				
6	cPVC gate valves for isolation of water lines				
	Providing and fixing cPVC ball valves of required nominal diameter for water lines	3	NOS		
7	Angle Cock				
	Providing and fixing CP Brass angle cock	5	NOS		
8	Swan neck sink cock				
	Providing & fixing chrome plated brass swan neck sink cock having foam flow technology	1	NOS		
	Jaguar Florentine Series (Model : FLR-5347N) or any other make as approved by Bank's Engineer				
9	Bib cock				
	Providing & fixing chrome plated brass bib cock having foam flow technology	4	NOS		
	Jaguar Florentine Series (Model : FLR-5047N) or any other make as approved by Bank's Engineer				
10	Pillar cock				
	Providing & fixing chrome plated brass pillar cock having foam flow technology	3	NOS		
	Jaguar Lyric Series (Model : LYR-38011) or any other make as approved by Bank's Engineer				
11	Wall mixer				
	Providing and fixing CP Brass Single lever telephonic wall mixer with 3-in-1 system for hand/overhead shower of quality & make as approved by Engineer in charge.	1	NOS		

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	Jaguar Continental Series (Model : CON-281KN) or any other make as approved by Bank's Engineer				
12	2 way bib cock with health faucet				
	Providing and fixing CP Brass 2 way bib cock with health faucet unit with 15mm connection and 1.20m long pipe including CP holders, screws, fasteners etc necesasary.	2	NOS		
	2 way bib cock : Jaguar Florentine Series (Model : FLR-5041N) or any other make as approved by Bank's Engineer				
	Health Faucet : Jaguar (Model : ALD-BLK-585) or any other make as approved by Bank's Engineer				
13	Shower head				
	Providing and fixing C.P. brass shower rose of 140mm diameter with 15 or 20 mm inlet	1	NOS		
	Jaguar (Model : OHS-1757) or any other make as approved by Bank's Engineer				
14	Floor traps				
	Providing and fixing uPVC floor trap of self-cleansing design with 50mm water seal and with grated SS jali of required size.	3	NOS		
15	PVC connection pipe				
	Providing and fixing uplasticsised PVC connection pipe with brass unions with 45 cm length and 15 mm / 20mm nominal bore	4	NOS		
VII	MISCELLANEOUS FITTINGS				
1	Curtain rods				
	Providing and fixing Curtain Rods of stainless steel drapery rods of 20mm diameter to all the windows and balcony doors. MS Chrome plated matte finish designer brackets should be provided at both the ends of the curtain rods as per site conditions. Brackets should be fixed to the walls above windows and doors with necessary MS screws & plastic/wooded plugs. For all the curtain rods more than 6' length one central support bracket should be provided other than at ends. Payment will be made based on the measurements of curtain rods including the length of brackets. The item includes cost of end brackets and central support brackets and no extra payments will be made for brackets.	11	RMT		
2	Mirrors				
	Providing and fixing mirror of superior glass (of approved quality and make) and of thickness not less than 6mm of oval shape with outer dimensions not less than 350mm(L) x 450mm (H) provided with 6 mm thick hard board backing	2	NOS		
3	Towel rods				
	Providing and fixing chrome plated towel rods of 600mm or more length	3	NOS		
	Jaguar (Model : CAN-1111NM) or any other make as approved by Bank's Engineer				
4	Towel ring				
	Providing and fixing chrome plated towel ring of circular shape of diameter 200 mm with concealed fittings arrangement of approved quality.	1	NOS		
	Jaguar (Model : ACN-1121BN) or any other make as approved by Bank's Engineer				
5	Soap tray				
	Providing and fixing chrome plated soap tray of standard size	3	NOS		
	Jaguar (Model : AKP-35731P) or any other make as approved by Bank's Engineer				
6	Corner shelf				
	Providing and fixing readymade acrylic corner type shelf with railings of approved quality and colour	2	NOS		
7	Main Door SS long handle	1	NOS		
8	Main Door Godrej lock	1	NOS		
9	Main door Eye pipe	1	NOS		
VIII	FINISHING WORKS				
a	INTERIOR EMULSION PAINTING				
	Providing & applying to the interior wall surfaces with interior grade water based emulsion of Asian Paints Royale make or equivalent with silicon additives and anti-fungal properteis in two or more coats as per methodologies prescribed by the manufacturer. The item includes filling the cracks with approved crack fillers, washing, thorough scraping of existing loose paint layers, dirt etc. A combination of shades as per instructions of the Engineer-In Charge to be provided. The rate coated shall include cost of all leads and lift, cost and conveyance of all materials, labour, scaffolding and subsequent cleaning of floor etc after completion of works.	184	SQM		

