

S.No	Description	Unit	Qty	Rate	Amount(Rs.)
<b>A</b>	<b>REPAIR &amp; RETROFITTING WORKS</b>				
<b>1</b>	<b>DISMANTLING WORK</b>				
	<b>Note:</b> Dismantling to be done at all heights including all tools and scaffolding. It shall be carried out with proper safety measures, and safety equipments like helmet, jacket, safety harness, shoes etc. and proper Safety boards to be installed before start of work, work to be done without hampering other activities and services running on other part of the building or the floor. Area considered is a part of running office building so all dismatling/ shifting work to be done in phased manner for different floors/areas & in day/night or holiday as per client's requirement and direction of the Engineer-Incharge.				
<b>1.1</b>	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads involved. It includes disposing of the debris at approved area earmarked by municipal or local authority, including transportation lifting shifting etc complete as required. It shall be executed in phased manner day/night and according to local authority /municipal guidelines . It includes all supporting items, scaffolding etc that will be required for safe removal of debris and to avoid any cracks or damage that may happen during dismantling/disposing work.	Cu.M.	100.00		-
<b>1.2</b>	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts, etc. complete and stacking within 50 metres lead as per direction of Engineer-in-charge.:				
1.2.1	of Area 3 Sq.M. and below	Each	58.00		-
1.2.2	of Area beyond 3 Sq.M.	Each	3.00		-
<b>1.3</b>	Dismantling tile work in floors and walls laid in cement mortar including stacking material within 50 metres lead as per direction of Engineer-in-charge For thickness 10mm to 25mm including disposal of unserviceable material as per direction of Engineer-in-charge.	Sq.M	240.00		-
<b>1.4</b>	Dismantling of existing false ceiling without damaging other items like lights, smoke detectors, fire alarm, wiring etc. in all floors, item includes Removal, repairing & refixing of any type of gypsum board/tile, metallic, grid false ceiling etc. including additional required necessary channels, perimeters, runners, frames, cleats, ss screws, gypsum board, supports etc. at required places on ground / first /second floor as required on the site for repairing or where ever required by the client and disposing of unserviceable items complete as per direction of EIC. Item also includes all tools, tackles, ancilliary items required to execute the item completely including scaffolding.	Sqmt	155.00		-
<b>1.5</b>	<b>ELECTRICAL Removal &amp; refixing- for all floors</b> <b>Application area</b> As per requirement at the place of repair/retrofitting works, May be in whole or parts. Removal and refixing of electrical wirings, lights, smoke detectors, fire alarm etc. on ceiling, walls, false ceiling, furnitures, partition etc. as required on ground, first and second floor complete as per direction of engineer in charge. Item includes all ancilliary works required to complete the job. It also includes providing & fixing of saddle, clips, wires required for joining, end termination etc. including scaffolding, ladders etc. required, complete in all respect. Rate shall be quoted on lumpsum.	Lump sum	1.00		-
<b>1.6</b>	<b>Demolition of brick work in lime/cement mortar</b>				
	Demolishing brick work manually or by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. <b>Application area :- very random, for reparing in walls, replacement of loose brick from RBC slab, parapet wall, Removal of terrace wall etc.</b>	Cu.M	20		-
<b>1.7</b>	<b>Dismantling of RCC Chajjas/Fins/Column/Beam etc. (Dismantling to be done with proper support to adjoining structure and taking care of all precautions and covers at all heights)</b>				
	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50meters lead as per direction of EIC.	Cu.M	3		-
<b>1.8</b>	Chipping of Unsound/ weak concrete material from slabs, beams, columns, etc. with manual Chiel and/ or by standard power driven percussion type or of approved make including tapering of all eges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes, etc. and disposal of debries for all lead and lifts all complete as per direction of EIC.				
