

**NAME OF WORK : PROPOSED REPAIR & RENOVATION OF RESIDENTIAL BLOCK'S 'I' TYPE (GR. + 01), ONE BLOCK AT NIHARIKA, KORBA (PHASE-III)**

**BOQ OF CIVIL RENOVATION WORK**

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	<b>Dismantling</b>				
1	<b>Dismantling(Internal &amp; External Plaster)-</b> Carefully breaking and removing the existing cement plaster complete in all respect from the walls without disturbing the R.C.C. structure & Brick masonry including cement mortar to get a smooth wall including disposing the debris up to 50m or to a place approved by Engineer-in-charge. With required manpower, Tools & plants, Scaffolding at required height. ( <b>Note:- Working level upto 8.00m Height from Plinth level.</b> )	1466.00	SQM		
2	<b>Dismantling(Tiles)-</b> Carefully breaking and removing the existing tiles and mosaic skirting etc. complete in all respect from the walls without disturbing the R.C.C. structure & Brick masonry including cement mortar to get a smooth wall including carting away, disposing the debris up to 50m or to a place approved by Engineer-in-charge.. With required manpower, Tools & Plants, Scaffolding at required height. ( <b>Note:- Working level upto 8.00m Height from Plinth level.</b> )	251.00	SQM		
3	<b>Dismantling The Toilet floor</b> and removal of entire filling material including concealed pipes, traps, Wash basin, W. C. seat, brick bat coba etc complete and cleaning the surface to make ready for water proofing treatment in all floors level. disposing the debris up to 50m or to a place approved by Engineer-in-charge.. With required manpower, Tools & Plants etc complete. <b>Note:- Working level upto 8.00m Height from Plinth level. (Depth of sunken portion is 300mm to 400mm)</b>	10.00	SQM		
4	<b>Dismantling and carefully removing existing Windows/ Door/ Ventilators</b> shutters/Frames & leaving the grill intact in place. All work with proper scaffolding arrangement from out side & disposing th debris up to 50m or to a place approved by Engineer-in-charge.. With required manpower, Tools & Tackles. ( <b>NOTE:- Door size maximum 1.1m x 2.10m &amp; Window Size 1.50X1.20</b> )	52.00	NOS		
5	<b>Dismantling &amp; removing existing R.C.C. kitchen platform</b> of 24" to 26 " clear width and support brick work 4" to 8" thick and disposing the debris up to 50m or to a place approved by Engineer-in-charge.	14.00	RMT		
6	<b>Removing existing worn out cupboard shelves</b> and disposing all debris up to 50m or to a place approved by Engineer-in-charge	22.00	SQM		
7	<b>Demolishing of R.C.C Chajja</b> by manually/ mechanical means. All work with proper scaffolding arrangement from out side & disposing the debris up to 50m or to a place approved by Engineer-in-charge.. With all required manpower, Tools & Tackles	40.00	RMT		
8	<b>Providing and fixing New cupboard shelves</b> of approved quality Green Marble 19mm thick stone shelves in the kitchen & Bedroom including Pre-polish, edge polishing ,Moulding, cutting suitable groove to rest the stone shelves and necessary repairing and making good the surface. fixing as directed by architect or engineer inchage.	24.00	SQM		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
9	<b>INTERNAL PLASTERING</b> Providing and applying 12/15mm avg. thick smooth finish cement Plaster in cement mortar 1:4 to all internal walls, ceiling using fine sand( locally available) and adding additives polypropylene fiber of approved quality in desired quantity per bag of cement as per manufacturers specifications direction. Rate includes providing chicken mesh/glass fiber mesh to all joints of RCC members with Brick walls in all positions in line, level & plumb at all levels and heights with necessary scaffolding, cleaning of surfaces, raking out joints, roughening of surfaces ,curing(minimum 7 Days) etc complete as directed and as per site conditions. NOTE:- No extra cost will be paid for extra thickness of plaster.	870.00	SQM		
10	<b>External PLASTERING</b> Providing and applying 18/20mm avg. thick smooth finish cement Plaster in cement mortar 1:4 to all External walls, using fine sand ( locally available) and adding additives polypropylene fiber of approved quality in desired quantity per bag of cement as per manufacturers specifications direction. Rate includes providing chicken mesh/glass fiber mesh to all joints of RCC members with Brick walls in all positions in line, level & plumb at all levels and heights with necessary scaffolding, cleaning of surfaces, raking out joints, roughening of surfaces ,curing(minimum 7 Days) etc complete as directed and as per site conditions. NOTE:- Height of work is 8.10 meter approx. from plinth level. No extra cost will be paid for extra thickness of plaster. All safety parameter and scaffolding, safety belt etc.in vendor scope.	535.00	SQM		