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	EXTERIOR EMULSION PAINTING - BALCONIES				
	Providing & applying to the exterior wall surfaces for the balconies and other areas with exterior grade water based emulsion of Asian Paints Apex Ultima make or equivalent with anti-fungal properteis in TWO or more coats as per methodologies prescribed by the manufacturer. The item includes filling the cracks with approved crack fillers, washing, thorough scraping of existing loose paint layers, dirt etc. The rate coated shall include cost of all leads and lift, cost and conveyance of all materials, labour, scaffolding and subsequent cleaning of floor etc after completion of works.	64	SQM		
c	TRACTOR EMULSION PAINT FOR CEILING				
	Providing & applying tractor emulsion painting at the celing with anti-fungal properteis in TWO or more coats over and above Cement primer as per methodologies prescribed by the manufacturer.Before applying the paint the existing surface to be cleaned. The item includes filling the cracks with approved crack fillers, washing, thorough scraping of existing loose paint layers, dirt etc. The rate coated shall include cost of all leads and lift, cost and conveyance of all materials, labour, scaffolding and subsequent cleaning of floor etc after completion of works.	102	SQM		
d	SYNTHETIC ENAMEL EMULSION PAINTING				
	Providing & applying one or more coats of synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on old work after thorough cleaning and scrapping off the exisitng dirt, stains and loose layers of paint. The rate coated shall include cost of all leads and lift, cost and conveyance of all materials, labour, scaffolding and subsequent cleaning of floor etc after completion of works	35	SQM		
e	MELAMINE POLISHING				
	Providing and applying Melamine polishing on wood work over a coat of primer.	11	SQM		
f	PLASTERING				
	Providing plastering in C.M 1:4 of 15mm average thickness finished smooth including all necessary scaffolding and curing wherever required etc.,complete	15	SQM		
g	ACID WASH CLEANING				
	Cleaning of existng toilet floor tiles with mild cleaning acid for toilet blocks in one flat, total area = 70 sft approx.	1	LS		
IX	ELECTRICAL WORKS				
	1) The flat is being renovated and the existing flooring will be replaced with new vitrified flooring. Hence the electrical wiring is to be carried out in co-ordination with civil works to conceal the PVC conduits. 2) The chiseling of the wall is to be done carefully for concealing the conduits and replastered wherever necessary. No separate cost shall be paid up for such plastering work and making the surface good 3) Color code should be strictly maintained for the entire wiring installation (Red for Phase, Black for neutral and Green for earthing) 4) Rates to include the cost of making/ drilling holes in walls/rcc members for conduits,removing the existing DB's and old wires wiring and making good the same after completion of the work				
1	DISTRIBUTION BOARD				
	Supply, installation, testing and commissioning of 4way double door TPN DB with the following near entrance: Incoming - 100mA ELCB -1 No ; 32A 2PMCB - 1 No Outgoing - 25A SPMCB - 4 Nos ; 25A DP MCB - 1 No(Inverter Input) ; 16A DP MCB - 1 No(Inverter Output) 10A SP MCB -4 Nos ; With necessary insulated copper bus bars, Neutral Links, earth Links and interconnections with suitable PVC insulated copper conductor wires.	1	Nos		
2	Supply and laying circuit mains using PVC insulated multi stranded single core copper conductor FRLS wire in new 19mm dia PVC conduit as below: 4 Sq.mm wire - 2 runs; 2.5 Sq.mm wire - 1 run (Circuit wiring for Kitchen heating point, Geyser points in 2 bathrooms , Inverter Input and washing machine points)	75	m		
3	Supply and laying circuit mains for switch boardsfrom 10A SPMCBs in TPN DB using PVC insulated multi stranded single core copper conductor FRLS wire in new 19mm dia PVC conduit / casing 'n' capping to be laid in floors / walls etc., complete with all accessories 2.5 Sq.mm - 2 runs; 1.5 Sq.mm - 1 run	100	m		

