

**INDIAN BANK
ZO KOLKATA CENTRAL**

Schedule of Quantities

Name of Work : - Urgent Repairing Works (Civil, Plumbing & Carpentry) of various flats of Sundaram Residential Complex, Tollygaunge of Indian Bank.

Sl. No.	Brief Description of Item	Unit	Quantity	Rate (Rs)	Amount (Rs)
Repair to plaster					
1	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, 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, including disposal of rubbish outside the premises as per KMC guidelines, all complete as per the direction of Engineer-In-Charge.	Sq.m.	76.00		
Providing and applying white cement based putty					
2	Providing and applying white cement based putty 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.	186.20		
Painting with silicon & acrylic emulsion based water thinnable sealer					
3	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces after priming : Two coats	Sq.m.	482.20		
Providing & fixing White vitreous china water closet squatting pan (Indian type)					
4	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba outside the premises as per KMC guidelines, all complete as per the direction of Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm	Each	8.00		
Dismantling W.C. Pan of all sizes					
5	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba outside the premises as per KMC guidelines all complete as per directions of Engineer-in-Charge	Each	5.00		
SWR Pipe (Type B)					
6	Supplying, Installing, Testing & Commissioning of Pipes and conveying to position; and jointing to true lines and gradients, uPVC SWR Pipe (Type B) as per IS 13592 with SWR solvent type (pasted) fittings including installing specials like bends, couplers, sockets, connections etc. wherever required & clamping with Universal Clamps, Anchor Fasteners, threaded rods, nuts, washers etc all complete and jointing with adhesive approved by manufacturers including cutting and making good the walls and floors or surface mounted with clamps as required at site as per direction of Engineer In Charge. a) 110 mm OD 6 Kg/ Sq.cm	m	150.00		
Supplying & fixing at site uPVC multi inlet trap					
7	Supplying & fixing at site uPVC multi inlet trap and outlet connections to pipes using solvent cement complete as required for floor drains Multi inlet 75/50 mm diameter 200 mm depth	Nos	24.00		
Providing and fixing 1st quality ceramic glazed floor tiles					
8	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	43.09		
Providing and fixing 1st quality ceramic glazed wall tiles					
9	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	78.00		
Providing and fixing white vitreous china pedestal type water closet (European type)					

Sl. No.	Brief Description of Item	Unit	Quantity	Rate (Rs)	Amount (Rs)
10	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Each	5.00		
Demolishing cement concrete					
11	Demolishing cement concrete manually/ by mechanical means including disposal of material outside the premises as per KMC guidelines as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cu.m.	23.37		
Providing and laying water proofing treatment in sunken portion of WCs					
12	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound 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, corners, junctions of pipes and masonry with polymer mixed slurry.	Sq.m.	20.84		
Providing and fixing UPVC trap ('P' or 'S')					
13	Providing and fixing UPVC trap ('P' or 'S') of self cleaning design without C.P. grating with or without vent horn complete, as shown in detailed drawing including inlet fitting wherever required including cost of cutting and making good the walls & floors. a) 110 mm inlet and 110 mm outlet	Nos	12.00		
Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes					
14	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				
	15 mm nominal dia Pipes	m	72.00		
	20 mm nominal dia Pipes	m	100.00		
	25 mm nominal dia Pipes	m	128.00		
Providing and fixing brass bib cock					
15	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore	Each	20.00		
Providing and fixing C.P. brass angle valve for basin mixer					
16	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	Each	12.00		
Dismantling cement asbestos or other hard board ceiling					
17	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	Sq.m.	76.93		
Supplying, fitting and fixing Black Stone slab used in Kitchen slab					
18	Supplying, fitting and fixing Black Stone slab used in Kitchen slab, alcove, wardrobe etc. laid and jointed including providing of necessary support all complete and cutting of holes wherever required as per direction of Engineer-in -Charge. (b) Slab Thickness above 25 mm and upto 37.5 mm	Sq.m.	30.24		
Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink					
19	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board 510x1040 mm bowl depth 250 mm	Each	5.00		
Providing and fixing P.V.C. waste pipe					

Sl. No.	Brief Description of Item	Unit	Quantity	Rate (Rs)	Amount (Rs)
20	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia	Each	5.00		
Providing and laying Vitrified tiles in floor					
21	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 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. Double charge vitrified tile polished finish of size Size of Tile 600 x 600 mm	Sq.m.	6.00		
Providing and fixing CP grating					
22	Providing and fixing CP grating of approved quality 100 mm nominal dia	Each	20.00		
Demolishing R.C.C. work					
23	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material outside the premises as per KMC guidelines as per direction of Engineer - in- charge.	Cu.m.	30.24		
Providing and fixing ISI marked flush door shutters					
24	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws, handles, single rubber stopper, tower bolt & aldrops.	Sq.m.	15.75		
Providing and fixing factory made panel PVC door					
25	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick plain PVC door shutters	Sq.m.	7.56		
Providing and fixing aluminium work for doors, windows, ventilators					
26	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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : 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) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	15.00		

Sl. No.	Brief Description of Item	Unit	Quantity	Rate (Rs)	Amount (Rs)
Providing and fixing glazing in aluminium door, window, ventilator					
27	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 5 mm thickness (weight not less than 12.50 kg/sqm)	Sq.m.	4.50		
Providing wood work in frames of doors					
28	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	Cu.m.	0.08		
Fixing chowkhats in existing opening					
29	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. Door chowkhats	Each	3.00		
Providing and fixing C.P. brass shower rose					
30	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter	Each	2.00		
Scrapping out of all existing joints of tiles of toilets and refilling					
31	Scrapping out of all existing joints of tiles of toilets and refilling with epoxy grout tile joint filler with polymer emulsion additive neatly within the joints all complete as per directions of Engineer In Charge.	Nos	134.00		
TOTAL COST (exclusive of GST) (Rs.)					
Say (Rs.)					

Signature of Contractor with Stamp