11	<b>Wall Putty</b> Preparing wall surface by rubbing with sand paper/ wire brush, removing all dirt, smoke, grease, loose plaster, Vegetation etc. complete and <b>applying two or more coats</b> of approved Birla white putty to all internal walls duly rubbed with sandpaper to ensure smooth finished plain surface and apply Primer, ready for applying emulsion paint. The rate to include necessary scaffolding etc. complete as directed by the Architect or Engineer-in-charge.	999.00	SQM		
12	<b>PREMIUM EMULSION PAINT (Internal Walls)</b> , Providing and applying two or more coats of approved quality Acrylic Emulsion paint (vinyl base) of approved manufacturer specification like Asian, Nerolac, ICI, Berger or equivalent of approved colour, shade, and pattern <b>to internal walls</b> including necessary scaffolding etc. complete as directed by the Architect or Engineer-in-charge (Premium Emulsion or Equivalent.). COLOR SHADE APPROVED BY ENGG. IN-CHARGE WITH ARCHITECT.	843.16	SQM		
13	<b>Celling painting:-</b> Preparing the ceiling surfaces by rubbing with sand paper/ wire brush, removing all Existing painting with putty dirt, smoke, grease, loose plaster etc. <b>Providing and applying Two or more coats of approved quality wall putty (Birla White Putty), including of colour and shade Acrylic Emulsion white colour</b> of approved manufacturer specification like Asian, Nerolac, ICI, Berger or equivalent and over a coat of cement primer to the ceilings, Toilet walls etc. at all heights including necessary scaffolding etc. complete. <b>(Note:-The Rate include applying putty wherever necessary to ensure plain surface.)</b>	154.75	SQM		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
14	<b>WEATHER COAT EXTERIOR EMULSION PAINT(APEX ULTIMA)- Outer the Building surface area,</b> Providing and applying two or more coats of Apex Ultima or equivalent make weather proof exterior emulsion paint of required shade after thoroughly brushing the surface free from Existing Painting work and mortar dropping and other foreign matter, including one or two coats of exterior primer, applying two coats of Birla White putty, crack fill including preparing the surface even and sand papered smooth etc. complete as directed by Architects / Engineer-in-charge. NOTE:- Height of work is 8.10 meter approx. from plinth level. All safety parameter and scaffolding, safety belt etc.in vendor scope. COLOR SHADE APPROVED BY ENGG. IN-CHARGE WITH ARCHITECT.	535.00	SQM		
15	<b>Synthetic Enamel Paint</b> Cleaning the surface thoroughly and removing the external elements, if any , such as dust, dirt, grease etc. providing and applying Two coats of Red-oxide primer, rubbing upto finished level and three coats of 1st grade <b>synthetic enamel paint</b> of approved manufacturer specification in approved colour and brand. All complete including scaffolding , cleaning the site etc. ( <b>Applied area M.S. Grill.) Makes:- Asian, Nerolac Berger or equivalent.</b>	30.00	SQM		
16	<b>Kitchen platform Vertical Marble Supports</b> Providing & fixing Marble Supports below 24" to 26 " clear width Kitchen platform comprising of minimum 40mm thick marble supports (made out of av. 18mm thick double marble slabs sandwiched together using approved adhesive). The supports to be placed at specified intervals. as per the drawings	8.00	SQM		
17	<b>Kitchen Platform</b> Providing & fixing 18mm thick prepolished Jet black granite on Top preferably in one piece with minimum length of 6 ft. including necessary plastering curing etc. complete. with 4" wide granite stone band (Front fascia) with polished & moulded edges in front, making necessary cut out for for SS sink, provide suitable sleev for gas pipe etc.The scope of work to include The Top slab of the platform consisting of av. 20mm thick Kotah/Rajim stone support slab, etc complete as directed by architects or engineer-in-charge ( <b>Basic cost of Granite(Black-Jet) is 1800/- to 2000/- per SQM.</b> )	7.00	SQM		
18	<b>Multi/Double Charged Vitrified floor tiles</b> Providing and laying Vitrified floor tiles Multi/Double Charged, in different sizes with water absorption less than 0.05% and conforming to IS : 15622 of approved make in all colours & shades, 1st quality/ premium in flooring , Or over Existing Flooring By rubbing the floor with rush abrasives to make the floor rough and then using approved adhesive specified for tiles over tiles flooring in all shapes and patterns including grouting the joints with white cement and matching pigments etc complete. <b>NOTE:- Sample approved by Architects or Engineer In-charge. Makes:- RAK, Simpolo, Kajaria, Nitco, Qutone or equivalent. (BASIC RATE OF TILE 690/- PER SQM.) SIZE:- 600MM X 600MM</b>	146.00	SQM		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
19	<p><b>Vitrified tiles skirting</b>  Providing and laying Multi/Double Charged, with water absorption less than 0.05% and conforming to IS : 15622 of approved make in all colours &amp; shades, 1st quality/ premium in flooring , laid on 20 mm thick cement mortar 1:4 (1 cement : 4 sand) Or over Existing Flooring By rubbing the floor with rush abrasives to make the floor rough and then using approved adhesive specified for tiles over tiles flooring in all shapes and patterns including grouting the joints with white cement and matching pigments etc complete. NOTE:- Sample approved by Architects or Engineer In-charge. Makes:- RAK, Simpolo, Kajaria, Nitco, Qutone, or equivalent. (BASIC RATE OF TILE 690/- PER SQM.)</p>	52.00	SQM		
