



The Assistant General Manager,
(Premises & Estates)
State Bank of India,
Local Head Office, Sector 17,
CHANDIGARH

PART-B: PRICE BID

**E-REVERSE AUCTION FOR PROPOSED CIVIL REPAIRS & RENOVATION WORK
OF TOWER-1 (16 FLATS) AT SBI AWARD STAFF COLONY, PHASE-X, MOHALI**

SUMMARY OF COST

	CIVIL / PHE / CARPENTARY WORKS	ONE FLAT	16 FLATS	TOTAL AMOUNT
1	PART-1: CIVIL WORKS			
2	PART-2: PHE WORKS			
3	PART-3: CARPENTARY WORKS			
4	PART-4: EXTERIOR REPAIR, COMMON AREA, WATERPROOFING AT TERRACE			
	TOTAL			

ADD GST @ 18%

PROJECT ARCHITECT

M/s Right Angle
Plot no. 1250, 3rd floor
Sector 82, JLPL Industrial Area,
SAS Nagar Mohali.
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SIGNATURES OF CONTRACTOR WITH SEAL

PRICE-BID**REPAIR & RENOVATION OF 2 BHK FLATS, SBI COLONY, PHASE-10, MOHALI (PB)****PART-1: CIVIL REPAIR & RENOVATION WORKS OF ONE FLAT**

S.No.	Specifications	Qty.	Units	Rate	Amount
1.1	Dismantling of tiles in toilet floor & walls, kitchen dado, R.C.C. slabs manually/ by mechanical means including stacking of steel bars, cutting holes for ventilators in toilet, bath & kitchen for exhaust fans, including disposal of malba & unserviceable material away from site.	1	job		
	Removal of all door & window chaukhats including stacking of the material as instructed.				
	Disconnection & removal old Sanitary fittings, removal of old GI & CI pipes as required.				
1.2	Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand)				
	Above plinth level upto floor V level	0.35	cum.		
1.3	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.				
	Glazed vitrified floor tiles polished finish of size 600 x 600 mm (Basic rate, double charged polished tiles= 460/- per sq.m.)	38.10	sq.m.		
1.4	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades,except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.	4.50	sq.m.		

1.5	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.	24.50	sq.m.		
1.6	Providing and fixing Polished Granite stone in kitchen counter with 18 mm thick stone slab over a layer of 6mm thick High density Polystyrene foam which is fixed over the counters using heatex/ equivalent adhesive. The slabs of stone shall be jointed with silicone adhesive of matching shade, all complete as specified and as directed by the Engineer-in-Charge. The front edge of the stone shall be made 36mm thick (by joining two pieces of stone) and provided with full round moulding along the visible edge of the counter.				
	Polished Granite stone slab of all colour and texture except Black, Cherry/Ruby Red	2.90	sq.m.		
	Black, Cherry/Ruby Red				
1.7	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:				
	(i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.				
	IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface				
	IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.				
	IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm). sqm 774.25	7.55	sq.m.		
1.8	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
	1:4 (1 cement: 4 fine sand)	8.75	sqm.		
1.9	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.				
	Two or more coats on new work	160.55	sqm.		
	TOTAL AMOUNT OF PART-1				

