



Sub: Re-Construction of damaged Boundary wall at NBSC, Siliguri.

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
1.0	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 150 m.	15	Cu.M.	504.00	7,560.00
2.0	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 150 m. including stacking of steel bars.	2	Cu.M.	1956.00	3,912.00
3.0	Labour for scrapping and picking up old dilapidated mortar / plaster (Cement / Surki / Lime mortar) from the surface of old Brick faces including cleaning the frog without damaging the Brick and stacking the Bricks at Site / Stacking yard as per direction of Engineer-in-charge including removing all debris rubbish from site complete, as per direction of Engineer-in-Charge.	2000	Each	0.95	1,900.00
4.0	Bailing or pumping out water from foundation trenches. This item should be executed on the specific direction of the Engineer-in-charges when he is satisfied in his absolute discretion, that this has not been necessitated due to any fault on the part of the contractor. <i>(Payment, if permitted, will be made on the quantity of water calculated on the basis of initial and final water level measured before starting and completion of each days work which necessitates a bailing / pumping of water from the trench. The final level of water to be measured, will depend on the level at which the day's work will be taken up. The rate includes any seepage water that may percolate in the trench during pumping)</i>	100	Cum	20.88	2,088.00
5.0	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 150 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. Depth of excavation not exceeding 1,500 mm.	50	Cum	119.27	5,963.50
6.0	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. With earth obtained from excavation of foundation.	50	Cum	77.54	3,877.00
7.0	Filling in foundation or plinth by silver sand/ local fine sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (Payment to be made on measurement of finished quantity).	3	Cum	753.94	2,261.82