20	<p><b>Antiskid floor tiles for Toilets and Wash Area</b>  Providing and laying Antiskid floor tiles for Toilets and Wash Area, size of tiles are 300mm x 300mm, 12 mm thickness with water absorption's less than 0.08% and conforming to IS: 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement :4 sand) including grouting the joints with white cement with matching pigments etc., complete.. Make Kajaria, Simpolo, Nitco, Somani OR equivalent etc as approved. The work should be carried out in Toilet floors with adequate slope including cutting holes for Nahani Trap grating etc. complete.(Sizes are 300mmx300mm). NOTE:- Sample approved by Architects/Bank or Engineer In-charge. (BASIC RATE OF TILE 450/- PER SQM.)</p>	10.00	SQM		
21	<p><b>Ceramic Glazed Wall Tiles</b>  Providing and fixing Ceramic Glazed Wall Tiles sizes of tiles 300x450 mm or more (having thickness 8 to 10 mm) of 1st quality conforming to IS : 15622 of approved make in all Colours shades, laid on 12mm thick bed of Cement Mortar 1:3 (1 Cement : 3 sand) jointed with grey cement slurry @3.3 kg per sqm including pointing the joints with white cement and matching pigments etc., complete. NOTE:- Sample approved by Architects/BANK or Site In-charge. Size:- 300mmx 450mm or as per directed by engg. In-Charge with Architect. Makes:- Kajaria, Simpolo, Nitco, Somani OR equivalent. (BASIC RATE OF TILE 290/- PER SQM.)</p>	106.00	SQM		
22	<p><b>GRANITE STONE DOOR SILL (COLOUR:-BLACK JET),</b>  Providing and fixing 18mm thick gang saw cut mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , door sills facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to edge to give high gloss finish wherever required etc. complete at all levels. samples approved by Engineer-in-charge. Granite of approved colour and shade Bath Room and W.C. Door sill. (BASIC RATE OF GRANITE 1500 TO 1800/- PER SQM.)</p>	4.00	SQM		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
23	<b>Wall Hung WASH BASIN (Wall Mounted)</b> Providing and fixing Wall Hung WASH BASIN including making all connections, required Bracket but excluding the cost of fittings. Make : Hindware, Jaguar, Parryware or equivalent as approved. Proper fixing line & level, testing etc. complete in all respect as well as works as per directed by Engg. In-Charge. (WASH BASIN SIZE = 55x43x29 CM), MAKE:- Hindware Cat. No.Wall mounted Oval shaped white basin Constellation-10032 OR EQUIVALENT. Basic rate is 2390/-	4.00	NOS		
24	<b>Angle Valve</b> Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:893   <b>Make:-Hindware Parryware or equivalent</b> 15 mm nominal bore . <b>Basic rate is 350/-</b> .	36.00	NOS		
25	<b>Waste Coupling for Basin</b> Providing and fixing CP brass waste coupling of approved quality and make for sink and wash basin. Waste coupling 38mm of 83mm length and 77mm breadth <b>Make:-Hindware Parryware or equivalent . Basic rate is 380/-</b>	4.00	NOS		
26	<b>Bottle Trap for Basin</b> Providing and fixing CP brass bottle trap of approved quality and make for sink and wash basin.(Jaguar Essco, Hindware Parryware or equivalent), <b>Basic rate is 880/-</b>	4.00	NOS		
27	<b>Indian Type W.C. pans including Flushing Cistern,</b> Providing and fixing white vitreous china water closet squatting pan (Indian Type W.C. pans) with 100mm sand C.I. 'P' or 'S' trap, low level, flushing cistern (HINDWARE,JAQUAR, PARRYWARE or equivalent) with fitting 32mm diameter pvc flush pipe with fittings and clamps,20 mm with spacers etc complete. including cutting and making good the walls and floors. Where ver required Orissa Pattern W.C. pan 53x41 cms of any colour (Hindware Cat. No. 20004 )or equivalent as approved. Sample approved. Basic rate is 2850/- with cistern.	4.00	NOS		
28	<b>PVC Nahani trap</b> Providing and fixing 100 mm dia heavy quality approved make PVC Nahani trap with 75 mm dia outlet , embedding the trap in cement concrete using 1: 3 : 6 mix with 20 mm metal complete including joining effluent pipe etc, and fixing 125 mm dia CP brass grating etc. complete. <b>(Makes:- Supreme, Astral or Equivalent.)</b>	20.00	NOS		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
29	<b>stainless steel jali (grating)</b> Providing and fixing stainless steel jali (grating) with or without hole for waste pipe for floor/ Nahani trap inner lining in SS	20.00	NOS		
30	<b>Long Body Bib Cock</b> Providing and fixing heavy duty 15 mm dia CP brass Long Body Bib Cock with wall flange all complete. Long Body Bib cock with wall flange, <b>Make:- Hindware, Jaguar Essco, Hindware Parryware or Equivalent. Sample approved by Architects/Bank or Site In-charge.</b> Basic rate is 980/-.	12.00	NOS		
31	<b>Pillar Cock</b> Providing and fixing Pillar Cock - Quarter Turn, make:- Hindware Parryware or equivalent, Parryware or Equivalent and approved by Architects. Basic rate is 1450	4.00	NOS		