1.8.1	25mm average thickness	Sq.M	150		-

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1.8.2	50mm average thickness	Sq.M	200		-
1.8.3	75mm average thickness	Sq.M	150		-
<b>2</b>	<b>EXCAVATION OF EARTH WORK</b>				
	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil after refilling as directed, within a lead of 50m. • All kinds of soil.	Cu.M	3.00		-
<b>3</b>	<b>SCAFFOLDING &amp; PLATFORM</b>				
3.1	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to four story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc. wherever required for inspection of work at required locations with essential safety measures for the workmen etc. complete as per directions and approval of Engineer in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	Sq.M	1,000		-
3.2	Providing and fixing Scaffolding net of required width made of high density Polyethylene UV stabilized knitted on wrap knitting machines having density 100 gram/ sqm and shading coefficient minimum 75% around the construction site/ for vertical extension as per requirement including fastening/ tying with building/ scaffolding pipes or with any other fixtures, etc. complete as per direction of Engineer-in-Charge. (one time payment shall be made for providing Scaffolding net from start of work till completion of work including shifting if any. The Scaffolding net shall be the property of the contractor on completion of the work)	Sq.M	1,000		-
3.3	<b>Ply protection to Windows/AC (During entire Repair works)</b>				
	Providing and fixing in position 8-9 mm thk. Plywood fixed on necessary wooden/ aluminium frame with necessary wooden member bracing spaced 600mm both ways on windows and other utilities / machineries/ flooring , etc to protect them from falling debris, etc complete and removing the same after completion of the work.	Sq.M	100		-
<b>4</b>	<b>STRUCTURAL REPAIRS</b>				
4.1	<b>Cleaning rust from rusted steel bar / structural steel member by using alkaline rust remover &amp; wire brush applying Anti-corrosive Coating for corroded reinforcement &amp; Newly added steel bar</b>				
	cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with the help of wire brush, sand paper or any other suitable device and thoroughly washing with water with the help of pressure jet and allowing it to dry, all complete as per direction of EIC, only area of cleaned steel bar shall be measured for payment. Including Priming coat with ready mixed redoxide zinc chromate primer of approved brand and manufacture over reinforcement Bars as per specification and direction of EIC. Application area :- Wherever steel is exposed to be applied in adequate thickness not in chipped/ chunks.				
4.1.1	Bars upto 12mm Diameter	R.M.	2620		-
4.1.2	Bars above 12mm Diameter	R.M.	1125		-
4.2	<b>Bonding Coat on RCC chipped Portion</b>				
	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of EIC complete in all respect.				
	Epoxy bonding adhesive coverage 2.20 sqm/kg of approved make	Sq.M	500.00		-
<b>5</b>	<b>SELECTION OF REINFORCEMENT</b>				
5.1	<b>Steel reinforcement for RCC</b>				
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars, To be provided as required on site as per drawing/direction of EIC.	Kg	635		-
5.2	<b>Metal Mesh for structural repair/ column repair</b>				

S.No	Description	Unit	Qty	Rate	Amount(Rs.)
	Steel wire mesh, providing and fixing expanded metal mesh of size 20x60 mm and strands 3.25 mm wide 1.6 mm thick weighing 3.64 kg per sqm for encasing of rolled steel sections in beams, columns and grillages.	Sq.M	255		-
5.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering: all work 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)	cum	6		-
5.4	Providing and laying Centering and shuttering including strutting, propping, etc. and removal of form work for: foundation, footings, bases of columns.	Sq.M	20		-
<b>6</b>	<b>POLYMER MODIFIED CONCRETE FOR PATCH REPAIR</b>				
	SBR polymer (of approved make @ minimum 2% by wt, of cement used) modified plain/ reinforced cement concrete for structural members having minimum characteristic compressive strength with specified average thickness.				
	Item includes necessary tools & tackles like shuttering, application machineries etc. required to execute the work complete in all respect as per direction of EIC.				
6.1	Upto 50 mm thick in Grade M25 with cement content not less than 330kg per Cu.M.	Sq.M	146.00		-
6.2	Upto 75 mm thick in Grade M25 with cement content not less than 330kg per Cu.M.	Sq.M	219.00		-
<b>7</b>	<b>MICRO CONCRETE CEMENT BASED PREPACKED SINGLE COMPONENT FOR STRUCTURAL REPAIR</b>				
	Providing and laying Micro concrete cement based prepacked single component, chloride free, sulphate free, non shrink, free flow, self compacting ready to use after mixing in water in specified proportion of approved quality. Rate shall be included for water tight plywood shuttering board cost and supporting jack system/prop to support the shuttering plate. Shuttering plate will be used in patch repair and column & slab repair so shuttering included in this application shall be of high strength. Micro concrete nominal thickness shall be of 25mm to 200mm for concrete repair with compressive strength of 25 MPa at 28 days, if thickness increases upto or more than 50mm then 10MM size aggregate to be added as per manufacturer's specifications.	Cu.M	10.00		-
<b>8</b>	<b>EPOXY GROUTING</b>				
	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/ honeycomb area of concrete/ masonry by suitable gun/ pump at required pressure including cutting of nipples after curing etc. complete as per direction of Engineer-in-Charge.				
