

PRICE BID FOR CIVIL REPAIRS & PHE WORKS OF BLOCK-01 (HOSTEL AREA) & TERRACE AT SBILD, SECTOR-14, PANCHKULA

S.NO	SPECIFICATIONS	QNTY	UNITS	RATE	AMOUNT
PART-1: REPAIRS OF TERRACE AREA					
1.1	REPAIR OF OLD TERRACE (40MM TH. CEMENT MORTAR 1:3)				
	Cleaning of existing surface including removal of dust, loose concrete with wire brush and spray waterjet cleaning & PCC & waste material shifting.	428.00	sqm.		
	Applying a slurry of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound confirming to IS-2645 and approved by Engineer- In- charge over the existing surface including adjoining walls upto 300 mm height including cleaning the surface before treatment . Therafter, Finishing the surface with 40 mm 1:3 (1 cement: 3 coarse sand) admixed with waterproofing compound confirming to IS:2645 and approved by Engineer Incharge to achieve a smooth & even surface with proper slope up to the khurras.and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300mm square 3 mmdeep.				
1.2	WATERPROOFING OF OLD TERRACE				
	<u>Cleaning/ Preparation of surface:</u> Cleaning of existing surface including removal of dust, loose concrete & PCC & waste material shifting	428.00	sqm.		
	Sealing of pipes/ khurra area: Providing and applying epoxy bonding agent (FOSROC Nitobond EP STD /equivalent of SIKA / Pidilite) over the PVC and internal side of of cavities/holes & later Filling the pipe gap with high strength, non-shrink, cementitious precision grout (FOSROC Conbextra GP2 / equivalent of SIKA / Pidilite) from the top all over the periphery, with all shuttering/PoP already in place from bottom side. Finally all pipes and concrete intersection joining areas to be treated with Polyurethane Sealant (Nitoseal PU40N / equivalent of SIKA / Pidilite). as per manufacturer's specifications.				
	<u>Waterproofing with Primer:</u> 1.) PRIMER: Well cleaned, levelled, & well dry surface shall be primed with Liquid based elastomeric membrane (Nitoproof WB Primer / equivalent of SIKA / Pidilite), applied at consumption of 8-10Sqm/Ltr (after dilution), Dilution at 12 ltr per 6ltr pack size primer. Coating shall be applied from parapet to parapet and to be terminated at atleast 300mm above FFL or as per site conditions. Termination shall be done by providing a groove cut of 10mm x 10mm and later sealing the same with Repair mortar (Renderoc HSXtra /equivalent of SIKA / Pidilite) after application of epoxy bonding agent (Nitobond EP Standard / equivalent of SIKA / Pidilite)Providing and 2.) Applying waterproofing treatment using Acrylic based modified polyurethane elastomeric Solar Reflective cum Waterproof coating (using Fosroc Brushbond Roofguard Premium / equivalent of SIKA / Pidilite) to be applied <u>using a roller, brush or spray applied, as per manufacturer's specifications.</u> Minimum recommended coverage Coverage @1mm wft 20m2 per 20 litre Solids by Volume : 50% Solids by weight : 55 + 2% Density : 1.30 ± 0.05% g/cc Tensile strength ASTM D412 >2 MPa Elongation, ASTM D412 > 250% Shore A Hardness, ASTM D2240 -75 Tear strength, ASTM D624 13N/mm Adhesion to substratewith Primer, ASTM D45412 MPA Crack bridging ASTM C836-2mm UV resistance ASTM D4587 -Pass <u>Service temperature :-10oC to +60oC</u>				
	<u>The Brushbond Roofguard Premium membrane must be cured for at least 72 hours prior to a flood test. Flood to a minimum of 50mm depth of water for 24 hours. Drains must be plugged and barriers put in place to contain the water.</u>				
	Note :- The ventor should get the work done by the company's approved applicator & give the warranty of 10 year on company's letterhead.				
	MAKE: FOSROC / SIKA/ Dr FIXIT				

