

RE RE RE REVISED COST ESTIMATE FOR CIVIL CONSTRUCTION WORK TO BE CARRIED OUT AT DHANPAL APARTMENTS OWNED BY CANARA BANK AND LOCATED AT SURAT.						
ITEM NO.	DESCRIPTION OF ITEMS	QUANT.	RATE Rs.	PER	AMOUNT Rs.	TOTAL AMOUNT Rs.
1.0	DISMANTLING WORK :					
1.1	Dismantling Indian Patent Stone					
1.1.1	Dismantling the broken and damaged Indian Patent Stone paving with the floor concrete underneath in the parking area at the ground level and carting away the debris.	214.15 smt		1.00 smt		
1.2	Dismantling Brick Work					
1.2.1	Dismantling the damaged Brick work of compound wall on left side facing the building and carting away the debris.	2.35 cmt		1.00 cmt		
1.3	Dismantling Cement Plaster Work					
1.3.1	Dismantling smooth finished cement plaster from the top and innerside of terrace parapets and parapets above the staircase cabin and carting away the debris.	98.00 smt		1.00 smt		
1.3.2	Dismantling damaged and corroded plaster from stair well, landings, stair cabin, slabs of top floor balconies and internal walls.	158.00 smt		1.00 smt		
1.3.3	Dismantling damaged and corroded plaster from the external wall surfaces of service ducts and carting away the debris.	81.00 smt		1.00 smt		
1.4	Dismantling Flooring Work					
1.4.1	Removing the existing flooring and carting away the debris.	535.00 smt		1.00 smt		
1.4.2	Dismantling existing skirting and carting away the debris.	519.00 rmt		1.00 rmt		
1.5	Dismantling Cement Grill					
1.5.1	Dismantling cement grill from the top landing of staircase and carting away the debris.	1.00 smt		1.00 smt		
1.6	Dismantling Damaged door :					
1.6.1	Removing the damaged door shutter from the terrace cabin and keep it aside. (Area less than 3.00 sq meter)	1.00 no		1.00 no		
	Total amount of dismantling work					
2.0	EARTH WORK :					
2.1	Excavation for foundation of brick work to be provided along periphery of building for retaining the earth filling, refilling the trenches with excavated earth and carting away the surplus earth etc. complete.	86.00 cmt		1.00 cmt		
	Total amount of earth work					
3.0	CEMENT CONCRETE WORK :					
3.1	Providing and laying cement concrete (M : 250), (1 cement : 1.25 coarse sand : 2.50 hand broken stone aggregates 20mm to 40 mm size (maximum)) in the front and side compound in maximum size of 4.00m x 4.00m squares including ramming. Consolidating, curing etc. complete 12mm x 12mm grooves shall be kept between the squares as directed.	43.00 cmt		1.00 cmt		
3.2	Providing and laying plain cement concrete (1 : 4 : 8) below walls of percolation wells, catch pits and drainage manholes walls of percolation walls catch pits.	4.00 cmt		1.00 cmt		
	Total amount of cement concrete work					
4.0	REINFORCEMENT STEEL WORK :					

NO.			Rs.		Rs.	AMOUNT Rs.
4.1	Providing and laying 8 mm dia reinforcement steel bars placed at 0'-6" (15 cm) c/c distance both ways and in single layer in center of cement concrete to be provided in parking area. The work shall include cutting the steel bars in required length and binding them with the m. s. binding wire and placing in position.	1210.00 kg		1.00 kg		
	Total amount of reinforcement steel work					
5.0	BRICK WORK :					
5.1	Providing and laying 0'-9" thick brick masonry in cement mortar 1 : 6 (1 cement : 6 fine sand)					
5.1.1	Providing and laying brick masonry in cement mortar 1 : 6 for precolation wells, catch pits, in place of damaged compound wall, to fill the gap created due to removal of cemet grill on staircase landing, for increasing height of large & small ducts at terrace level and for load wall.	25.00 cmt		1.00 cmt		
5.2	Providing and laying 0'-9" thick perforated brick masonry in cement mortar 1 : 6 (1 cement : 6 fine sand) for the percolated wells.	5.00 cmt		1.00 cmt		
	Total amount of brick work					
6.0	CEMENT PLASTER WORK :					
6.1	Providing and laying 12 mm thick cement plaster in cement mortar 1 : 4 (1 cement : 4 sand) in place of damp and corroded plaster removed from walls and ceiling of stair case well, stair cabin, slabs of top floor balconies etc. and on newly built compound wall.	144.00 smt		1.00 smt		
6.2	Water Proof Cement plaster					
6.2.1	Providing and laying new 18mm thick cement plaster in 1 : 4 proportion (1 cement : 4 sand) admixed with water proof compound Fosroc make Conplast WL Xtra / Dr. Fixit PD Proof LW + integral water proofing admixture in optimum dosage of 200ml for 50 kg cement or any equivalent product of approved brand on terrace parapets, external wall surfaces of service ducts, as well as external and internal wall surfaces and top slab of overhead water tank.	338.50 smt		1.00 smt		