	Epoxy injection grout in concrete/ RCC work of approved make. Nozzle Fixing for epoxy pressure grouting: Drilling 14mm diameter holes and about 75 to 100mm deep into the exposed /built up concrete which requires improvement at around 300mm c/c in staggered form from all surfaces; Fixing of Neoprene nozzle 12mm diameter and 40mm length into the holes. Items also includes all tools & tackles required to execute the work completely as per direction of engineer in charge.	No.s	460		-
<b>9</b>	<b>STEEL APPLICATION IN WORK</b>				
	<b>Structural Steel to support roof as a beam/rafter and also around columns</b>				
	Supply and fixing of structural Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. It may be in the form of gratings, frames, beam, angle, column, guard bar, ladder, railings, brackets, gates and similar works.	kg	500		-
<b>10</b>	<b>PCC WORK</b>				
	<b>PCC Work of 40 mm thickness in Sqm</b>				
	Providing and applying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) mixed with cement based water proofing compound in the ratio as per manufacturer's specifications and finished with a floating coat of neat cement, including cement slurry, groove making etc. complete as per direction of EIC. • 40 mm thick with 20 mm nominal size stone aggregate <b>Application area:</b> Toilet, terrace, gola & required at random places	Sq.M	1130		-
<b>11</b>	<b>WATER PROOFING</b>				
	<b>NOTE : - Guarranty of water proofing as a whole shall be provided by the vendor for a period of minimum 5 years. A Guarranty certificate of water proofing for 5 years must be provided to the bank on letterhead of original manufacturer of waterproofing membranes. In case of any leakage it shall be repaired or new water proofing shall be provided without any extra cost.</b>				
11.1	Dismantling existing brick Tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sq.M	480.00		-

S.No	Description	Unit	Qty	Rate	Amount(Rs.)
11.2	Dimoloshing existing mud phaska in terracing and disposal of material within 50 meters lead.	Cu.M.	50.00		-
11.3	<b>Water Proofing membrane</b> Providing and laying in situ seven course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof with prefabricatred five layered <b>5mm thick &amp; 3mm thick APP</b> modified polymeric membrane in 3rd & 5th layer resp. It consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 5mm & 3mm resp. consisting of five layers prefabricated with centre core as 100 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film, shall be applied with gas torch with minimum 75mm side overlap and minimum 100mm of end overlap. It shall be applied all over the terrace & parapet including horizontal surface and vertical surface. Only surface area of the application will be considered for payment. 7th, the top most layer shall be finished with PCC as per PCC item with mix of water proofing compound. (PCC shall be paid separatley)	Sq.M	675.00		-
<b>TOTAL COST FOR REPAIR &amp; RETROFITTING WORKS (A) =</b>					<b>-</b>
<b>B</b>	<b>FINISHING WORKS</b>				
<b>1</b>	<b>BRICK WORK</b>				
1.1	<b>Brick Work - 9" thickness</b> Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 10 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cu.M	25		-
1.2	<b>Half Brickwork - 4"</b> Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 10 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Sq.M	60		-
<b>2</b>	<b>FLOORING /DADO WORK -TILE WORK</b>				
2.1	The rates shall also include additional cost for extra thickness of fixing material, if required, for maintaining proper floor level, slope and the cost of removing of all debris and disposing it away from the premises, cleaning the site, making good the damage if any etc. Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. <b>Size of Tile 600x600 mm</b>	Sq.M	105		-
2.2	Providing and laying Anti Skid 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 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. <b>size of Tile 600x600 mm</b>	Sq.M	48		-
2.3	Providing and laying Vitrified tiles on walls 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 dado work, skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joint with white cement & matching pigments etc. complete. : <b>Size of Tile 600x300 mm</b>	Sq.M	165		-
2.4	Providing and fixing machine cut chissel dressed 18MM green marble stone (Udaipur green marble as per approved by Site Engg/ Architect) slabs and for Treads and risers of Staircase and entrance stairs, free from cracks as per approved quality laid on 20mm avg thick cement mortar 1:4 (1 cement:4 coarse sand ) and jointing with grey cement slurry mixed with pigment to match the shade of stone. Including rubbing and Mirror polishing, Item also includes nosing of the leading edges of tread as per details complete.	Sq.M	30		-

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2.5	Providing & laying machine cut chissel dressed 25mm thick kota stone slab flooring, as per approved quality, over 20mm average thick base laid over and joined with grey cement slurry @ 2.75kg of cement per sq. M of area to receive the mortar, providing neat cement slurry @ 4.4 kg of cement/ Sq. M of area over the mortar bed, jointing each slab with neat cement paste/ grouting with white cement mixed with pigment to match the shade of the slab including rubbing, mirror polishing complete. 20mm base in 1:4 cement mortar, as per the satisfaction.	Sq.M	60		-
<b>3</b>	<b>CEMENT PLASTER</b>				
	<b>Note:</b> Cement Plaster items include dismantling of old plaster/ chipping or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. Including surface preparations, all scaffolding, supports, jalis, curing etc. complete as per direction of EIC.				
