

SCHEDULE 'A'

Annexure: I

Name of work: Repair and Modification of Factory boundary wall in side factory area.

S.No	Description of items	Qty.	Unit	Rate	Amount
1	Demolishing cement concrete including disposal of material within 50 metres lead: 1:3:6 or richer mix.	5.00	cum	368.45	1842.25
2	Demolishing RCC work including stacking of steel bars and disposal of unserviceable material within 50 metres lead.	5.00	cum	537.55	2687.75
3	Extra for scrapping, cleaning and straightening reinforcement from RCC or RB work.	500.00	kg	1.45	725.00
4	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres lead: In cement mortar.	105.00	cum	310.75	32628.75
5	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured): From brick work in cement mortar	45000.00	Nos. 1000.00	998.80	44946.00
6	Demolishing stone rubble masonry including stacking of serviceable material and disposal of unserviceable material within 50 metres lead: In cement mortar	5.00	cum	370.75	1853.75
7	Dismantling steel work in built up sections without dismembering and stacking within 50 metres lead.	500.00	kg	0.60	300.00
8	Dismantling including stacking of serviceable material and disposal of unserviceable material within 50 metres lead: i) Water bound macadam road	50.00	sqm	34.30	1715.00
	ii) Bituminous road	50.00	sqm	66.30	3315.00
9	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead:	100.00	sqm	8.20	820.00
10	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	100.00	cum	103.40	10340.00
11	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations, etc. in layers not exceeding 20 cm in depth : consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5m	50.00	cum	45.70	2285.00
12	Carriage of material by mechanical transport l/c loading , unloading & stacking i) Lime, moorum, building rubbish - 1 Km lead	100.00	cum	39.53	3953.00
	ii) Earth - 1 Km lead	100.00	cum	49.42	4942.00
13	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: a) 1 : 4 : 8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	9.00	cum	1560.45	14044.05
	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	10.00	cum	1584.89	15848.90
14	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	30.00	sqm	58.60	1758.00
15	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level. a) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	5.00	cum	1687.04	8435.20
16	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement.				

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S.No	Description of items	Qty.	Unit	Rate	Amount
	a) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	11.00	cum	2047.44	22521.84
17	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	52.00	cum	2001.29	104067.08
18	Centring and shuttering including strutting, propping, etc. and removal of form for: a) Lintels, beams, plinth beams, girders, bressumers and cantilevers.	300.00	sqm	162.65	48795.00
	b) Columns, pillars, piers, abutments, posts and struts.	150.00	sqm	238.40	35760.00
19	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. (Reinforcement bars will be supplied free of cost from BHEL stores.)	6500.00	kg	6.35	41275.00
20	Add or deduct for plaster drip course/groove in plastered surface or moulding to RCC projections.	200.00	metre	11.95	2390.00
21	Coursed rubble masonry (second sort) with hard stone in foundation and plinth with Cement mortar 1 : 6 (1 cement : 6 coarse sand)	16.00	cum	1521.09	24337.44
22	Brick work with FPS bricks of class designation 50 in plinth & foundation of mix cement mortar 1 : 6 (1 cement : 6 coarse sand) (with govt. brick dismantled from old brick masonry or supplied by department free of cost.	10.00	cum	704.91	7049.10
23	Extra for brick work in superstructure above plinth level upto floor V level.	75.00	cum	308.50	23137.50
24	12 mm cement plaster of mix: 1 : 6 (1 cement : 6 coarse sand) .	500.00	sqm	53.88	26940.00
25	15 mm cement plaster on the rough side of single or half brick wall of mix: 1 : 6 (1 cement : 6 coarse sand).	500.00	sqm	62.07	31035.00
26	Pointing on stone work with cement mortar 1 : 3 (1 cement : 3 fine sand): Raised and cut pointing.	80.00	sqm	99.71	7976.80
27	White washing with lime to give an even shade: New work (three or more coats).	800.00	sqm	6.75	5400.00
28	Colour washing such as green blue or buff to give an even shade: New work (two or more coats) with a base coat of white washing	100.00	sqm	9.30	930.00
29	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: (Excluding the cost of paint). Two or more coats on new work.	40.00	sqm	29.50	1180.00
30	Labour only for fixing & stretching of G.I.barbed wire (issued by.deptt.) between the two posts placed at every 3.0m c/c fitted & fixed with G.I.wire etc. complete.	1000.00	metre	1.10	1100.00
31	Structural steel work in single sections fixed with connecting plate including cutting, fixing in position and applying a priming coat of approved steel primer all complete. (Structure steel and primer free issue from BHEL Store.)	2000.00	kg	4.25	8500.00
32	Structural steel work welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.(structure steel & priming paint will be issued free of cost from BHEL Store.)	2000.00	kg	6.95	13900.00

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S.No	Description of items	Qty.	Unit	Rate	Amount
33	Welded steel wire fabric fencing with posts of specified material and of standard design placed and embedded in cement concrete blocks of 45 x 45 x 60 cm of mix 1 : 5 : 10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70 x 45 x 50 cm of the same mix, provided with welded steel wire fabric fixed between the posts fitted and fixed with G.I. staples on wooden plugs or tied to 6 mm bar nibs with G.I. binding wire (cost of posts, welded steel wire fabric, painting, earth work in excavation and concrete to be paid for separately).	1000.00	metre	11.50	11500.00
34	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 35 cement concrete to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap. (Length of pile for payment shall be measured upto the bottom of pile cap): 300 mm dia piles.	300.00	metre	1448.94	434682.00
35	Extra over item No. 34 for boring, providing and installing cast in situ double under reamed piles, instead of single under ream of specified diameter and length. (Only the quantity of extra bulbs are to be paid).	185.00	per bulb	956.55	176961.75
36	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	900.00	kg	64.40	57960.00
Note:- The grills will be made as per instructions of the Engineer-in-charge.					
Total Rs.:					1239838.16

%age rate to be quoted**In figures :****In words :**

Signature of Contractor & Seal

Sr. Engineer (C)FCX/PLG