6.3	Water Proof Cement Fillets					
6.3.1	Providing and laying 0'-2 1/2" x 0'-2 1/2" water proof cement fillets on horizontal and vertical connections of floor and walls of O. H. water tank with water proofing admixture mixed with cement mortar as stated above in item no: 6.2.1 in the same proportion.	34.00 rmt		1.00 rmt		
6.3.2	Providing and laying 0'-4" x 0'-4" water proof cement fillets at terrace above stair cabin with water proofing admixture mixed with cement mortar as stated above in item no: 6.2.1 in the same proportion.	77.00 rmt		1.00 rmt		
6.4	Injection grouting for sealing the cracks in structural members like RCC columns, beams, brackets of balconies, RCC fins etc. Providing and executing injection/ pressure grouting in cracks in the parent concrete/ brick work on in honey-comb area by fixing-up PVC or metallic grout-nozzles on line of crack in concrete/ masonry at a distance not exceeding 300mm injecting with the help of grout-pump working at a pressure of 3.00 kg/cm2, pressure grouting to be done using low viscous 2-component epoxy grack injection material " Lanco721" of Parexgroup, "Conbextra EP 10 (M) " of Fosroc, " Concrasive 1315" of BASF or equivalent make shall be done in a sequence starting from lowest grout-hole and proceeding to the next upper one, sealing the grout	136.00 no injection		1.00 no		

NO.			Rs.		Rs.	AMOUNT Rs.
	nozzles temporarily, on the next day repeating the grout sequence once more before cutting and sealing the nozzles permanently.					
	Finally patching up the plaster with cement mortar (1 : 3) proportion using plasticiser to increase workability, curing with water sprinkler for minimum three days including finishing the edges of the patch/ groove with birla putty / plaster paris, for even matching with the adjacent plaster area etc. complete.					
	(Total length - 35.00 rmt x 4 injection per 1 rmt =136.00 nos)					
6.5	Sealing the non structural cracks in joints between two different materials like brick and cement concret occurred at junctions of brick walls & RCC slab or between brick walls & RCC lintels, columns, beams etc. by widening the cracks, making 'V' shape groove and filling the same with Dr. Fixit Crack-X Pest or equivalent. Cracks more them 5mm width and all separation gaps should be filled up with Polymer Modified Mortar mixed with Dr. Fixit Pidicrete URP 10% by weight of cement or equivalent in the retio of 1 : 3 or 1 : 4 curing etc. complete.	24.00 rmt		1.00 rmt		
	All joints between two different materials or pipe penetration shall be racked out at least 10mm deep.					
	Total amount of cement plaster work					
7.0	FLOORING WORK :					
7.1	Vitrified Tiles flooring					
7.1.1	Providing and laying Double charged tiles flooring (60cm x 60 cm) on cement bedding including white cement pointing etc. complete.	535.00 smt		1.00 smt		
7.1.2	Providing and laying 7.50 cn high double charged Vitrified tiles skirting on walls of rooms.	519.00 rmt		1.00 rmt		
7.2	Ceramic tiles flooring					
7.2.1	30cm x 30cm ceramic tiles flooring on floor of overhead water tank.	5.00 smt		1.00 smt		
7.2.2	30 x 30 cm ceramic tiles dado on walls of O. H. water tank and three sides of wash basin alcove.	27.00 smt		1.00 smt		
7.2.3	Providing and laying water proof Indian Patent Stone (IPS) flooring in floor of U. G. water tank in slope of 1 : 100 with minimum thickness of 1 1/2" at lower side corner recessesed area where residual water is collected.	4.00 smt		1.00 smt		
7.3	Providing and applying mirror polish on the existing polished kotah stone flooring, used in parking area staircase treads, risers and landings as well as flooring of apartments at each floor.	418.00 smt		1.00 smt		
	Total amount of flooring work					
8.0	WOOD WORK :					
8.1	Removing the existing damaged door shutter of terrace cabin, providing and fixing new water proof flush doors 25mm thick with 1/2" thick teak wood beading on all sides, 1mm thick laminate of approved make and shade on both sides, s. s. hinges, fittings etc. complete and fixing the same with the existing teak wood door frame.	1.70 smt		1.00 smt		
	Total amount of wood work					
9.0	ALUMINIUM WORK :					
9.1	Providing and fixing powder coated partly openable alluminium louverd shutters and partly fixed alluminium louverd partitions made of alluminium outer frames 63.50 x 38.10 x 1.41 mm thick wt. 0.818 kg per rmt, top and side frame 61.85 x 45 x 1.30 mm					

NO.			Rs.		Rs.	AMOUNT Rs.
	thick wt. 0.69 kg per rmt and alluminium louver blades 100 x 13 x 1.30 mm thick shall be fixed at 45° in the alluminium frame.					