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4	Supply and fixing of modular switches & sockets, with front plates in equivalent PVC box for power points: 5 pin socket of 6/16A - 1 No 15A switch with indicator - 1 No Kitchen -01 No; Washing Machine -01 No; Inverter Input - 01 No; Geyser- 02 Nos	5	Nos		
5	Point Wiring using 2 X 1.5 Sq.mm PVC insulated multi stranded single core copper conductor FRLS wires of approved make in existing 19mm dia 2mm thick rigid PVC FRLS conduit pipe run in the true ceiling /wall/flooring as per requirement complete with all materials, GI saddles with approved make 6A modular switches, front plates, surface mounting/concealed type PVC/GI switch boxes as per requirement.				
a)	one light / fan point control by 6A one way Switch	20	Nos		
b)	6Amps universal socket	8	Nos		
c)	Electronic step type regulator	4	Nos		
6	Supply and fixing of 24W T5 LED BATTEN LIGHT (AL) SSK - SQ2401 SYSKA MAKE /WIPRO/PHILIPS or equivalent	7	Nos		
7	Supply and fixing of 12" Double ball bearing metal exhaust fans of Bajaj/Usha/crompton make in Kitchen	1	No		
8	Supply and fixing of 9" double ball bearing exhaust fan in toilet. The rate includes connection from ceiling rose to exhaust fan with flexible PVC copper wire.	3	No		
COST FOR INTERNAL RENOVATION OF ONE FLAT (A) (excl GST)					
B . TOILET RENOVATION WORKS					
I	DISMANTLING WORKS				
1	DISMANTLING EXISTING CERAMIC TILE AT FLOORS & WALLS				
	Dismantling tile work in floors and roofs laid in cement mortar in locations as below including including carting away of the debris away from the site and disposing abiding municipal laws complete as per the direction of Engineer In Charge.				
	a) Floor tiles	7	SQM		
	b) Wall tiles	31	SQM		
2	DISMANTLING EXISTING GI PIPELINES				
	Cutting chases in the walls and dismantling existing GI pipelines (concealed) including carting away of the debris away from the site and stacking within 50 metres lead as per the direction of Engineer In Charge.	25	RMT		
3	DISMANTLING EXISTING WATER CLOSETS & FLUSHING CISTERNS				
	Dismantling existing water closets and the flushing cisterns and carting away of the debris away from the site and disposing abiding municipal laws complete as per the direction of Engineer In Charge.	2	NOS		
II	WATERPROOFING OF TOILETS				
1	Providing water proofing treatment over sunken slabs of toilets using admixtures of CERA/FOSROC/SIKA/DR.FIXIT/ASIAN with standard procedures specified by manufacturer and approved by the Engineer in Charge. The treatment to be carried out by authorised applicator of the approved manufacturer. The brief methodology to be followed are as below :				
	Removing existing brickbat coba to expose the mother slab and stacking at site as per instructions of the Engineer-In-Charge.				
	Cleaning the surface with wire brush on the slab to remove all deleterious matters.Cutting of 'V' grooves along the cracks and wall-slab joints and filled with cement sand mortar admixed with anti-shrink additives, (modified styrene butadiene rubber (SBR) based) at dosages as specified by the manufacturer.				

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	Supply and application of waterproof coating on the prepared surface in a continuous film on the floor of the sunken portion with 2 coat flexible, micro fibre reinforced, cementitious product modified with special alkali-resistant polymers which can produce a flexible membrane for waterproofing. Two coats should be applied over the horizontal floor/mother slab surfaces and vertical surfaces of wall over the coving up to 300mm above the final finished floor level (before tiling). The coating shall also be continued on to the inner surfaces of the pipe penetration holes. The first coat of treatment shall be applied over a primer coat. After application of the first coat a fibre cloth mesh to be laid when the coat becomes tacky. Minimum 100 mm lapping to be maintained on the edges of fibre cloth mesh. After curing of the first coat, top coat to be applied on the right angle of first coat and to be allowed to dry for six hours before starting other activities of floor finish. A layer of sand is to be sprinkled on this 2nd coat in horizontals while in tacky stage. Ponding test to be done free of cost for 48 hrs and to check from soffit to ensure zero water seepage from the slab and joints. The treatment shall cover the slab and vertical surfaces of walls by 150mm above the tiled surface level.	7	SQM		
	Applying a priming or bond coat above the surface of existing Brick bat coba using SBR latex admixed cement mortar (1:3) of thickness 25mm while in tacky state as per dosages specified by the manufacturer. Slopes as required to be maintained.				
	Necessary time interval between coats, curing time to be provided as per the methodologies specified by each of the manufacturer. The mixing proportions and coverages shall be also as specified by the manufacturer.				
	Material and methodology of waterproofing to be got approved by the engineer in charge before application.				
	APPLICATION TO BE DONE BY AUTHORIZED PROFESSIONALS OF THE RESPECTIVE APPROVED MANUFACTURERS.				
	Payment shall be for the total plan area of sunken portion, excluding the wall verticals.				
	Performance guarantee certificate of the installed waterproofing system for a period of 5 years to be submitted to the Engineer in charge in the prescribed format on Rs.200 non judicial stamp paper on completion/satisfactory testing of the waterproofing system.				
2	RE-FILLING BRICK BAT COBA				
	Laying the removed brick bat coba stacked at site and laying in the sunken portion, mixing with cement mortar of 1:4:8 mix proportion (cement : coarse sand : brickbat) with proper compaction and levelling. The rate coated shall include cost of all leads and lift, cost and conveyance of all materials, labour, and subsequent cleaning / disposal of excess materials after completion of works etc.	2.65	CMT		
III	TILE WORKS				
1	ANTI-SKID CERAMIC TILE FLOORING				
	Providing and laying Ceramic anti-skid floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sq.m including pointing the joints with white cement and matching pigments etc., complete.	7	SQM		
2	GLAZED VITRIFIED WALL TILES				
	Providing & laying glazed vitrified wall tiles in sizes 300mm x 600mm (thickness to be specified by the manufacturer) with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade in wall claddings over 12 mm thick bed of cement mortar 1:3 (1cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joint with white cement & matching pigments etc. complete.	41.8	SQM		