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1.3	KHURRAS				
	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	12.00	No.		
1.4	12 MM CEMENT PLASTER OF MIX 1:4 (INNER SIDES OF PARAPET WALLS REPAIRING WORK)				
	Providing cement sand plaster over brick masonry / RCC after cleaning the existing surface of any loose material / dirt., using cement sand ration 1:4 (1 cement: 4 fine sand). The work to include proper curing, racking the joints or roughening the RCC surfaces, necessary scaffolding etc., complete in all respects as per Architect & engineer in charge.	194.00	Sqm		
1.5	CEMENT PLASTER FOR REPAIR WORK :- Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and above, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, The work to include proper curing, racking the joints or roughening the RCC surfaces, necessary scaffolding etc., complete in all respects as per Architect & engineer in charge.	1500.00	Sqm		
	<i>Make: CEMENT - ULTRATECH, SHREE ULTRA, BIRLA, ACC</i>				
1.6	GOLA 75MMX75MM INCLUDING DISMANTLING OF OLD GOLA				
	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
	In 75x75 mm deep chase	100.00	mtr		
	The work to include dismantling of old gola & removal of debris, away from site.				
	<i>Make: CEMENT - ULTRATECH, SHREE ULTRA, BIRLA</i>				
1.7	EXTERIOR PAINT				
	Finishing walls with textured exterior paint of required shade :				
	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @2.20kg/10 sqm including scraping of old surface, scaffolding arrangement etc., complete in all respects as per the instructions from Architect or Engineer in charge.	1160.00	sqm.		
	<i>Make: ASIAN PAINTS, BERGER, NEROLAC</i>				
1.8	RAIN WATER PIPE				
	Providing and fixing on wall face unplasticised Rigid UPVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
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	The work to include all accessories like Bend, Coupler, Tee, Clamps etc.				
	110 mm diameter	336.00	mtr		
	<i>Make: ASTRAL, SUPREME, ASHIRWAD, DIPLAST</i>				
1.9	REPAIRS OF CHAJJAS, BEAMS, COLUMNS ETC (MICRO CONCRETE) - UP TO 3" THICKNESS (MICRO CONCRETE)				

S.NO	SPECIFICATIONS	QNTY	UNITS	RATE	AMOUNT
	Providing encasement to columns/beams/pardi etc, with free flow high strength non shrink micro concrete M - 35(1Cement :0.5 Sand : 1 aggregate), using single cement micro concrete shrinkage components added with 100% by weight saturated dry stone dust the water cement ratio should be maintained as per manufacturer's specifications to achieve dense solid mass. The Micro concrete shall be poured properly in slurry tight prefixed holding boards formwork, fixed properly in line, level and in the required size/shape and well oiled etc. The air bubbles, if any shall be removed by tapping the boards and removing the same after 24 hours, curing the micro-concrete thoroughly for 14 Days etc. complete. The rate shall be inclusive of shuttering, strutting, curing etc. complete up to 3th floor. (Excluding cost reinforcement).	50.00	sq.m.		
	Make: Pidilite, BASF, SIKA , Ultratec, JK Cement				
1.10	MAKING CUT OUT IN MASONRY WALL :- Making openings in brick masonry including dismantling in floor or walls by cutting masonry and making good damages to walls, flooring and jambs complete, to match existing surface i/c disposal of malba/rubish to nearest munciple dumping ground inclusive of lintel support in Cuddapah stone of thickness 25mm to be provided where ever required. Cost to be inclusive of filling the excess opening with brick bats and finishing the same in smooth plaster in cement mortar 1:4, proper curing, giving supports to walls etc., all complete as per direction of engineer-	20.00	sq.m.		
1.11	CORE CUTTING :- Providing and making openings of 2'-0" X 1'-6" in RCC slab of thickness upto 200mm for plumbing duct, with core cutting machine inclusive of filling of core cut with fire retardant sealant of approved make as per the manufacturer's specification, cleaning, waterproofing the sides of the cut area and providing waterproofing guarantee etc complete. Note: The contractor should determine the location of beams/post tensioned tendons before carrying out the operation, getting prior approval from the builder/structural consultant and cutting all reinforcement by gas cutting machine or as directed etc., complete. As mention by the Architect.	20.00	nos		
1.12	Construction of RCC pedestal on terrace over existing beams & coumns for resting water storage tank :-	20.00	cum		
	Construction of RCC pedestal 12" thk. slab on terrace 2'-0" above the terrace floor level over existing beams & coumns for resting water storage tank with RCC M-15 (1:2:4) ratio. Supplying all materials excluding M.S reinforcement but includes RCC work, Labour, T&P and providing including cutting,bending, binding & tying the grills and placing in position including cost binding wire 18 to 20 gauge & Rigid smooth centering & shuttering for RCC works including false work & dismantling then after casting including cost of all materials and labour required for the work etc. conveyance of all materials to worksite, payment of royalty, taxes etc all complete as per direction from Engineer in charge.				
a)	12mm MS bar 6" C/C both ways (Horizintally & vertically) 2 layers 6" C/C FOR PEDESTAL FOR WATER TANKS	2150.00	KG		
Total Part-1 (REPAIRS TO TERRACE AREA):					
PART-2 : CIVIL WORKS OF BLOCK-1 (GF TO 2ND FLOOR)					
2.1	DISMANTLING WORK				
a)	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
	For thickness of tiles 10 mm to 25 mm	770.00	Sqm		
2.2	WATER PROOFING OF SUNKEN FLOOR (TOILETS)				
	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:	290.00	Sqm		