32	<b>Wall Mixer Bathroom</b> Providing and fixing in position Wall Mixer with 115 mm long bend pipefor connection to over head shower (Whit Connecting legs and wall flenges.) with areator Make:- Hindware Parryware or equivalent OR EQUIVALENT. Sample approved by Architects/ Bank or Site In-charge. Basic rate is 3150/-	4.00	NOS		
33	<b>Sink Spout</b> Providing and Fixing Sink Cock with Regular Sewinging Spout(Wall Mounted Model) with Wall flange. Make:- Jaquar(FLR-5347N), Parryware, Hindware or Equivalent and approved by Architect.	4.00	NOS		
34	<b>overhead shower with arm</b> Providing and fixing heavy duty 15 mm dia CP overhead shower with arm(Shower Arm 20mm & 200/450mm Long Round shape with 90 Degree Bend for wall mounted shower with flange. Overhead Shower 105mm Dia. Round shape single flow ABS body chrome plated with Gray face plate, Rubit cleaning system. <b>Make:- Hindware, Parryware OR EQUIVALENT all complete. Sample approved by Architects/Bank or Site In-charge. Basic rate is 1750/-</b>	4.00	NOS		
35	<b>Soap Dish Holder</b> Providing and fixing in position best Indian C. P. Brass made (0.3 micron Chrom and 10 micron Nickel plated) Soap Dish Holder. <b>Make:- Hindware, paryware OR EQUIVALENT. Sample approved by Architects/Bank or Site In-charge</b>	4.00	NOS		
36	<b>Towel rail</b> Providing and fixing Towel rail (STAINLESS STEEL) 600 mm long having approx. wt.500 gm, including ss make screw or fasteners proper line and level as per directed by Engg. In-charge . <b>Make:- Hindware, Paryware, OR EQUIVALENT. Sample approved by Architects/ Bank or Site In-charge. Basic rate is 950/-</b>	8.00	NOS		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
<b>37</b>	<b>PVC pipes</b> Supplying and fixing approved quality of rigid <b>SWR(TYPE-B)</b> PVC pipes(All Vertical Pipes on Wall SURFACES used PUSHFIT AND HORIZONTAL SURFACE USE SOLFIT PIPE AND FITTINGS) of Ashirwad make or equivalent , jointing the pipe and including required Fittings(Bend, Elbow, Y-shape with Door, Coller, Socket, etc.) with suitable solvent as per manufacturers specifications, laying the pipes under floor , ceiling or on the walls as per the required gradient including providing necessary support, clamps, scaffolding etc. conveying the materials to all floors making holes in masonry or concrete cutting the pipe to required length, testing to a head of 1.8 m for horizontal pipes and for vertical pipes by filling with water etc. complete including necessary scaffolding at all levels as required. <b>Note:-Cost Including Existing Pipe removing and placing as per directed by Engg. In-Charge.</b>				
(a)	40/50mm dia UPVC Pipe Under Floor in Bathroom.	20.00	MTR		
(b)	63mm dia UPVC Pipe Under Floor in Bathroom.	60.00	MTR		
(c)	110mm dia PVC Pipe (Rain Water)	120.00	MTR		
<b>38</b>	<b>solid waste pipes</b> Providing and laying below ground unplasticized PVC pipe to with stand working pressure of 4 kg/cm2 solid waste pipes confirming to IS:13592 and IS:4985 including jointing with seal ring confirming to IS :5282 leaving 10mm gap for thermal expansion all necessary fittings including. Cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) all-round PVC. pipes including bed concrete as per standard design etc. complete 160mm dia PVC Pipe	80.00	MTR		
<b>39</b>	<b>Kitchen sink</b> Providing and fixing steel Kitchen sink, make:-Nirali, carysil or equivalent Over all size are 625mmx445mm(24.5" x 17.5") Bowl size are 21"x14:x8" on the kitchen platform including providing and fixing base coupling, waste pipe, Bottle Trap and Drain Pipe up to Trap etc. complete with cleaning and finished as per directed by Engg. In-Charge.. Make:- Nirali Sink, Carysil or Equivalent, <b>Sample approved by Architects/Bank or Engineer- In-charge.</b> Basic rate is 4100/-	4.00	NOS		
<b>40</b>	Providing and fixing <b>G.I. Pipe ('B' Class) complete with G.I. fittings(Reducer, Union, socket, Elbow etc.)</b> and clamps, including cutting and making good the walls, required excavation on ground, back filling etc. All works as per directed by Engg. In-Charge. Note:- Connecting to existing or New line. <b>Make:- Jindal, APL Apollow or Equivalent, sample approved by Architects/Bank or Site In-Charge.</b>				
	GI Pipe 40mm dia	10.00	MTR		
<b>41</b>	<b>CPVC Pipes</b> Providing and fixing in position Chlorinated Polyvinyl Chloride(CPVC) SDR-11 pipes and fittings having thermal stability for hot and cold water supply including all CPVC plain and Brass threaded fittings i/c fixing the pipes with clamps at 1.00 M spacing . This rate includes jointing of pipes with one step CPVC solvent cement, cost of cutting chases in wall/floor etc. and making good the surface for Concealed piping work etc. Complete. <b>Make:- Ashirwad, Astral, Finolex or Equivalent, sample approved by Architects/Bank.</b>				

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
b	20 mm dia. nominal bore	40.00	MTR		
c	25 mm dia. nominal bore	150.00	MTR		