	Aluminum louverd doors	3.15		1.00		
		smt		smt		
	Aluminum louverd fixed partition	1.42		1.00		
		smt		smt		
	Total amount of aluminium work					
10.0	PAINTING WORK :					
10.1	External wall - Prime Less Economical Exterior wall Water proof coating Dr. Fixit Raincoat Neo or equivalent					
10.1.1	Removing the old finishing with wire brush and water presser wash with one part house hold bleach and three parts of water followed by a power wash of clear water. Opening the non structural cracks in plaster surface up to 5mm width in V shape and filled with Dr. Fixit Crack - X pest or polymer modified mortar (PMM) mixed with Dr. Fixit Pedicrete URP 10 % by wt. of cement in the retio of 1 : 3 or 1: 4 curing etc. complete. Providing and applying first coat of self priming coat with up to 10 % water dilution as waterproof top coat, either by rolter or brush with force coverage at the rate oe 3.7 - 4.1 sq. mt. / litre to achieve DFT of 100 - 110 microns. Allow it to dry for 4 - 6 hours. Allow the coating to full air cure for 7 days. The material having following technical properties : Attains hairlinr crack bridging up to 1 mm. Elangation of > 100 % as per ASTM D 412. Tensile strength 1.50 Mpa per AST M. D. 412. Pull off adhesion. 1.5 Mpa as per ASTM D4541. The system comes with 3 years water proofing & 5 years paint performance warranty from M/S Pidilite industries Ltd. (The above rate is with same scaffolding)	1735.00		1.00		
		smt		smt		
10.2	Removing the old finishing and providing and applying minimum three coats of white wash with brush on the compound walls, terrace parapets, parapets above the terrace cabins, parapets above watchman cabin, internal wall surfaces of lofts of all apartments, internal wall surfaces and ceilings of the watchman quarter etc. complete.	364.00		1.00		
		smt		smt		
10.3	Acrylic Emulsion paint (Plastic paint)					
10.3.1	Removing the old finishing and providing and applying minimum two coats of acrylic emulsion interior plastic paint of Asian paints over two coats of water proof Birla putty and one coat of wall primer of approval make including rubbing of putty with metal sheet to create smooth surface etc. Complete on all internal wall surfaces and ceilings of all rooms of all apartments etc. complete.	2883.00		1.00		
		smt		smt		
10.4	Enamel Paint					
10.4.1	Removing the existing finishing and providing and applying two coats of synthetic enamel paint on fully glazed wooden windows, doors and wooden frames.	139.00		1.00		
		smt		smt		
10.4.2	Removing the existing finishing and providing and applying two coats of synthtic enamel paint of m. s. grill of window, compound gate, balcony railing etc.	161.00		1.00		
		smt		smt		
	Total amount of painting work					
11.0	IRON MONGER WORK :					
11.1	Providing and fixing m. s. square tube sections 25mm x 25mm x 2mm thickness placed at equal c/c distance both ways and in inclined manner to support translucent poly carbonate sheet 3mm thick to cover the open top of service ducts. The sheet shall be placed on top of frame work and between 20mmx 4mm m. s. flats and square tube sections and fixed with help of m. s. nut and bolts.					

NO.			Rs.		Rs.	AMOUNT Rs.
	The work shall also include cutting both, the m. s. square sections and m. s. flats in required length, welding the m. s. square sections, cleaning the welding joints, making required holes and finishing the square sections and m. s. flats, with minimum two coats of synthetic enamel paint over a coat of read lead / black prime.					
	Total quantity of 25mm x 25mmx 2mm m. s. tube sections	106.20		1.00		
		kg		kg		
	Total quantity of 20mm x 4mm m. s. flats	21.76		1.00		
		kg		kg		
	Total amount of m. s. frame work					
11.2	Providing and fixing 3.0mm thick poly carbonate translucent sheet on m. s. square tube frame work on top of service ducts.	14.00		1.00		
		smt		smt		
	Total amount of poly carbonate sheet					
12.0	WATER SUPPLY & DRAINAGE					
	WORK :					
12.1	Removing all surface and concealled water supply pipe lines of different diameters from the front road to under ground water tank, from O. H. water tank to the outer walls of all kitchens at every floor and drainage pipes of 100mm dia from outer walls of all toilets at every floor to ground level etc. and stacking the serviceable material on one side and carting away the non usable materials etc. complete.	1.00		1.00		
		job		job		
12.2	Providing and laying in ground schedule 80 uPVC pipe 25mm dia & 38mm dia in place of g. i. pipe from entrance gate to the under ground water tank including all fittings etc. complete.					
