

**FINANCIAL BID: STRUCTURAL REPAIRS WORKS,**  
**VULCAN INSURANCE BUILDING, VEER NARIMAN ROAD,**  
**CHURCHGATE, MUMBAI.**

Sr.No.	Description	Qty	Unit	Rate	Amount
1	Removing/Breaking existing damaged sand faced plaster and neeru finished plaster of any thickness using small chisel and hammer carefully, not damaging surround solid plaster, including scaffolding, collecting, stacking and carting away the debris from the site etc. complete.	4000.00	SFT		
2	Removing existing damaged Internal neeru finished plaster using small chisel and hammer carefully, collecting, stacking, carting away the debris etc. complete.	8000.00	SFT		
3	Removing /breaking damaged loose concrete from R.C.C. members like pardi, column, ceiling etc. of any thickness using small chisel and hammer, including scaffolding, collecting, stacking and carting away the debris from site etc. complete	5000.00	SFT		
4	Providing and applying rust remover rusticide by sunanda including cleaning the reinforcement bar of rust with wire brush chipping the rust etc Apply rust remover with brush. etc. complete.	5000.00	SFT		
5	Providing and applying approved rust passivator after 24 hrs. of rust remover of 1 kg of passivator with 1.25 kg. of fresh cement into lump free consistency to reinforcement by a paint brushed brushed, as per manufacturers specification etc. complete.	5000.00	SFT		
6	Providing and applying polymer based bond coat with cement ratio of 1:1 by volume in form of slurry over the entire concrete and steel surface receiving polymer modified mortar treatment immediately etc. complete	7000.00	SFT		
7	Providing and applying polymer modified mortar in proportion of 1P:5C:15 quartz sand adding reasonable quantity of water, in layer of 0 to 30mm thick in average. As directed over concrete members leaving surface rough to receive the further treatment the mix shall be prepared in a tray and applied hand packed	3000.00	SFT		

	including scaffolding curing etc. complete.				
8	Providing /applying modified polymer mortar in proportion of 1:5:15 of 0 to 50 mm thk including trawling the Matle No:1, in three layers, first layer shall be applied 18mm thick and trawl Matle No-1 in the mortar, second day apply a bonding coat and then apply another 18mm thk coat of polymer mortar, third day apply final and finished coat of 14mm thk of Polymer Mortar every coat shall be provided with curing including scaffolding /staging etc.complete.	2000.00	SFT		
9	Removing/refixing existing Aluminum section French Type windows along with the M.S. Angle frame provided from outside carefully. The removed windows shall be stacked at the places providing screws, noils, louvered, glasses, including scaffolding staging etc. complete.	QRO	SFT		
10	Providing/fixing/erecting/supplying French Type Aluminum section make glazed windows of required size and design, using wire glass for glazing,including all fittings and fixtures, including scaffolding and staging if required etc. complete (bidder shall visit the site and inspect the existing make, size, type of window before coating the rates and rates shall be inclusive of removing charges)	QRO	SFT		
11	Dismantling/breaking damaged R.C.C. Concrete of any R.C.C. Members at any height and level carefully with the help of small chisel and hammer,lowering down stacking, carting away the debris from site, including scaffolding, cutting the damaged reinforcement bars AND Providing /casting in situ cement concrete M-20 of trap metal for R.C.C. Columns, beams, slabs and chajjas as directed, including centering form work, compacting, curing not less than seven days etc. complete.	QRO	SFT		
12	Removing/refixing existing M.S. Frame glazed windows of any size and shape carefully,stacking the same at the plas given by client properly that the same cane be reused, including minor	250.00	SFT		