<b>42</b>	<b>CPVC BALL VALVE</b> Providing and fixing CPVC Schedule80 BALL VALVE approved quality, including necessary fitting and required for connections. <b>(NOTE:- BRASS THREADED (TWO SIDE). Make:- Ashirwad, Astral, Finolax or Equivalent, sample approved by Architects/Bank.</b>				
b)	For 25mm NB	12.00	NOS		
<b>43</b>	<b>CEMENT CONCRETE</b> Providing and laying average 50mm to 65mm thick CC 1:2:4 for base concrete for Toilets in proper slope. All works as per directed by Engg. In-Charge.	70.34	SQM		
<b>44</b>	<b>bevelled edge mirror</b> Providing and fixing 750x600mm bevelled edge mirror of superior glass approved quality complete with 6mm thick asbestos sheet ground fixed to wooden cleats with C.P. brass screws and washers. Or SS Stud fitting as per instruction of Engg. In-Charge.	4.00	NOS		
<b>45</b>	<b>M.S. wire mesh grill Door</b> Providing and fixing single or double leave M.S. wire mesh grill shutter & frame, frame made of MS angle 40x40x5 mm. The shutter shall be made with peripterial frame MS sq hollow section (hot finished welded type) 32x32x2.6 mm with two intermediate horizontal members for fixing of lock rail. The lock rail shall be 0.20 mtr. wide with 1.25 mm MS sheet. The MS grill shall be made out of 20x20x2.00mm tubular section MS sq hollow section (hot finished welded type) at spacing approx. 80.00 mm centre to centre. The shutter to be fixed with two no. MS sliding door bolt (250x16mm) and two no. MS, 125 mm handle and suitable lock of approved quality. The SS /galvanized wire mesh shall be fixed with MS flat 20 mm x 3 mm and self tapping screws. (Including the cost of suitable SS/G.I. wire mesh) . The frame to be fixed to wall with PVC sleeves 50mm with necessary screw. The cost shall include all fittings, MS hinges, fixing arrangement ( the weight of Ms sections, plate, flat, angle shall be considered for payment.)				
	(i) 3 Nos. 125mm x 3mm SS Butt Hinges.				
	(ii) 2 Nos. Anodized Alum. Tower Bolt-200mm long.				
	(iii) 2 Nos. Anodized Alum. Aldrop 300mm long with minimum 20mm shoot. Including Flat Head Nut-Bolt				
	(iv) Brass Door Stopper	520.00	KG		



S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
46	<p><b>Aluminium Sliding Windows (Shampain color)</b>  Providing and fixing :- 3-Track Aluminium sliding windows powder coated comprising sliding panels(2- Track of Glass panels &amp; 1-Track of SS wire mesh mosquito Net), with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including 5mm thk. clear Plain Glass approved make, necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Powder coated aluminium (minimum thickness of powder coating 50 micron. of approved shade.  <b>Three track three panels sliding window with fly proof S.S wire mesh. Aluminium wall 16 GAUGE, MAKE:- MAAN, JINDAL OR EQUIVALENT and single glazing bead / double glazing bead of appropriate dimension. Sample approved by architects.</b></p>	31.20	SQM		
47	<p><b>ALUMINIUM LOUVRED VENTILATOR (Shampain color)</b>-Providing and fixing colour anodised, aluminium ventilator with extruded built up section as per above specification of wall thickness not less than 1.5 mm and approve make glazed with 4 mm thick opaque glass louver 100mm wide . Aluminium wall 16 GAUGE, MAKE:- MAAN, JINDAL OR EQUIVALENT and single glazing bead / double glazing bead of appropriate dimension. Sample approved by architects.</p>	3.00	SQM		
48	<p><b>PVC FACTORY MOULDED DOOR SHUTTER</b>  Providing and fixing <b>28mm</b> thick branded factory made moulded door shutter-Wood free. consisting of frame made out of m.s. tube of 19 gauge thickness and size 19mm x 19mm for stiles as well as top, bottom &amp; lock rail. m.s. frame shall have a coat of metal primer of approved make and manufacture. the inside panel shall consist of 20mm thick multi chamber hollow PVC section of 1mm wall thickness, bonded using solvent cement / cynoacrylate adhesive with 5mm(tolerance 0.25) thick moulded PVC sheet of density 600kg/Cbm manufactured by an ISO-9001-2015 certified company with 2,4,6 raised panel design in prelam colour after routing the moulded design on one side of the inside panel. 5mm (tolreance 0.25) prelam PVC sheet with lipping of 10mm thick &amp; 20mm wide PVC sheet baton (made by sticking 2 nos. foam PVC sheet of 5mm(tolerance 0.25) thickness using PVC solvent cement adhesive. Door edge lipping to be painted with PVC ink to matching colour of plain / Prelam moulded PVC sheet of door 20mm(5mm x 4Nos.)thick PVC sheet to be given for lock provision at lock height. Door to be fixed with frame with 3 nos. stainless steel butt hinges of size 100mm x 25mm x 2mm and 50mm long steel screws drilled suitable to pass through both the wall of the m.s. tube other hardware should be fixed with 25mm x 8mm size steel screws etc. complete in all respect. : <b>Note:- Before using this Item vendor should be sample approved by Architects/Bank or Engg. In-Charge. Mode of measurement, only front surface area of shutter. Make:- Sintex, Yesh Marketing Co. Rajkot, Guru Krupa Door-Rajkot or Equivalent.</b></p>				
	(i) 3 Nos. 125mm x 3mm SS Butt Hinges.				