3.1	12mm thick internal Plaster in cement mix 1:4 (1 cement: 4 Fine sand). Inclusive of water proofing component mixed with cement mortar in doses by weight as per manufacturer's specifications.	Sq.M	1060		-
3.2	6MM thick ceiling plaster in a cement mix of 1:3 (1 cement: 3 Fine sand). Inclusive of water proofing component mixed with cement mortar in doses by weight as per manufacturer's specifications.	Sq.M	480		-
3.3	External Plaster with 15mm thick in a cement mix of 1:4 (1 cement: 4 coarse sand). Inclusive of water proofing component mixed with cement mortar in doses by weight as per manufacturer's specifications.	Sq.M	1025		-
3.4	External Plaster with 18-25mm thick in 2 layers in a cement mix of 1:4 (1 cement: 4 coarse sand). Inclusive of water proofing component mixed with cement mortar in doses by weight as per manufacturer's specifications.	Sq.M	100		-
<b>4</b>	<b>WHITE WASHING /PAINTING</b>				
	<b>Note:</b> Painting items includes removing and cleaning existing paints from wall surface before applying new coat.				
4.1	Providing and applying <b>white cement based putty</b> of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sq.m	2370		-
4.2	Distempering with <b>1st quality acrylic distemper</b> (ready mixed) having VOC content less than 50 gram/ litre, of approved manufacture and of required shade and colour all complete to achieve even shade and colour:				
	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/ litre.	Sq.m	580		-
4.3	Finishing wall with ready mixed <b>Premium acrylic emulsion paint</b> (company Depot Tinted) having VOC less than 50 gm/ Litre and UV resistance as per IS 15489:2004, Alkali & Fungal Resistance, dirt resistance exterior paint of required shade with silicon additives.				
	New work (Two or more coats applied @ 1.43 litre/ 10 sqm over and including priming coat of exterior primer applied & 0.90 litre/ 10 sqm.	Sq.m	1610		-
4.4	Finishing walls with <b>Fine textured exterior paint</b> of required shade:				
	New work (Two or more coats applied @ 3.28 litre/ 10 sqm over and including priming coat of exterior primer applied @ 2.20lg/ 10 sqm.	Sq.m	1300		-
4.5	Providing and Painting (two or more coats) on rain water, soil waste and vent pipes and fittings with <b>synthetic enamel paint</b> of approved brand and manufacture and required colour over a priming coat of approved steel primer on new work.				
	100mm diameter pipes	R.M.	80		-
4.6	Providing and Painting with <b>synthetic enamel paint</b> after removing old paint & preparing the base for the same using primer and than applying 2 or more coats of paint as per manufacturer's specifications etc. complete to the satisfaction of Architect.	Sq.m	55		-
<b>5</b>	<b>ALUMINIUM WINDOWS</b>				
5.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions 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 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 echanically wherever required including cleat angle, fastners, screws fixing complete.				