	repairing, making etc. complete.				
13	Providing and casting in situ Micro Concrete of approved company as directed including centering, form work, compacting, hacking the surface to receive plaster, curing for day etc. complete.	1900.00	KG		
14	Providing/applying sand faced plaster externally using approved screened river sand in all coats, 25mm thickness in average, admixture water-proofing compound @ 1.0 kg per day of cement, curing the same for not less than 14 days, in cement sand mixture 1:4, finishing the surface by taking out grains by sponge including scaffolding etc	4000.00	SFT		
15	Providing/applying internal plaster 12mm 14mm thick in cement mortar 1:4 with neeru finished concrete or brick surface in all positions and levels, including using screened river sand etc. complete.	8000.00	SFT		
16	Providing/fixing in positions 6mm thk commercial ply for covering the opening of windows etc. to protect dismantled material and dust inside, dust indies, at all level and heights, etc. complete.	500.00	SFT		
17	Providing/fixing in position for steel reinforcement bars of various diameters for all types of R.C.C. Members as directed, including cutting, bending, hooking the bars, binding with wire of tack welding etc. complete.	750.00	KG		
19	Cleaning the existing R.C.C. finish of any loose materials, with the scrubbing by wire brush, cleaning the same with clean water, opening the cracks in 'v' shape of 5mm x 5mm if any cleaning the same with water jet-spray, filling the cracks with crack filling sealant, etc. complete.	450.00	SFT		
20	Cleaning existing stone masonry surface of the wall with the help of wire brush, cleaning the stone surface with clean water, cleaning, widening the loose joints of stone masonry cleaning the	QRO	SFT		

	joints with clean water and filling same with white				
	cement admixring the matching color pigment				
	to existing joint filling mortar curing including				
	scaffolding etc. complete.				
21	Providing and applying Acrylic paint in three	4000.00	SFT		
	coats on one coat of cement primer to be				
	external surface of building parapet wall lift				
	machine room, staricase room & O.H. tanks				
	etc. including scaffolding scrapping cleaning				
	the surface, washing and filling crevices with				
	approved sealant and applying the paint as				
	per the manufacturers specification or as				
	directed and approved curing etc. complete				
	including filling surface cracks.				
21a)	.....Do..... Oil Bound Distemper Paint	16750.00	SFT		
21b)	.....Do..... Oil Paint	3450.00	SFT		
22	Providing and laying in situ cement concrete M-15	125.00	CFT		
	(1:2:4) of trap metal for compound open space				
	pavement on the existing soling, compacting,				
	maintaining slop towards the gate etc complete.				
22A	Providing and laying in situ cement concrete M-25	QRO	CFT		
	(1:1:2) of trap metal for compound open space				
	pavement on the existing soling, compacting,				
	maintaining slop towards the gate etc complete.				
23	Removing existing waterproofing from the top	10000	SFT		
	of RCC f RCC chajja and the top of over head				
	water				
	storage tank carefully, using small chiesel and				
	hammer, upto the surface of concrete, collecting				
	stacking and carting away the debris from site .				
24	Providing and laying conventional waterproofing	10000	SFT		
	chemical treatment in two coats as directed by				
	the consultant after cleaning the exposed original				
	surface with wire brush/ scrubber/ vaccum				
	cleaner				
	/ blower/water jet etc. The terrace shall be then				
	treated with 20mm cement layering in C:M 1:3				
	with Cebex 112 & Conplast WL at 100ml each/				
	50kg.				

	Bag of cement or equivalent on base coat,				
	laying. Coba shall be laid using well burnt brick				
	bats (preferably old bricks) minimum 115mm				
	thick and joints filled in with cement mortar in				
	1:4 in true to lines & levels and gradients for easy				
	flow of rain water. It shall continue along with				
	parapet wall up to 300mm height in shape of				
	smooth half round wata including providing				
	grouting				
	nipples. Finally the top surface of brick bat coba				
	shall be laid over by china mosaic with acid wash				
	etc. complete				
25	Providing & Drilling hole in concrete-drill dia – 13mm,	QRO	Nos		
	fixing mechanical injection Packers using non				
	shrink				
	polymer mortar. Spacing 300 mm C/C OR as per				
	site condition.				
26	Injection grouting using Dr.Fixit PU/ Danoinject	QRO	Kgs		
	PUR/ HA CUT AF /				
	OR Equivalent, vinyl metha- acryl ate, Low				
	viscosity, hydro-swelling,				
	thermosetting resin in combination of HA Safe				
	foam / Masterroc				
	MP 355 1K- Using specialized injection pump				
27	Providing and applying Dr. Fixit Roofseal or	QRO	SFT		
	equivalent elastomeric				
	waterproofing chemical coating over the existing				
	terrace floor slab surface,				
	including thorough surface cleaning to remove				
	dust, loose particles, and old				
	treatment (if any), repairing surface cracks with				
	polymer-modified mortar,				
	and applying a minimum of two coats of Dr. Fixit				
	Roofseal as per				
	manufacturer's specifications using brush/roller.				
	The system should be				
	applied at the recommended coverage rate to				
	achieve a durable, UV-				
	resistant, flexible waterproof membrane. The				
	work shall include all				
	materials, tools, surface preparation, curing,				
	labour, and incidental works				
	to complete the job in all respects.				
28	Providing, detailing, fabricating and fixing at desired	QRO	Kgs		
	location using hot rolled				
	sections and MS Plates of grade Fe 250 as per				
	specifications and approved				