	(ii) 2 Nos. Anodized Alum. Tower Bolt-200mm long.				
	(iii) 2 Nos. Anodized Alum. Aldrop 300mm long with minimum 20mm shoot. Including Flat Head Nut-Bolt				
		13.00	SQM		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
49	Providing and fixing pressed steel door frames made of 1.6 mm thick steel profile conforming to IS: 4351 manufactured from commercial mild steel sheet including hinges, jamb, lock jamb, bead and if required angle threshold of mildsteel angle of section 50x25mm, or base ties of 1.60 mm pressed mild steel welded or rigidly fixed together by mechanical means, including 2.5mm thick M.S. pressed butt hinges, with mortar guards, lock strike- plate and shock absorbers as specified filling the frame with Cement Concrete 1:3:6 at site before fixing (cost of concrete to be paid separately) fixing with adjustable lugs (200 mm long & 1.0 mm thick) and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in- charge: . Note:- Before using this Item vendor should be sample approved by Architects/Bank or Engg. In-Charge. All work complete in as per working drawings given by Architects.				
	Profile E of 1.60mm thick double rebate of size 115mmx50mm, Fixing with adjustable lugs with split end tail to each jamb.	101.00	RMT		
49-A	<b>GRANITE STONE DOOR FRAME</b> , Providing and fixing 16mm thick gang saw cut mirror polished pre moulded and prepolished machine cut Granite of approved shade, colour and texture of Granite Door frame. in cement mortar 1:3 (1 cement :3 sand) and approved Aerolite including pointing with an admixture of pigment to match the shade including fixing of granite stone door frame with epoxy resin based adhesive including secured to the backing by means of cramps, drilling of hole with rawl plugs and screws 75mm long cleaning etc. complete. Including rubbing, curing, moulding and polishing edges to give high glossy finish and drilling of hole for fixing stainless steel hinges, aldrop, tower bolt etc complete at all levels as per instruction of Engineer-in-Charge.				
	Granite Door frame for 100mm thick wall Thickness.	41.00	RMT		
50	<b>FLUSH DOOR SHUTTER</b>				
	Providing and fixing 32mm thick factory made Solid Core Flush Door Shutters of approved make (ISI mark confirming to IS:2202) as per sample approved including providing 6mm thick TW lipping all around on edges. Both faces of the shutter duly laminated with 1mm thick approved quality and shade laminate. The rate includes necessary screw/fasteners, hardware and the cost of polishing/painting of edges of shutter complete with following hardware fittings per shutter: <b>Note:- Before using this Item no. vendor should be inform Architects or Engg. In-Charge with evidence.</b>				
	(i) 3 Nos. 125mm x 3mm SS Butt Hinges.				
	(ii) 2 Nos. Anodized Alum. Tower Bolt-200mm long.				
	(iii) 2 Nos. Anodized Alum. AL drop 300mm long with minimum 20mm shoot & Nut-Bolt				
	(iv) Brass Door Stopper	38.00	SQM		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
51	<b>Cupboard Shutter</b> Providing and fixing 19mm BWP Ply shutters with 32mmX50mm teak wood frame all around of approved quality and shade glazed 1.0 mm lamination to our face and .80mm white/Ivory lamination to all internal surfaces including TW moulding on edges of shutters, hardware like hinges, handles magnetic catch etc. complete. Rate to include providing drawers wherever required as per drawing fixed on telescopic channels of EBCO. Note:- Panels Hinges Hafele Double Ball Bearing, Adhesive material used as Approved company. And Laminate shade approved by Architects.	81.00	SQM		
52	Providing and fixing following hardware fittings to existing door/window shutters : including necessary screw etc.				
	(g) Magic eye in Door Shutter	4.00	NOS		
	(h) Stainless Steel Safety Chain in Door Shutter	4.00	NOS		
53	<b>Curtain Road</b> Providing and fixing stainless steel curtain road of 30/40 mm Dia. Heavy quality including both end & mid span provide Brackets with required fasteners etc. Complete. Note:- Rod & Bracket sample approved by Architects.	55.00	RMT		
54	<b>Architrave/ teakwood Patti</b> Providing and fixing Architrave/ teakwood Patti, Width=70mm and Depth=18mm ornamented as per architects design including required stick material, nails, filling material etc. complete. As per directed by Engg. In-Charge. Note:- Sample approved by Architects.	10.00	RMT		
55	<b>Stainless Steel Shelve for Wash Basin</b> Providing and fixing Stainless Steel Shelve sizes are 16 inches x 4.5 Inches, Wall mounted shelf, wash basin grade -304 including proper finishing, required fasteners complete in all respect. <b>Note:- Sample approved by Architects. Location of fixing Point, inside each Bathroom fixing level as per directed by architects/Bank or Engg. In-Charge.</b>	8.00	NOS		
56	<b>STAIRCASE &amp; ENTRANCE LOBBY AREA (Gr. To Mummtly level)</b>				
A	<b>Repairing work</b>				