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	(i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.				
	(ii) 2nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.				
	(iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.				
	(iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).				
	MAKE: Bitumen Sheet : STP (Shalimar Tar Products),				
	PVC Sheet: Garware/Reliance				
	Waterproofing Compound: FOSROC/SIKA/PIDILITE				
2.3	CEMENT CONCRETE SCREEDING IN TOILETS				
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:2:4 (1 cement : 2 coarse sand(zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	84.00	cum		
2.4	BRICK MASONRY IN WALLS				
a)	9" THK BRICK WORK				
	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :	1	cum		
	Cement mortar 1:4 (1 cement : 4 coarse sand)				
b)	4.5 " THK BRICK WORK				
	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
	Cement mortar 1:4 (1 cement :4 coarse sand)	69.00	Sqm		
c)	GRC JALI :- Providing & Fixing of GRC Panels Casted with Power Spray Concrete Mix Design complete in all respects as per Architect & engineer in charge.	32.00	Sqm		
2.5	VITRIFIED TILES IN FLOORS & DADO				
a)	VITRIFIED TILES 600X600MM (GVT/ ANTISKID) - WITH CEMENT MORTAR (IN TOILET FLOORS)				
	Providing and laying Vitrified tile s in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.	138.00	Sqm		
	Basic Rate :Rs. 55/- psft				
	Tile make: KAJARIA, JOHNSON, NITCO				
b)	VITRIFIED TILES 600X600MM (GVT/ ANTISKID) - WITH CEMENT MORTAR (IN BALCONIES FLOORS)				
	Providing and laying Vitrified tile s in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.	107.00	Sqm		
	Basic Rate :Rs. 55/- psft				

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	Tile make: KAJARIA, JOHNSON, NITCO				
c)	VITRIFIED TILES 600X1200MM (GVT/GLAZED) - IN ROOMS WITH ADHESIVE OVER OLD FLOOR WITH 4mm SPACERS				
	Size of Tile 600 x 1200 mm	143.00	Sqm		
	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness, providing 4mm SPACERS, including filling & grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
	Basic Rate :Rs. 65/- psft				
	Tile make: KAJARIA, JOHNSON, NITCO				
	Adhesive: KARAKOL, MYK LATICRETE, MAPEI, DR FIXIT				
d)	WALL TILE 600X300 (GVT / POLISHED) TOILETS				
	Providing and laying Vitrified tiles in different sizes (thickness to be specified by 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 12 mm thick bed of cement mortar 1:3 (1cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete	581.00	sq.m.		
	Wall tile 600x300 (GVT / POLISHED) toilets				
	Basic Rate :Rs. 40/- psft				
	Tile make: KAJARIA, JOHNSON, NITCO				
2.6	GRANITE IN COUNTERS /SLABS INCLUDING MOULDING ON VISIBLE EDGES				
a)	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer in Charge				
	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent with moulding on visible edges	54.00	Sqm		
	Basic Rate :Rs. 180/- psft				
2.7	Marble stone flooring :- Marble stone flooring with 18mm thick marble stone as per sample of marble shall be approved by Engineer-in-charge over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with :				
	Agaria White	50.00	sq.m.		
	Basic Rate :Rs. 80/- psft				
2.8	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete in as respect as per the instruction of Architect or Engineer in charge.	80.00	sq.m.		
2.9	PAINT WORK WITH REPAIR/ PUTTY & PRIMER				
a)	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre. of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
	Two coats. (including Putty & repairs as required)	933.00	Sqm		
b)	PRIMER				
	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.	933.00	Sqm		