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
8.0	Single Brick Flat Soling of picked jhama bricks including ramming and dressing of bed to proper level and filling joints with local sand.	7	Sqm.	324.00	2,268.00
9.0	Labour for laying soling with departmental bricks including carriage of departmental bricks within a lead of 150 metres preparation of bed as necessary with brick joints properly filled in and packed with local sand or powdered earth and including necessary cushion of similar materials below the soling (and in between layers when more than one layer is used) (The item included the cost of obtaining local sand or powdered earth). Single brick flat soling (thickness 75 mm).	30	Sq.M	35.84	1075.20
10.0	Providing and laying in position Ordinary Cement concrete/ Reinforced cement concrete of specified grade with graded stone chips of 20 mm nominal size, excluding the cost of centering, shuttering and reinforcement, if any, all work upto ground floor roof as per relevant IS codes.				
10.1	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	2.5	Cum	6,432.10	16,080.26
10.2	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	14.5	Cu.M.	7,385.06	107,083.37
11.0	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. For works in foundation and upto roof of ground floor/ upto 4 m using Thermo-Mechanically Treated bars of grade Fe500D or more. (Make: TATA/ SAIL/ RINL/ JINDAL)	1050	Kg	88.00	92,400.00
12.0	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor).				
12.1	With 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	125	Sqm.	328.00	41,000.00
12.2	With steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work	1	Sqm.	363.00	363.00
13.0	Brick work with 1st class bricks (Class designation 75) in cement mortar (1:6)				
13.1	In Foundation & plinth	1.0	Cum	4,896.00	4,896.00
13.2	In superstructure at any floor.	0.5	Cum	5,119.00	2,559.50
14.0	Brick work in Foundation & plinth with Departmental bricks in cement mortar (1:6).	3	Cum.	2,212.00	6,636.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
15.0	125mm thick brick work with 1st class bricks in cement mortar (1:4) at any floor.	80	Sqm.	674.00	53,920.00
16.0	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary at any height. With 1:6 cement mortar, 20mm thick plaster.	300	Sqm.	161.00	48,300.00
17.0	Labour for Chipping of concrete surface before taking up Plastering work.	50	Sqm.	21.00	1,050.00
18.0	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	30	Sqm.	34.00	1,020.00
19.0	Scraping and removing greasy soot from walls or ceiling of kitchen or similar smoke affected rooms and preparing the surface.	50	Sqm	7.00	350.00
20.0	Removing old scales, blisters etc. of interior surface of walls, ceiling by scraping etc. and preparing smooth and even surface with rendering or cement mortar (1:2) (as necessary), to make the surface suitable for receiving distemper/ acrylic emulsion etc.. (Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge)	140	Sqm	10.17	1,423.80
21.0	Rendering the surface of walls and ceiling with white Cement base WATER PROOF wall putty of approved make and brand (1.5mm thick) and prepare the surface even and smooth all complete. (Make: JK Shieldmax, Birla White Wallseal, Asian paints Smartcare.)	10	Sqm.	122.00	1,220.00
22.0	Applying Exterior grade Acrylic primer of approved quality and brand (ICI Dulux Weathershield Alkalibloc PU+, Berger Seal O Prime, Asian paints Smart care Damp Sealth) on plastered or concrete surface (old or new surface) to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC at any floor. One Coat applied @ 0.9 ltr/ 10 sqm. <i>Physical consumption of primer will be verified with the actual area of painted surface and penalty @Rs.220/lit will be imposed if any deviation is found with respect to the consumption of primer according to the manufacturer's specifications.</i>	260	Sqm.	31.40	8,164.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
23.0	<p>Protective and Decorative Acrylic exterior emulsion paint of approved quality and brand (ICI weathershild Protect/ Asian paint Apex Ultima Protek/ Berger Long life10.), as per manufacturer's specification and as per direction of Engineer-In-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.</p> <p>Two or more coats applied @ 1.67 ltr/ 10 sqm with Super protective 100% Acrylic Emulsion paint. Rate is inclusive of applying additional coats wherever required to achieve even shade and colour.</p> <p><i>Physical consumption of paint will be verified with the actual area of painted surface and penalty @Rs.550/lit will be imposed if any deviation is found with respect to the consumption of paint according to the manufacturer's specifications.</i></p>	260	Sqm.	97.00	25,220.00
24.0	<p>Applying Interior grade Acrylic Primer of approved quality and brand (ICI Dulux Weathershield Alkalibloc PU+, Berger Seal O Prime, Asian paints Smart care Damp Sealth) on plastered or concrete surface in old or new work to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC at any floor.</p> <p>Water based interior grade Acrylic Primer One coat.</p> <p><i>Physical consumption of primer will be verified with the actual area of painted surface and penalty @Rs.130/lit will be imposed if any deviation is found with respect to the consumption of primer according to the manufacturer's specifications.</i></p>	140	Sqm.	30.80	4,312.00
25.0	<p>Applying Acrylic Emulsion Paint of approved make and brand (Asian Paints Apcolite/ ICI Dulux Super Clean 3 in 1/ Berger Easy clean fresh) on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : Two or more coats with Luxury Quality Acrylic Emulsion Paint. (Rate is inclusive of applying additional coats wherever required to achieve even shade and colour.)</p> <p><i>Physical consumption of paint will be verified with the actual area of painted surface and penalty @Rs.440/lit will be imposed if any deviation is found with respect to the consumption of paint according to the manufacturer's specifications.</i></p>	140	Sqm.	70.00	9,800.00
26.0	<p>Priming one coat on steel or other metal surface with synthetic oil bound Zin chromate primer of approved quality including smoothening surfaces by sand papering etc.</p>	20	Sqm.	29.00	580.00
27.0	<p>Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.</p>	45	Sqm.	38.00	1,710.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
28.0	Painting with best quality synthetic enamel paint of approved make and brand (ICI Dulux 5 in 1, Berger PU enamel, Asian paints Apcolite or Equivalent) including smoothening surface by sand papering etc., including using of approved putty etc. on the surface, if necessary.				
28.1	Two coats (with any shade except white) with super gloss (hi-gloss) of approved quality on timber or plastered surface.	45	Sqm.	81.00	3,645.00
28.2	Two coats (with any shade except white) with super gloss (hi-gloss) of approved quality on steel or other metal surface.	20	Sqm.	79.00	1,580.00
29.0	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-incharge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc. Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be make by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structal members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no seperate payment being made for these items, as per direction of Engineer In Charge. For structural members of specified sections weighing less than 22.5 Kg./m	0.05	MT	74,571.00	3,728.55
30.0	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	1	L.S.	2,500.00	2,500.00

Cost of Civil works ::: 470,447.00

Labour welfare cess @ 1% over Basic value of work ::: 4,704.00

Total cost of Civil work including LWC ::: 475,151.00

GST @ 18% over the total cost of Civil works including LWC ::: 85527.00

Estimated Gross value of work including GST @18% & LWC @1% = 560,678.00

Say Rs. 560,678.00