	25mm dia uPVC pipe	33.00		1.00		
		rmt		rmt		
	38mm dia uPVC pipe	33.00		1.00		
		rmt		rmt		
12.3	Providing and laying schedule 80 uPVC 32 mm dia water supply pipe from O. H. water tank to all kitchens at all floors.	78.00		1.00		
		rmt		rmt		
12.4	Providing and fixing control valve 32mm dia of approved make, brass body on the 32mm dia water supply pipe line.	12.00		1.00		
		nos		no		
12.5	Providing and fixing to wall ceiling and floor schedule 80, 600 kg f / cm working pressure SWR pipe of 100mm dia, low density complete with special flange, compression type fittings, wall clips etc. complete for drainage disposal.	77.00		1.00		
		rmt		rmt		
12.6	Providing and fixing to wall ceiling and floor schedule 80, 400 kg f / cm working pressure SWR pipe of 100mm dia, low density complete with special flange, compression type fittings, wall clips etc. complete for rain water disposal.	22.00		1.00		
		rmt		rmt		
	Total amount of drainage & water supply work					
13.0	WATER PROOFING WORK :					
	Cleaning the entire terrace above apartments, above the staircabin and floor of the overhead water tank, tapping the top surface of terrace (china mosaic or IPS) with help of stick, removing the portion sounding hollow, filling the same with Dr. Fixit Polymer Mortar HB or Renderoc SP 40 polymer modified structural grade repair mortar of Fosroc or equivalent, to make even surface, filling the existing cracks in the chaina mosaic flooring, making 'V' shape groove in IPS flooring filling the same with Dr. Fixit Crack - X Range or Renderoc CF of Fosroc or equivalent, covering the cracks with stripes of about 100mm wide non woven cloth applying Dr. Fixit Torchshield Primer with help of brush or roller, allowing it to dry for 24 hours, applying 4mm thiock Dr. Fixit Torchshield AP 3160 polymore modified memrend in 10m x 1m size roll with 100mm overlap along width and 150mm overlap on roll ends etc. complete.	317.00		1.00		
		smt		smt		
	Total amount of water proofing work					

NO.			Rs.		Rs.	AMOUNT Rs.
14.0	PEST CONTROL TREATMENT :					
14.1	Providing and applying pest control treatment of anti termite emulsifiable concentrate Lindane 20 % E. C. or Chlorophyriphos 20 % E. C. or any other equivalent BIS brand as per method given in IS specifications below flooring and around periphery at the ground floor and inside the basement including issuing 10 years guaranty certificate in the prescribed format etc. complete. The druge shall be inserted in minimum 1'-0" deep holes made at every 1'-0" distance along the periphery of all walls and at every 2'-0" distance in the floor between four walls. However for payment actual built up area along the inner edge of the walls at the basement and at the ground floor outer edge of the peripheral walls shall be considered.	916.00 smt		1.00 smt		
	Total amount of pest control work					
15.0	MICELANIOUS WORK :					
15.1	Providing and fixing modular baskets as per site measurement in the existing kitchen platforms	9.60 smt		1.00 smt		
15.2	Providing and fixing heavy duty cast iron lid with frame for percolation wells, catch pits and new manholes.	8.00 no		1.00 no		
15.3	Filling coarse riversand in percolation wells.	9.50 cmt		1.00 cmt		
15.4	Filling river pebbles in percolation wells	9.50 cmt		1.00 cmt		
15.5	Wooden Almirah of 7 feet height, with shutter 19 mm plywood MR grade, having winimum 2 nos. drawer and shirt hanger bar designed as per Architect.	45.00 smt		1.00 smt		
15.6	Removing Existing WC and installing European WC size 70x45x65 cm (LxBxH) minimum size ground mounted complete with flushing unit, seat cover all complete.Jaguar, Hindustan, Parryware, equivalent.	10.00 nos.		1.00 nos.		
15.7	Washbasin 465x360x185 mm size wall hung white of approved make of Jaguar, Hindustan, Parryware, equivalent.	10.00 nos.		1.00 nos.		
15.8	Removing existing and providing and fixing SS Kitchen Sink as per existing dimensions.	10.00 nos.		1.00 nos.		
	Total amount of miscelaneous work				Rs	
	Gross Total Tender Amount excluding GST				Rs	
	Note : The above rates are exclusive of GST. The GST shall be paid by the owner as per the prevailing norms.					
	Date : 03-08-2022					