

**Schedule of Quantities**

**Renovation of Corridor, Face Lifting to Rear Portion and Painting to few Rooms of A and B Wings of Bhagirathi Guest House at SNBNCBS, Block-JD, Sector-III, Salt Lake, Kolkata - 700 098.**

SI No.	Description of Item	Unit	Quantity	Rate in words	Rate in figure	Amount	Remarks
1	<b>Cleaning the concrete surface</b> by removing dirt and debris, making defective locations and removing loose concrete by careful stripping until hard surface is exposed, cutting the concrete to regular shape, wire brushing the exposed surface, cleaning the exposed reinforcement preferably upto full full diameter by wire brush, applying two coats of polymer based rust removing compounded left for 24 hours, removing the coating and then applying two coats of polymer modified anticorrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification. Removing debris from site complete as per direction of the Engineer-in-Charge.	sq m.	50.000				
2	<b>Removing corroded worn out portion of reinforcement</b> (when the area of bar is damaged by more than 25%) by cutting and replacing the same by a new plain round bar of requisite diameter by binding with required lap / welding with old bar, including cost of reinforcement, complete in all respect including removing unserviceable materials from site as per direction of the Engineer - in charge. <b>Note: Payment on weight (Kg.) of new reinforcement.</b>	kg	10.000				
3	Applying epoxy based reactive joining agent for <b>joining the old concrete with fresh concrete</b> to be applied within manufacturer's specified time as per manufacturers specification. (0.4 kg/m <sup>2</sup> of concrete surface).	sq m.	50.000				
4	<b>Polymer modified repairing concrete</b> / crete like 'Polymer mortar PX' of Pidilite, Perma 'Polycrete of Perma or similar materials of approved make and based on average thickness 15mm (coverage to be calculated as per manufacturer's specification).	sq m.	50.000				
5	<b>Stripping off worn out plaster</b> and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75 m as directed (on external wall).	sq m.	300.000				
6	<b>15mm thick the (average) cement plaster 1:4</b> (1 cement: 4 medium sand) to external masonry surface exposed concrete surface including flooring, web to the junction of wall & chajja drop concrete or throating at the surface of the projected member with mixture of approved water proofing compound / latex as per manufacturer's specification, as per direction of Engineer-in-Charge complete to all floors including cost of scaffolding etc as required complete as per direction of Engineer-in-Charge.	sq m.	300.000				
7	Extra over plaster work for providing & mixing 6 mm cut length <b>polyester fibre</b> of approved quality and make, @ 125 gms per bag of cement. The work to be executed as per manufacturers specification. All complete as per directions with all labour and materials.	sq m.	5.000				
8	Hire and labour charges for <b>centering &amp; shuttering</b> , with sufficiently rigid steel shuttering plate, 9 to 12 mm thick ply board with necessary frame work around with bracings as per direction for building works including rigid steel/required diameter hard wood bullah props, bracings, etc with bolts & nuts, tension devices etc for item nos. 1,2, above as per drawing, fitting, fixing and striking out after completion of work with all labour and materials (only the area in contact with concrete surface to be measured and paid).  At any places of superstructure with columns, circular columns, beams, curved beams, slabs, curved slabs, lintels, chajjas, fins, bands, copings, staircases, walls ( any thickness) including attached pillasters, buttresses, plinth and string courses etc.	sq m.	5.500				
9	<b>Steel reinforcement</b> (for all types of reinforced concrete work) including main and distribution bars, stirrups, binders, reinforcement from column face as advised to use as sheer connector for brick wall etc including supply of steel and straightening of coil bars, bend bars, and removal of loose rust including applying a coat of cement wash (if necessary) cutting to requisite length, hooking, bending to correct shape, placing in proper position and binding with 20 gauge black annealed wire at every intersection complete as per drawing and direction with all labour and materials in all floors.  Reinforcement with high strength ribbed deformed bars conforming to IS 1786, Fe 415 grade.	MT	0.100				