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S.No	DESCRIPTION OF ITEM	QTY	UNIT	RATE in Rs	AMOUNT in Rs
IV	PIPELINE WORKS				
1	SANITARY PIPELINES				
	Providing and fixing uPVC pipes (4kg/cm ²) of nominal diameter as mentioned below with all uPVC fittings such as collars, couplers, rings etc. This includes jointing of pipes & fittings with ring sealants, rubber lubricants & testing of joints complete as per direction of Engineer in Charge.				
a	75mm (4kg/cm ²)	6	RMT		
b	110mm (4kg/cm ²)	6	RMT		
2	DRINKING WATER PIPELINES				
	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
a	20 mm nominal outer dia	15	RMT		
b	25 mm nominal outer dia	3	RMT		
COST FOR TOILET BLOCK RENOVATION OF ONE FLAT (B)					
TOTAL COST FOR INTERNAL RENOVATION OF ELEVEN FLATS (C) = (A) X 11					
TOTAL COST FOR TOILET BLOCK RENOVATION OF TWO FLATS (D) = (B) X 2					
GRAND TOTAL (C) + (D)					
CGST					
SGST					
GRAND TOTAL					
Total in words :					

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S.No	DESCRIPTION OF ITEM	QTY	UNIT	RATE in Rs	AMOUNT in Rs
APPROVED MAKES OF MATERIALS TO BE USED IN THE WORKS					
1	Commercial/BWR/BWP plywood and blockboards	Century Ply, Green Ply, Anchor Board, Trojan, Frontier Ply, ASIS, ArchidPly.			
2	Sal Wood/ Teak wood	Best quality, well seasoned, free from sap, knots, cracks and uniform in colour			
3	Laminations	Formica, Greenlam, Sundek, Merino, Sunmica, Century			
4	Prelaminated particle Board	Novopan, Duratuff, Bhutan ,kitlam			
5	Glass	Triveni, Modi, Saint Gobain, ASAHI			
6	Polish	Light house, Sheenlac			
7	Adhesive	Fevicol - commercial grade			
8	Aluminium Sections	Jindal, Indal, Hindal			
9	Paints	Asian, British, Duco, Berger, Nerolac			
10	Cement Bonded Particle board	BISON			
11	Construction Chemicals/Waterproofing admixtures	Fosroc, Sika, Cera, Asian, Pidilite			
12	cPVC / uPVC pipes	Prince, Finolex, Ashirwad, Supreme			
13	Wall/floor tiles	Somany, Kajaria, Johnson, Orient, Bell			
14	Sanitary fittings / hardwares	Jaquar, Cera, Hindware			
15	Cement	UltraTech, L&T, Ambuja, Corromandel			
16	Steel TMT bars	SAIL, TATA			
17	Kitchen Sink	Nirali, Parryware			
18	Hardwares - Locks	Godrej, Ebco, Ozone			
19	Hardwares - Handles	Hafele, Hettich, Dorma, Ozone			
20	Hardwares - Hinges	Godrej, Ebco, Everite, Kaff			
21	Hardwares - Ball bearing slides / channels	Hafele, Hettich, Kaff, Godrej, Ozone			
22	PVC Skirting	Ebco, Hettich			
23	Tandem Units for Modular Kitchen	Asian Sleek, Hacker, Hettich, Hafelle, Grass, Godrej			
24	Furniture fittings (Door stoppers, magnet catch)	Godrej, Ebco, Everite			
25	Tandem Units for Modular Kitchen	Asian Sleek, Hacker, Hettich, Hafelle, Grass			
26	MCB / MCCB	Legrand / L&T			
27	Isolator	Legrand, Schneider			
28	DB Board	Legrand, Schneider			
29	Cables	Havells, Polycab, V Guard			
30	Cable Glands & Lugs	Siemens			
31	Wires	Finolex, RR, Polycab			
32	Switches	Anchor Roma, Havells, Lisha, Legrand			
33	Modular Box	Anchor Roma, Havells, Lisha, Legrand			
34	Light fittings	Philips, Wipro, Crompton Greaves, Jaquar			
35	Exhaust fan	Havells, Bajaj, Usha, Crompton			
36	Casing & capping	Good quality with ISI mark			
37	PVC Conduits	Good quality with ISI mark			
38	Electronic Regulators	Anchor Roma, Havells, Lisha			

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