	Removing existing crack or seepage plaster from the wall surfaces as directed, providing and laying 12mm to 15mm thk. plaster, ratio (1:4) match with existing plaster line and level including required scaffolding as per height, proper curing as per directed by engg. In charge. Complete in all respect.	97.00	Sqm		
B	Removal of defective concrete, cleaning the surface thoroughly, applying the shotcrete mixture mechanically with hand held spray plaster machine, comprising of cement, sand, coarse aggregates, water and quick setting compound in the proportion as per clause 2807.1., sand and coarse aggregates conforming to IS: 383 and table 1 of IS: 9012 respectively, water cement ratio ranging from 0.35 to 0.50, density of gunite not less than 2000 kg/cum, strength not less than 25 Mpa and workmanship conforming to clause 2807.6.	24.00	Sqm		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
C	Epoxy bonding of new concrete to old concrete(Make:- Dr. Fixit, 211-Epoxy Bonding Agent, ratio as per given specification)	24.00	Sqm		
D	Repairing & fixing the existing risers and treads in staircase including cleaning of concrete surface, carting away the debris and cleaning the corroded steel with Rust Remover & Providing and fixing in position Readymade Staircase treads, and mid landings made out of 18mm to 20 mm thick Black granite Stone 1050 mm X 250/300 mm size single piece with Three Grooves and bull- nose edges made out of 5mm chemfered and polished longer edge.The Stone Shall be 20mm ± 1.5mm callibrated.The rates includes the cost of half mirror polish, all material , Labour , Wastages , scaffolding etc complete.	21.00	Sqm		
E	Providing & fixing M.S. Hand rail made out of 50 mm outer dia. 2.90mm thick (5.23 Kg/M Weight) M.S. Pipe of fixed over M.S. tubular square pipes 25x25mm 2.6mm thick (1.68 Kg/M weight) and M.S. flats as per architects drawings. All the joints to be properly welded and mitered, finished with surface grinder, so that no sharp ends are left all through the fabricated railing shall be fixed in existing R.C.C staricase with the help of hold fasts already provided in the railing. All the exposed surfaces hall be painted with two coats of superior quality (Asian, Narolac, Burge) red primer and then with 2 coats of synthatic enamel paint of the same quality of approved shades. the rates includes all material labour tools and plants, cost of welding painting wastages etc complete.	12.00	Rmt		
<b>57</b>	<b>M.S.FABRICATION WORK FOR COMPOUND GATE</b>				
	Providing and Fixing M.S.Gate made out of MS (square pipes,Plates,round pipes,square bars,channels etc.) as per the design and details, supported on Concrete Bed Blocks casted over Brick Walls as specified in the Drawings/Details . The structure shall be Welded by Arc Welding of superior quality using best quality Electrodes and Standard Welding Equipment, Chisel cutting, bending, grinding, drilling etc. hammering excess deposits and then finishing with surface grinders. The Rates includes Cost of Anchor Bolts, Washers, Nuts, Cost of Scaffolding , 2 or more coat Painting with Superior Quality Steel Primer (Asian ,Narolac, Deluxe )or Equivalent approved by the Architect and the Cost of All Material , Wastages, Labour , Cost of T&P etc Complete. Note:- Provide Aldrop on Both side in Each Door with proper finishing & level.	150.00	KG		
<b>58</b>	<b>Water Tank</b> Providing and placing on terrace (at all floor levels) polyethylene water storage tank (Cylindrical Vertical Tank with closed Top) IS Code : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes with fittings and the base support for tank. Including connection with Inlet & Outlet Pipes required Elbow, Socket, Union, Ball cock inside tank for overflow in Brass make. <b>Capacity of Tanks 1000 Ltrs., Make:- Sintex or equivalent 2-layers</b>	4.00	NOS		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
59	<b>Anit-Termite Treatment</b> Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
a	Treatment of soil under existing floors using chemical emulsion @1e litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 sand) to match the existing floor :				
	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration.	185.00	SQM		
b	Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	53.00	RMT		
c	Along the external wall below concrete or masonry apron using chemical emulsion @.25 litres per linear metre including drilling and plugging holes etc. With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration.	50.00	RMT		
60	<b>Water Proofing Treatment(For Wall Seepage)</b> , Providing and applying water proofing treatment to vertical and horizontal surfaces of depressed portions of Toilet, Balcony & as required. consisting of : a) 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. b) 1nd course of 20mm cement plaster 1:3 (1 cement : 3 sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.	32.00	SQM		
61	<b>WATER PROOFING TREATMENT FOR SUNK AREA</b> , Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound with protective layer of cement mortar(Ratio 1:3)consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, comers, junctions of pipes and masonry with polymer mixed slurry.				