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	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg	560.00		-
5.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)	Sq.M	100.00		-
<b>6</b>	<b>FLUSH DOOR SHUTTER WITH FRAME</b>				
	Providing and fixing 5"x2.5" Teak wood member for frame and water proof Flush door shutter made out of 35 mm thick flush door with 8 mm thick clear toughened glass vision panel secured with 12 mm thick TW beading, 31x 12 mm thick TW periphery patti around shutter edges, 1 mm thick laminate on both sides, 35x12mm thick steam beach stopper patti on frame including 3 Nos 5" long SS hinges with countersunk SS screws, Approved make Dead Lock, S.S Handles, 150 mm long Door stoppers, door closer of approved make etc. all exposed surface /edges not laminated be provided with Melamine polish complete as per drawing & instructions.	Sq.M	52.00		-
<b>7</b>	<b>GOLA N TERRACE</b>				
	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.	R.M	160		-
<b>8</b>	<b>KHURRAS ON TERRACE</b>				
	Providing & Making khurras 450x450 mm 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.	EA	8		-
<b>9</b>	<b>M.S Gate for Main Entrance</b>				
	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes min. 3mm thk.	kg	1,000.00		-
<b>10</b>	<b>S.S. HAND RAIL ON STAIRS</b>				
	Providing and fixing steel (Grade 304) railing made of Hollow tubes, channels, Plates, etc. including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, including fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts, etc. of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners, etc.).	kg	200.00		-
<b>11</b>	<b>SANITARY &amp; FITTINGS</b>				
	<b>Note: The rate given for all the items under sub head Sanitary &amp; fitting includes removing &amp; disposing of existing items and supply &amp; fixing of fixtures &amp; fittings as mentioned below.</b>				
11.1	Providing and fixing white vitreous china extended wall mouting water closet of size 780 X 370 X 690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litres/ 6 litres (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket, etc. complete	EA	7		-
11.2	Providing and fixing white vitreous china flat back or wall corner typr lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
	One urinal basin with 5 litre white P.V.C. automatic flushing cistern (Make- Cera-Calcia EFS, Perryware, Hindware or equivalent)	EA	6		-

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11.3	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
	White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15mm C.P. brass pillar taps with elbow including operated levers. (Make- Cera OR, Perryware, Hindware or equivalent)	EA	7		-
11.4	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the walls wherever required:				
	Kitchen Sink with drain board (510 x 1040 mm) bowl depth 225mm (Make- Jayna or equivalent)	EA	1		-
11.5	Providing and fixng liquid soap dispenser (JAQUAR CAN-CHR-1135N) soap dispenser glass bottle) including fixing to the wall with wooden cleats and CP brass screws, cutting walls and making good the same, complete.	EA	4		-
11.6	Providing and fixing C.P. brass toilet paper holder of JAQUAR (AQN-7753 toilet roll holder) including fixing to the wall with wooden cleat and CP brass screws, cutting walls and making good the same, complete.	EA	7		-
11.7	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
	600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms. (Make- Jaquar or Equivalent)	EA	4		-
11.8	Providing & fixing Heavy grade CP finish Brass fittings including making connections, cutting walls & making good the same etc.complete. (Jaguar)				
11.8.1	15mm nominal bore two way BIB cock (Jaquar OPAL-15037 or equivalent)	EA	7		-
11.8.2	15 mm nominal bore angular stop cock (Jaquar OPAL-OPL-15053 or equivalent)	EA	21		-
11.8.3	CP Pillar cock/ sink wall spout quarter turn (Jaquar OPAL-15001or equivalent)	EA	8		-
11.8.4	Hand shower(Health Faucet) (ABS body) with 8mm Dia, 1 Mt. long Flexible tube & Wall hook of Jaquar ALD-CHR-593 or equivalent)	EA	7		-
11.9	Providing and fixing approved quality heavy grade cast iron Nahani trap confirming to IS 3989 of self cleansing design with C.P. pressed steel grating with or without vent arm; of the below mentioned sizes for inlet and outlet; complete including cost of cutting and making good the walls and floors wherever if required.				
	100mm inlet and 75mm outlet	EA	7		-
12	<b>DRAINAGE</b>				
	NOTE : - The rates given for all the items under sub-head 'Drainage' are applicable to work executed in floors, soil, above soil and wall surface. This also includes dismantling & disposing of existing CI, GI, SW etc. pipes and replacing the same with PVC/uPVC pipes as per the below mentioned items.				