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	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre				
	MAKES: ASIAN PAINTS, BERGER, NIPPON, NEROLAC				
2.10	GYPSBOARD FALSE CEILING:				
	Providing and fixing suspended false ceiling including steps as per design with 12.5mm tapered edge Gypsum Board to the grid comprising of cold rolled galvanized metal section to the required line and level. The grid consists of a perimeter channel (MF6a of dimensions 20mm x 27mm x 37mm x 3.5M) fixed round the perimeter to receive and of the ceiling section (MFS) and the outer edges to gypboard. The intermediate channel (MF7) of dimensions 15mm x 45mm x 0.9mm x 3.6M) at 1200mm c/c in the one direction and the ceiling section (MFS of dimensions 80mm x 26mm x 0.5mm x 3.6M) at 450mm c/c in the other direction are connected by a connecting clip (MF9). The grid is suspended with an adjustable strap hanger (MF9). The grid is suspended with an adjustable strap hanger (MF8) of dimensions 2Smm x 0.5mm) at 1200mm c/c on both ways from the structural soffit using a soffit cleat and expandable bolts/fasteners Nut and bolts are used to connect strap hangers to soffit cleats and for joining ends of channel sections together.	119.00	Sqm		
	The gypsum board layers are screwed to the M/F ceiling sections with gypboard drywall screws. Jointing and screw spotting are then carried out as per manufacturer's standard recommendations. Perimeter Channels (MF7) to be used around the cut outs for light fittings. AIC ducting etc. The payment area will be the visible area only The work should be complete as per instructions of Architect or Engineer in charge.				
	MAKES: INDIA GYPSUM, ST. GOBAIN, LAFARGE				
2.11	RCC SLAB FOR WASHBASIN COUNTER (INCLD. SHUTTERING, RCC, STEEL)				
	Providing & laying RCC slab 2.5" thick for WHB, including shuttering, providing , cutting & binding steel (TMT), Reinforced Cem. Conc. 1:2:4, complete in all respects. Reinforcement in slab shall be 12mm dia Tor steel spaced @ 6" c/c bothways.	18.00	sqm.		
2.12	POLISH IN DOORS & CHOWKHATS				
	French spirit polishing :				
	Two or more coats on new works including a coat of wood filler.	112.00	sqm.		
	* Surface area of the window / shutters including chowkhat (out to out) shall be measured for payment), No payment shall be made for thickness of chowkhats & shutters				
2.13	ENAMEL PAINT IN WINDOWS, CHOWKHATS & RAILING				
a)	NEW WORK:				
	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	Two or more coats on new work.	50.00	sqm.		
b)	OLD WORK:				
	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
	One or more coats on old work.	233.00	sqm.		
	* Surface area of the window / shutters including chowkhat (out to out) shall be measured for payment), No payment shall be made for thickness of chowkhats & shutters				
2.14	TEXTURE PAINT (INTERIOR)				
	(Madrasi Dana) including applying average 12mm to 15mm thick POP Punning over cement plaster in line & plumb finished smooth to receive paint. (Internal surfaces of walls).as per approved. Suggested Brand Asian Paints.	1340.00	sqm.		
	Total Part-2 CIVIL WORKS OF BLOCK-1 (GF TO 2ND FLOOR):				

S.NO	SPECIFICATIONS	QNTY	UNITS	RATE	AMOUNT
3.1	Removal of Old Sanitary & CP Fittings, Sunken portion of toilets, Removal of Malba, old Watersupply & sewerage pipes including stacks from all 3 floors & terrace. The work to include stacking neatly the serviceable material & removal of un serviceable material way from site.				
(a)	TOILETS on all floors	24.00	no. (per toilet)		
3.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. : Internal work - Exposed on wall on all 3 floors & terrace				
	15 mm nominal outer dia. Pipes.	480.00	m		
	20 mm nominal outer dia. Pipes.	432.00	m		
	25 mm nominal outer dia .Pipes.	314.00	m		
	32 mm nominal outer dia. Pipes.	50.00	m		
	Make: ASTRAL / FINOLEX / SUPREME/ PRINCE				
3.3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
	25 mm nominal bore	12.00	No.		
	20 mm nominal bore	24.00	No.		
	32 mm nominal bore.	12.00	No.		
	Make: ASTRAL / FINOLEX / SUPREME				
3.4	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
	25 mm nominal bore	8.00	No.		
	Make: Zoloto, Leader, Sant, Indusroof, L&T, Audco				
3.5	Providing and fixing gun metal non- return valve of approved quality (screwed end) :				
	Horizontal	12.00	No.		
	Make: Zoloto, Leader, Sant, Indusroof, L&T, Audco				
3.6	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. The work to include disconnecting & removing old water tanks.	16000.00	Ltr		
	Make: SINTEX, DIPLAST, SUPREME, ASTRAL				
3.7	Providing & fixing UPVC(SWR) Pipes Type B, heavy class conforming to S13592 1992, including necessary fittings like bend, offset, collars etc., complete. The pipes & joints shall be water tight to withstand pressure up to 6kg/sq.cm. for minimum 15minutes. Rates to include cutting/ chasing walls, floor, fixing pipe & making good the damages with cement mortar AND CONNECTING UPTO TO EXISTING EXTERNAL MANHOLES, complete in all respect, on all 3 floors & terrace				
	40mm	96.00	mtr		
	75mm	250.00	mtr		
	100mm	200.00	mtr		
	MAKE: PRINCE / SUPREME / DIPLAST/ ASTRAL				
3.8	Providing & fixing 15mm dia CP Angle valve & Angular stop cock with CP wall flange, complete.	144	nos.		
	MODEL = Cat. No.: F690043 of HINDWARE or equivalent of Kohler / Jaguar				
	Providing & fixing 15mm dia BIB COCK , with with CP wall flange, complete.				
	EXPOSED-MODEL= F690004 of HINDWARE or equivalent of Kohler / Jaguar	24	nos.		

