

Proposed Work of Boundary wall including Piling works for Assam Cricket Association at Barsapara Parking cum Commercial Complex

Estimate is based on the 2021 CPWD Schedule of Rates for Civil Items

ANALYSIS FOR 30.0 M LENGTH BOUNDARY WALL						
Sl. No	DSR NO.	Item of Work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
		PILING WORKS				
1	20.1	Providing, driving with hydraulic piling rigs with power units and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile				
	20.1.1	400 mm dia piles	Rm	90.00		0.00
2		EARTH WORK `IN EXCAVATION				
	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means 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.	Cum	32.96		0.00
		CONCRETE WORK(PCC)				
3	4.1.5	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)	Cum	0.61		0.00
4	4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(Zone III) : 4 graded stone aggregate 20mm nominal size).	Sqm	3.46		0.00
5		CONCRETE WORK(RCC)				
	5.1.2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
		1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	3.74		0.00

Sl. No	DSR NO.	Item of Work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
6	5.2.2	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. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
		1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	Cum	1.11		0.00
7	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	1.57		0.00
		Centering and shuttering including strutting, propping etc. and removal of form for :				
8	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	12.60		0.00
9	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	25.95		0.00
10	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts.	Sqm	24.84		0.00

Sl. No	DSR NO.	Item of Work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
11	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.				
		Thermo-Mechanically Treated bars of grade Fe-500 D or more.	Kg	1354.69		0.00
		BRICK WORKS				
12	11.2	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with sand, with common burnt clay non modular bricks.	Sqm	16.04		0.00
13	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
		Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	3.82		0.00
14	6.13.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
		Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	54.98		0.00
		FINISHING				
15	13.1.1	12 mm cement plaster of mix :				
		1:4 (1 cement: 4 fine sand)	Sqm	51.69		0.00
16	13.5.2	15 mm cement plaster on rough side of single or half brick wall of mix :				
		1:6 (1 cement: 6 coarse sand)	Sqm	116.34		0.00
		PAINTING WORKS				
17	13.43	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
	13.43.1	Water thinnable cement primer.	Sqm	168.03		0.00
18	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand or manufacture	Sqm	2.70		0.00
		STRUCTURAL STEEL				
19	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	51.10		Rs.0.00

SI. No	DSR NO.	Item of Work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
20	NS	Providing and fixing concertina coil fencing wthth punched tape concertina coil 600 mm dia, 10m openable length (total length 90 m), having 50 nos. rounds per 6 metre length, upto 3 m height of wall with existing angle Iron "Y" shaped placed 2.4 m or 3.00m apart and with 5 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, Including necessary bolts or G.I. bazbed wire tied to angle Iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.BT) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	Rm	30.00		Rs.0.00
Total Cost of 30.0 m Boundary wall						-
Total Cost of 1.0 m Boundary wall						-
Total length of Boundary wall considered (in metres)						512.00
Total Cost of Boundary wall						-

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