PART-2 PHE WORKS OF ONE FLAT					
	Specifications	Qty.	Units	Rate	Amount
2.1	Providing & Fixing floor mounted one-piece EWC including flushing cistern with dual flush (3/6ltrs) including all fittings & fixtures, water jet, seat cover complete in all respects. Model Aspiro S-100 of Hindware or equivalent of Cera/Somany/Parryware	1.00	no.		
2.2	Providing & Fixing Wash Basin with pedestal including all fittings & fixtures complete in all respects. Model CLEO of Hindware or equivalent of Cera/Somany/Parryware	1.00	no.		
2.3	WATER SUPPLY				
	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.				
a)	15 mm dia nominal bore	40.00	mtr		
b)	20 mm dia nominal bore	10.00	mtr		
2.4	SOIL WASTE DRAINAGE PIPE WORK				
	Providing & fixing PVC(SWR) Pipes Type B, heavy class conforming to S13592-1992. (PRINCE / SUPREME / DIPLAST/ ASTRAL), including necessary fittings like bend, offset, collars etc., complete. Rates to include cutting/ chasing walls, floor, fixing pipe & making good the damages with cement mortar, complete in all respect.				
a)	75 mm dia	10.00	rft		
b)	100 mm dia	10.00	rft		
b)	150 mm dia	10.00	rft		
2.5	CP FITTINGS & ACCESSORIES				
a)	Providing & fixing 15mm dia CP Bibcock Bib Cock with CP wall flange, complete. (MODEL = Contessa Neo with wall flange, of Hindware) or equivalent of Cera/ESS ESS	1	nos.		
b)	Bibcock Long Body: same as above but long body (CAT no. F730011CP of Hindware) or equivalent of Cera/ESS ESS	4	nos.		
c)	Single Hole Basing Mixer: same as above but long body (CAT no. F730009CP of Hindware) or equivalent of Cera/ESS ESS	1	nos.		
d)	Providing & fixing 15mm dia CP Angle valve Angle valve with CP wall flange, complete. (MODEL = Contessa Neo with wall flange, (CAT no. F730039CP of Hindware) or equivalent of Cera/Jaquar	6	nos.		
e)	Providing & fixing CP jali (heavy duty) with CP outer ring, complete.	4	nos.		

f)	Providing & fixing single bowl Kitchen Sink size 24"x18"x8" model Flamingo of HINDWARE or equivalent of JAINA/NEELKANTH	1.00	nos.		
g)	Providing & fixing 600x450 mm or as directed, beveled edge mirror 5.5 mm superior glass (ATUL/ SAINT GOBAIN) complete with 6 mm thick hard board ground fixed to wooden cleats & CP brass screws, washers & clips etc. complete.	1.00	No.		
	TOTAL AMOUNT OF PART-2				
	PART 3 CARPENTARY WORKS OF ONE FLAT				
3.1	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge				
	Profile C				
	Fixing with adjustable lugs with split end tail to each jamb	3	mtr		
	Profile E				
	Fixing with adjustable lugs with split end tail to each jamb	15.00	mtr		
3.2	JAALI SHUTTER : Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :				
	30mm thick, With ISI marked stainless steel butt hinges of required size, Second class teak wood	2.50	sq.m.		
3.3	GLAZED SHUTTER: Same as above but with 4,0mm thick clear float glass instead of Jaali	3.00	sq.m.		
3.4	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 ply on both faces of shutters:				
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	6.70	sq.m.		
	with 1.0m thick laminate on both sides with grooving as per pattern & teakwood beading all around with polish				
3.5	OVER HEAD STORAGE :				