SI No.	Description of Item	Unit	Quantity	Rate in words	Rate in figure	Amount	Remarks
10	<b>Reinforced cement concrete</b> work in walls (any thickness, including attached plasters, buttersses, plinth and string courses, fillets, columns, pillars etc at any place directed by Engineer-in-Charge.  1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	cu m	1.000				
11	<b>Brick work in cement mortar 1:6</b> ( 1 cement and 6 medium sand) with K.B FPS bricks having crushing strength not less than 105 Kg/sqcm to plain or curved surface including set back, off set, splays, pillars, piers, cable trench, small strips, steps, bands with cut bricks etc complete in all respects as per drawings & specification with all labour & materials. Rate shouldalso include for necessary scaffolding to construct the brick work keeping the outer face in plumb.  Above plinth level upto floor V level.	cu m	1.000				
12	<b>Brick work in cement mortar 1:4</b> ( 1 cement and 4 medium sand) with K.B FPS bricks having crushing strength not less than 105 Kg/sqcm to plain or curved surface including set back, off set, splays, pillars, piers, cable trench, small strips, steps, bands with cut bricks etc complete in all respects as per drawings & specification with all labour & materials. Rate should also include for necessary scaffolding to construct the brick work keeping the outer face in plumb.  Half brick masonry work with kiln burn FPS bricks of crushing strength not less than 105 Kg/sqcm in cement mortar 1:4 ( 1 cement and 4 medium sand) to plain or curved surface including H.B netting in every third layer in superstructure above plinth level complete with all labour and materials.  Above plinth level upto floor V level.	sq m.	5.100				
13	Painting with 1st quality <b>synthetic enamel paint</b> two or more coats to achieve proper even shade of approved shade and quality synthetic enamel paint over a coat of red oxide zinc chromate primer to all types of steel surface after preparation of surface properly with all labour and materials in all floors.	sq m.	151.000				
14	Providing and painting with 1st quality <b>exterior grade acrylic emulsion paint</b> having low VOC of external wall, columns, chajja, chajja with facia, apron, bands, offset, mouldings etc over plastered surface ( two or more coats to give an even shade) as per manufacturer's specifications minimum @ 1.43 kg/10 sqm with a base coat of water proofing cement paint applied @ 2.20 kg/10 sqm complete with all labour and materials including scaffolding etc. Rate should also include the cost of preparing surface properly as per direction in all floors (Plaster work measured separately).	sq m.	1670.000				
15	<b>Dismantling tile work</b> in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 15 mm.	sq m.	106.000				
16	<b>Labour for taking out door and window frame</b> including shutter for repair or replacement of different parts of the frame & refixing the same including mending good all damages complete. Above area 2.5 sq. m.	sq m.	10.200				
17	<b>Cement plaster (in coarse sand)</b> 15 mm cement plaster on rough side of single or half brick wall of mix :  1:4 (1 cement : 4 coarse sand)	sq m.	106.000				
18	Providing and laying <b>Vitrified tiles</b> 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, <b>in skirting</b> , riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of tile 600 X 600 mm	sq m	46.000				

SI No.	Description of Item	Unit	Quantity	Rate in words	Rate in figure	Amount	Remarks
19	Providing and laying <b>Vitrified tiles in floor</b> with 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 with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of tile 600 X 600 mm	sq m	522.000				
20	<b>Removing white or colour wash including existing putty or POP</b> by scrapping and sand papering and preparing the surface smooth including necessary repair to scratches etc.	sq m	3100.000				
21	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	3100.000				
22	Applying <b>priming coats</b> with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	sq m	3100.000				
23	Wall <b>painting with acrylic emulsion paint</b> , having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats.	sq m	3100.000				
24	French spirit polishing: One or more coats on old work.	sq m	255.000				
25	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. <b>Raj Nagar Plain white marble</b> Area of slab upto 0.50 sq m.	sq m	5.200				
26	Providing <b>edge moulding</b> to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Marble work	RM	52.000				
<b>Total =</b>							
<b>Total Rs. .... (In words Rupees..... Only)</b>							