	fabrication drawings (which are to be prepared by Contractor and got approved				
	from Engineer), transporting to site and erecting structural steel members for all				
	heights & at all levels including provision of necessary erection bolts, fixing				
	bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary				
	fixtures and operations like preheating as per specifications, straightening,				
	bending, cutting, drilling, grinding, machining if specified, welding, grinding and				
	removing the welding burr and preparing surface for painting with wire brush				
	cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30				
	microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30				
	microns after fabrication including touching up with spray painting after				
	erection etc complete as directed by Engineer In Charge. (The qty. for this item				
	shall be measured for gusset plates, base plates, bolts in M.T.)				
29	Providing and constructing 230 mm (9") thick brick masonry in cement	QRO	SFT		
	mortar 1:6 (1 cement: 6 coarse sand) in superstructure above plinth level at all				
	heights and locations, using first class bricks of standard specifications, .				
	including raking of joints, scaffolding, curing, necessary staging, and disposal				
	of debris, etc., complete as per drawing and direction of Engineer-in-charge				
30	Providing and constructing 230 mm (9") thick AAC (Autoclaved Aerated	QRO	SFT		
	Concrete) block masonry with block adhesive as per site incharge in				
	superstructure above plinth level at all heights and locations, using approved				
	quality AAC blocks of standard size and density, including proper bonding,				
	leveling, raking of joints, scaffolding, curing, and disposal of debris, etc.,				
	complete as per drawing and direction of Engineer-in-charge.				
31	Providing and applying internal cement plaster in patches or long stretches	QRO	SFT		

	over the removed plaster portion in C.M. 1:4 upto average 20 mm thickness,				
	including addition of water proof chemicals of Sunanda or equivalent approved				
	make, providing bands, drip moulds, grooves, scaffolding, curing for 7 days,				
	application of Terraco Spray after cement plaster has dried out etc. complete.				
32	Parapet wall top concrete coping upto 6 thick in shape as directed by C.E.	QRO	Rft		
	Width 1'6" with inward slope & 2" projection on both side incl. reinforcement				
	at 12 mm 6 main bars & 8 mm ring @ 6° cic as directed by C.E.				
33	Providing and fixing PVC rain water pipe of "Prince" or equivalent approved	QRO	Rft		
	make conforming to IS 13592 of SWR quality 4 kg/cm2 pressure rated, at any				
	locations and at all levels, scaffolding etc. including all PVC fittings like bands,				
	shoes, clamps, supports etc. jointing with rubber ring/ solvent cement, leak				
	proof adhesive etc. cutting and making good the walls and floors etc. complete.				
	As per instruction of rain water pipe manufacturers ND EIC. 150 mm dia with				
	PVC clamps				
34	Providing and fixing PVC downtake pipe of "Prince" or equivalent approved	QRO	Rft		
	make conforming to IS 13592 of SWR quality 4 kg/cm2 pressure rated, at any				
	locations and at all levels, scaffolding etc. including all PVC fittings like bands,				
	shoes, clamps, supports etc. jointing with rubber ring/ solvent cement, leak				
	proof adhesive etc. cutting and making good the walls and floors etc. complete.				
	As per instruction of rain water pipe manufacturers ND EIC. 100 mm dia with				
	PVC clamps				
	TOTAL				
	Less: Salvage Amount				
	Grand Total Amount				
	GST Extra				