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	Providing & fixing 15mm dia SINGLE LEVER basin mixer consisting of operating lever, with with CP wall flange & Spout, complete. <i>MODEL= F690011 of HINDWARE or equivalent of Kohler / Jaquar</i>	24	nos.		
	Providing & fixing Wall mixer with provision for overhead shower with 115mm long bend pipe , etc complete as required. <i>MODEL= F690020 of HINDWARE or equivalent of Kohler / Jaquar</i>	24	nos.		
	Providing & fixing 5 FLOW OVERHEAD SHOWER , massage flow, rubbit cleaning system, 86mm dia, complete. <i>MODEL= F160010 of HINDWARE or equivalent of Kohler / Jaquar</i>	24	nos.		
	Providing & fixing floor mounted one-piece water closet with cistern, size:70x37x765cm including soft closing seat cover, anchor fasteners, etc complete as required. <i>MODEL= 92577(S-22) ENIGMA, of HINDWARE or equivalent of Kohler / Jaquar</i>	24	nos.		
	Providing & fixing HEALTH FAUCET/WASHER with 1.2M ss flexible tube & wall hook, complete in all respects <i>MODEL= F160193 of HINDWARE or equivalent of Kohler / Jaquar</i>	24	nos.		
	Providing & fixing table top Wash Basin of size 47x36x13 cm, with POP UP waste etc complete in all respects <i>MODEL= 91239 CHARM(Super White) of HINDWARE or equivalent of Kohler / Jaquar</i>	24	nos.		
	POP UP Waste: F860053) of HINDWARE or equivalent of Kohler / Jaquar				
	Providing & fixing CP jali (heavy with CP outer ring, complete in all respects. <i>MODEL= F860056 of HINDWARE or equivalent of Kohler / Jaquar</i>	48	nos.		
	Providing & fixing bottle trap,32mm with 125mm & 175mm long wall connection pipe & wall flange (Premium) complete in all respects. <i>MODEL= F850015 of HINDWARE or equivalent of Kohler / Jaquar</i>	24	nos.		
	Providing & fixing 600x450 mm or as directed, beveled edge mirror 5.5 mm superior glass (ATUL/ ASAI /SAINT GOBAIN) complete with 6 mm thick hard board ground fixed to wooden cleats & CP brass screws, washers & clips etc. complete.	24	nos.		
Total Part-3 PHE OF BLOCK-1 (GF TO 2ND FLOOR) & TERRACE:					
PART-4 : INTERIOR / CARPENTARY WORKS:					
4.1	DOORS WITH CHOWKHATS (NEW)				
a)	HDHMR CLADDING OVER OLD CHOWKHATS:- Providing 8mm thk. HDHMR cladding on visble faces exisitng chowkhats, complete in all respects	129.00	mtr		
b)	WPC (WOOD POLYMER COMPOSITE)DOOR FRAME:				