12.1	<b>Soil / waste pipes</b>				
	Providing and fixing uPVC soil pipes confirming to IS:1729 on walls including filling the joints with specialised jointing solutions and fixed with G.I. clamps embedded in cement concrete blocks 100x100x100 of 1:2:4 (1 cement :2 coarse san:4 stone aggregate) including cutting holes and making good the walls etc. item includes Providing and fixing UPVC pipes specials such as door bend, horn bend, plain bend, cowls, sockets, door "T", 'Y' and 'T' junctions(both single and double etc. including fixing with cement jute admixture complete as directed				
12.1a	For 75mm pipes	R.Mtr	25		-
12.1b	For 110mm pipes	R.Mtr	110		-
12.1c	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand: 10 graded stone aggregate 40 mm nominal size) all-round S.W. / UPVC pipes including bed concrete as per standard design :				
	For 110mm pipes	R.Mtr	70.00		-
12.2	<b>Rain water pipes</b>				
	Providing and fixing on wall face unplasticised Rigid PVC 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, Single socketed pipes including wall clamps with rubber, bend, elbow, T junctions, Y junctions, door elbow, cowl etc. inclusive of all hardware & supports required to execute the job completely. Only running metre shall be counted for payment purpose. It also includes connection rwp to khurrah on terrace and near by manhole on the ground inclusive of all sealants etc. complete as per direction of engineer in charge.				
12.2.1	For 75mm diameter	R.Mtr.	20.00		-

S.No	Description	Unit	Qty	Rate	Amount(Rs.)
12.2.2	For 110mm diameter	R.Mtr.	70.00		-
<b>12.3</b>	<b>Manhole and gully trap</b>				
	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement: 4 coarse sand) with R.C.C. top slab with 1:1.5:5:3 mix (1 cement : 1.5 coarse sand (zone-3) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-3) : 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design:				
12.3.1	Inside size 900x800mm and 450 mm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg): With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	EA	1.00		-
12.3.2	Inside size 1200x900 mm and 900 mm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg): With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	EA	1.00		-
12.3.3	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 150x 100mm size P Type with Sewer bricks conforming to IS : 4885	EA	3.00		-
<b>13</b>	<b>WATER SUPPLY</b>				
	NOTE : - The rates given for all the items under sub-head 'Water Supply' are applicable to work executed in floors, soil, above soil and wall surface. This also includes dismantling & disposing of existing GI, PVC etc. pipes and replacing the same with cPVC pipes as per the below mentioned items.				
<b>13.1</b>	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.				
	<b>Concealed work, including cutting chases and making good the walls etc.</b>				
13.1.1	15 mm nominal outer dia Pipes	R.Mtr.	60		-
13.1.2	20 mm nominal outer dia Pipes	R.Mtr.	40		-
13.1.3	25 mm nominal outer dia Pipes	R.Mtr.	30		-
13.1.4	32 mm nominal outer dia Pipes	R.Mtr.	25		-
<b>13.2</b>	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.				
	<b>External work</b>				
13.2.1	40 mm nominal outer dia Pipes	Mtr	30		-
13.2.2	65 mm nominal inner dia Pipes	Mtr	20		-
<b>13.3</b>	Providing and fixing CPVC ball/gate valve of approved quality				
13.3.1	32 mm nominal bore	each	2		-
13.3.2	40 mm nominal bore	each	5		-
13.3.3	65 mm nominal bore	each	2		-
<b>13.4</b>	Providing and fixing CPVC non- return valve of approved quality				
13.4.1	40 mm nominal bore, Horizontal	each	1		-
13.4.2	65 mm nominal bore, Horizontal	each	2		-
<b>13.5</b>	Providing and placing (at all floor levels) Polyethylene water storage tank ISI:12701 marked indicating the BIS licence no. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipe but without fittings and base support for tanks (Sintex, electroplast, star or equivalent having valid ISI license)	Ltr	20		-
<b>TOTAL COST FOR FINISHING WORKS (B) =</b>					<b>-</b>
<b>C</b>	<b>REMOVING OUTDOOR/ INDOOR AC UNITS AND REINSTALLATION</b>				
	Removing existing AC windows and Split units from the working site, storing with all proper care and wraps and reinstallation with new copper and drain pipes with all fixing and servicing and commissioning before installation complete.	NO	26.00		-



S.No	Description	Unit	Qty	Rate	Amount(Rs.)
Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. only GST will be paid Extra					
	GRAND TOTAL (A+B+C)	=			
				Rs.	-