	Providing & fixing back credenza 12" deep (top surface 12" as per site) & 30" HT. made of 19 mm thick commercial ply board and 6 mm thick plywood on back side & 1mm thk laminate of approved shade on top horizontal surface & vertical visible side only, with teak wood lipping on all edges including bottom touching floor. The credenza will have drawers running on side mounting drawer slides (channels) of EBCO make & cupboard with shutters and one shelf as per drawings & details. The shutters with handle / knob and magnetic catcher shall be provided and non-visible/inside surfaces should be finished in enamel paint of white/off white shade. The teak wood edges / lipping / beading shall be Spirit polished with matching pigment.	1.90	sq.m.		
3.6	KITCHEN STORAGE				
	Providing & fixing back credenza 24" deep (top surface 18" to 24" as per site) & 2'-9" HT. made of 19 mm thick commercial ply board and 6 mm thick plywood on back side & 1mm thk laminate of approved shade on top horizontal surface & vertical visible side only, with teak wood lipping on all edges including bottom touching floor. The credenza will have drawers running on side mounting drawer slides (channels) of EBCO make & cupboard with shutters and one shelf as per drawings & details. The shutters with handle / knob and magnetic catcher shall be provided and non-visible/inside surfaces should be finished in enamel paint of white/off white shade. The teak wood edges / lipping / beading shall be Spirit polished with matching pigment.	2.70	sq.m.		
3.7	CUPBOARDS:				
	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and 1.0mm thick laminate on the face of the shutter and balancing laminate .8mm thick on the internal side of the shutter	3.55	Sq.m.		
	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws				
3.8	Sliding Window -living room				
a)	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. Aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminum 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 fixed portion :-Anodized aluminum (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	38.00	kg		
b)	Glass work				
	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)	3.50	sqm		
c)	Jaali in shutter				
	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading sqm 1521.60	0.30	sqm		
	TOTAL AMOUNT				
	CARRIED OVER TO SUMMARY				
	PART 4 EXTERIOR REPAIR, COMMON AREA, WATERPROOFING AT TERRACE				
	Specifications	Qty.	Units	Rate	Amount
4.1	Demolishing R.C.C. work manually/ by mechanical, brick tile covering, mud phaska in terracing including stacking of steel bars, serviceable material and disposal of removal of old water tanks including unserviceable / material unserviceable within 50 metres lead as per direction of Engineer - in- charge.	1.00	job		
	<u>Scope of work:</u> Dismantling of CC floor in passages (all floors), top layer of staircase steps, Tile terracing including mud phuska & any other plaster area which need repairs.				
4.2	Providing and laying integral cement-based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:				
	Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.				
	Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				

	After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge.				
	Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.				
	The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge				
	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	51.00	sqm		
4.3	10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay: 1 cow dung) and covered with flat tile bricks, grouted with cement mortar 1:3 (1 cement: 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat:	51.00	sqm		
	With common burnt clay F.P.S. (non-modular) brick tile of class designation 10				
	IN 75x75 mm deep chase				
4.4	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 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.	4	each		
4.5	PCC Work for Plinth protection: Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	4.50	cum		
4.6	<u>Plinth protection:</u> Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mmthick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth	58	sqm		

4.7	SUB FLOOR				
a)	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	39.00	cum		
b)	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources)	19.5	cum		
4.8	WATER METER COVERS				
	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer				
	10.5.1 Using M.S. angels 40x40x6 mm for diagonal braces	2.3	sqm		
4.9	INTERLOCKING PAVER TILES				
	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge	25.2	sqm		
4.10	FIBRE GLASS SHED (SHAFT AREA)				
	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.				
	2 mm thick flat	7.5	sqm		
4.11	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	75	kg		
4.12	WIND OPERATED TURBINE FAN				

	Providing & fixing wind operated turbine fan 24" dia. for ventilation in the shaft area, with vortex blades fabricated out of Industrial grade aluminium sheet, having stainless steel shaft (SS 304 grade), mounted on double sided ball bearings, having approx. output of 2300 cum. per hr., fixed in the fibre glass shed as above, with leakproof installation, complete in all respects.	2	no.		
	FINISHING WORK				
4.13	12 mm cement plaster of mix :				
	1:4 (1 cement: 4 fine sand)	44.00	sqm.		
4.14	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
	25 mm thick	91.00	sqm.		
4.15	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	24.00	sqm.		
4.16	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
	One or more coats on old work	23.00	sqm.		
4.17	Finishing walls with Acrylic smooth exterior paint of required shade				
	New work 2 or more coats applied @ 1.67ltr/10 sqm over and including priming coat of exterior primer applied @2.20 kg/10sqm.)	2,875.00	sqm.		
	PHE WORK				
4.18	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	8000	per ltr		
	MANHOLE				
4.19	19.7.1 Inside size 90x80 cm and 45 cm 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) :				
	19.7.1.1 With common burnt clay F.P.S. (non bricks of class designation 7.5	2	each		
	TOTAL AMOUNT				