S.NO	SPECIFICATIONS	QNTY	UNITS	RATE	AMOUNT
	<p>Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. The work to include dismantling of existing chowkhat with dismantling of hold fast and necessary repair of brick and plaster, complete in all respects.</p> <p>Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra</p>	121.00	mtr		
c)	WPC (WOOD POLYMER COMPOSITE)DOOR SHUTTER: 2'-6X7'				
	<p>Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge.The doors to be provided with 6-lever mortice lock with handle, 2 no. tower bolts, SS hinges (4no.), stopper etc.</p>	39.00	sq.m		
d)	Flush doors with frame (one wire mesh door for each balcony): P/ F 60 mm thk exterior grade double padam chougath with 2 no. of Doors one wire mesh door finished with 2 coats of melamine polish giving approved shade & 1 no. of Flush door with 1mm thick mica of approved shade, including 1st Class CP Teak Wood Frame of size 150mm x 50 mm polished / painted. The door shall be provided with approved make lock, heavy duty door closer, 4 nos. of 5" brass oxidized hinges, SS Brush finish H handle of 9" complete. Approx. Size:- 2'-6" to 3'-3"x7'-0".				
	3' x7'	15.00	nos.		
	MAKES(FLUSH DOORS): Century, Greenply, AMULYA				
	HDHMR: Action TESA / Century /Greenply				
	LAMINATE: AMULYA/CENTURY/GREENLAM				
e)	REPAIRS OF DOORS	58.00	nos.		
	Removal and repair of existing old doors : Removal of wooden flush doors out of chowkhats, re-sizeing and repairing the door,scrapping of old paint, Refixing including 1mm thick mica of approved shade, The door shall be provided with approved make lock, heavy duty door closer, 4 nos. of 5" brass oxidized hinges, SS Brush finish H handle of 9" complete. Approx. Size:- 2'-6" to 3'-3"x7'-0".				
	MAKES(FLUSH DOORS): Century, Greenply, AMULYA				
	HDHMR: Action TESA / Century /Greenply				
	LAMINATE: AMULYA/CENTURY/GREENLAM				
4.2	REPAIRS OF WINDOWS				
	Replacing of damaged window glass (as required):				

S.NO	SPECIFICATIONS	QNTY	UNITS	RATE	AMOUNT
	Providing & fixing glass in existing MS Windows including removal & dispose off the existing broken glass & filling the gaps complete in all respects as per Architect & engineer in charge. all as per direction of Engineer-In- Charge.				
a	Providing & fixing 5.0 mm thick glass panes (weight not less than 12.50 kg/sqm). In fixed parts of the windows with matching teakwood beading	200.00	sq.m		
4.3	HARDWARE:				
a)	P/F Handles: 6" Stainless steel handles for windows	72.00	no.		
b)	P/F Tower bolt 4" Stainless steel	72.00	no.		
c)	P/F Window stays, stainless steel	72.00	no.		
4.4	WALL PANELING (1.0mm Th. Laminate) upto 9'-0" high				
	Providing and fixing panelling on column/wall. Framing shall consist of Heavy duty Aluminium Box (18 gauge) Sections 50mmx25 mm with maximum spacing of @ 600mm c/c Both ways horizontally and vertically on the column/wall. This framing would be covered by 8mm thk. ISI Marked Ply finished in approved 1.0mm Th. Laminate (Merino / Sunmica / Formica) of desired shade and design. Wooden molding, lipping etc. shall be provided wherever required as per drawing and deco painted in desired shade. The paneling shall have skirting and intermediate bands finished with metallic laminate of desired shade and design. The work shall also include the cost of making cut-outs for the electrical switches, lights, switch boxes etc. and provision for laying conduit for electrical/telephone/Data cabling etc. (Baisc Cost of Mica @ 32 Rs./sqft)	128.00	sq.m		
	Total Part-4 (INTERIOR / CARPENTRY WORKS:)				
6	CREDIT OF OLD MATERIAL (BUY BACK) :				
a)	Old wooden / skin doors with chowkhats all sizes	30.00	no.		
b)	Old Wooden Jaali door shutters	15.00	no.		
	Total Part-6 (CREDIT OF OLD MATERIAL:)				
	SUMMARY				
	PART-1: REPAIRS OF TERRACE AREA				
	PART-2 : CIVIL WORKS OF BLOCK-1 (GF TO 2ND FLOOR)				
	#REF!				
	PART-4 : INTERIOR / CARPENTRY WORKS:				
	part-6: CREDIT OF OLD MATERIAL				
	TOTAL OF PART-1, PART-2 & PART-3 & PART-4, PART-5 & PART-6				
				GST @ 18% EXTRA	