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	<p><b>Working Steps,</b> Preparing Surface, Fixing Pipes and Fittings, No hacking of surface need be made, but only extra mortar sticking to the surface should be removed and the surface should be cleaned thoroughly. Fixing 'P' trap, Pipes etc. Providing and Laying of Slurry for First Layer The consistency of the slurry should be such as to cover the desired area by using of blended cement . On deciding the correct quantity of water required per sqm. area the required quantity of slurry should be prepared which can be applied over the desired surface within half an hour of mixing with grey cement + water proofing compound as per manufacturer specifications + x litres of water per sqm. area and the required quantity of slurry thus prepared should only be used for first application. The first layer shall be applied with painting brushes over the specified and dampened area carefully including the corners, holes on the surfaces and joints of pipes in concrete etc. and the application should continue at least upto 150 mm height of fixtures of pipes from the surface. The surface on application shall be air cured for 4 hours.</p>				
	<p>Providing and Laying of Slurry for Second Layer The quantity of slurry required for second application to be covered within an hour of mixing shall be prepared with cement + water proofing compound + y litres of water per sqm. area and the required quantity of slurry thus prepared should only be used for second application. The application of 2nd layer of slurry is same as for first layer. The applied surface shall be allowed to air cure for 4 hours and thereafter water curing shall be done for full 48 hours. In case no further work as described above is to be taken up immediately on completion of water proofing treatment due to any reason it is recommended to protect the treated portion with cement plaster protective layer .</p>	20.00	SQM		
62	<p><b>Water Proofing Treatment of terrace (China Mosaic)</b> Providing &amp; laying Water proofing treatment with China Mosaic Tiles flooring over 20 mm to 25 thick waterproof C.M. (1:3) (By adding "Pidiproof LW" 200 ml. per 50 kg of cement bag) using approved quality glazed tiles pieces of required sizes laid in line and level in necessary gradient for easy flow of rain water from roof of any height of quarters or any type of building with finishing (Flush pointing) the top surface of china mosaic with approved quality of white cement by adding waterproof compound. The treatment is carried along the vertical surface of the parapet and other joining wall up to height of about 150 to 300mm in a shape of quarter round vatah and finishing the adjoining surface between china mosaic and vertical surface of the parapet. Contractor should give guarantee for water proofing for 5 years. <b>Note:- On Top layer proper finishing by White cement past with waterproofing compound and apply dry white cement for proper finishing with pattern as per directed by Architects. All work as per Directed by Engg. in-Charge. With existing floor plaster or unwanted over laying cement mortar removing in proper way, all debris dump as per directed by Engg. in-Charge.</b></p>	124.00	SQM		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
63	<p><b>Cement Concrete paver blocks 60mm thk. (Grade M-35)</b>  Providing and laying factory made coloured chamfered edge Cement Concrete paver blocks of required strength, thickness &amp; size/shape, made by table vibratory method using PU mould, laid in required colour &amp; pattern over 50mm thick compacted bed of fine sand or Stone Dust, compacting and proper embedding/ laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc. complete as per manufacturer's specifications &amp; direction of Engineer in Charge. 60mm thick C.C. paver block of M-35 grade with approved colour, design &amp; pattern. <b>Note Sample approved by Architect with Engg. In-Charge.</b></p>	42.00	SQM		
64	<p><b>Brick masonry manhole</b>  Constructing brick masonry manhole in cement mortar 1:4 (1cement: 4coarse sand) R.C.C. top slab with 1:2:4 (1cement: 2coarse sand: 4graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1cement: 4coarse sand: 8graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1cement: 3coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1cement: 2coarse sand: 4graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design. <b>Note:- Including Existing Manhole removing and placing as per directed by Engg. In-Charge.</b></p>				
	<p><b>Inside size 90x80cm and 45cm deep</b> including C.I. cover with frame (light duty) 455x610mm internal dimensions total weight of cover and frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg). With F.P.S. bricks class designation 7.5</p>	2.00	NOS		
65	<p>Brick work with well burnt chimney bricks in bulls patent trench kiln manufactured by ghol process, crushing strength not less than 40kg /cm<sup>2</sup> and water absorption not more than 15% in foundation and plinth i/c curing etc complete. <b>In Cement mortar 1:6 (1cement :6 sand) per directed by Engg. In-Charge.</b></p>	9.00	CUM		
66	<p>Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50kg and frame to be not less than 2.70kg as per standard design <b>Note:- Including Existing Gully Trap removing and placing as per directed by Engg. In-Charge.</b></p>				
	100x100mm size P type With Sewer bricks confirming to IS:4885	4.00	NOS		

S.N	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
67	<b>M S FABRICATION CANOPY WORK OVER EXISTING WINDOW (INCLUDING 2MM THK. PVC PLAIN SHEET ANY COLOUR) Wide of Canopy approx. 900mm or As per Drawing</b>				
	Providing and fabricating at Site M.S.Fabricated Steel structure made out of M.S.Sections as specified by the Architect in the drawings /details for supporting Wall / Roof Structure . Canopy made out of square M.S.Pipes, ISA, etc. supported on Concrete Bed Blocks casted over Brick Walls / Roof Slad as specified in the Drawings/Details . The structure shall be Welded by Arc Welding of superior quality using best quality Electrodes and Standard Welding Equipment, Chiesel cutting, bending, grinding, drilling etc. hammering excess deposits and then finishing with surface grinders. The Rates includes 2mm thick PVC Plain Sheet any colour, Cost of Anchor Bolts, Washers, Nuts, Cost of Scaffolding , 2 or more coat Painting with Superior Quality Steel Primer (Asian ,Narolac, Dulux )or Equivalent approved by the Architect and the Cost of All Material , Wastages, Labour , Cost of T&P etc Complete. Note:- Width of canopy 900mm surface of wall(with curve) and sheet fixing by self screw with pvc washer or directed by Engg. In-charge. 2 nos. of vertical post, 4 nos. of purlin & bothside bracing in curve or as per GFC drawing.	42.00	RMT		
	<b>Total Civil Work Cost of One Block</b>				

Rs.