

BOQ For Re -construction of boundary wall with painting and concertina coil fencing at 33/11 KV Bhuwalpur P.S.S, Bhagalpur

Sl no	Description of work	Qty	Unit	Rate
1	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mtr, Lead including all lifts, all complete as per approved design and direction of E/I Details of cost for 4 piles of 4 m= 16 mtrs depth)			
A	250mm dia	228.00	mtr	178.30
B	Earth work in excavation over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed.	3.38	cum	314.90
2	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	6.3	cum	1411.20
3	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	2.10	cum	287.30
4	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	225.25	cum	277.62
5	Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100 mm with tolerance of $\pm 2\%$) zinc coated, Mesh wire diameter 3.0 mm, mechanically edged/ selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge.	80.73	cum	3007.70
6	Providing 250mm wide brick drain in cement mortar (1:6) with av. 150mm. Clear depth and 250mm apron including cost of E/W. involved with 75mm cement concrete (1:4:8) over one brick designation 100-A flat soling in proper grade and slope at the base. the drain duly plastered in CM. (1:3) with punning over exposed surface all complete as per building specification and direction of E/I	115.00	rm	1087.90
7	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	98.00	sqm	283.30
8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
	1:2:4 (1 Cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	7.2	cum	3998.10
9	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			
	1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)	24.33	cum	4688.30
10	Reinforced cement concrete work in wall (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, finish and reinforcement.			
	1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20mm nominal size)	8.55	cum	5670.00
11	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15, 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).	7.88	cum	5335.90
12	Brick work with bricks of class designation 100A in foundations and plinth			
	Brick work in superstructure above plinth level upto floor V in Cement mortar 1:6 (1 cement: 6 coarse sand)	48.80	cum	5662.10
13	Centring and shuttering including strutting, propping etc. and removal of form for.			
a	Lintels, beams, plinth bams, griders, bressumers and contilevers.	169.07	sqm	404.70
b	Columns, Pillars, Piers, Abutments, Posts and Struts	200.10	sqm	494.40

14	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
a	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	1305.48	kg	94.50
c	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	2299.76	kg	90.80
d	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	1180.85	kg	92.60
15	12 mm cement plaster of mix:			
	1:6(1 cement :6 coarse sand)	528.50	sqm	141.50
16	Finishing walls with Acrylic Smooth exterior paint of required shade :			
a	New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	528.50	sqm	137.00
17	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre 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 3.00 m apart and with 9 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. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / 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)	70.00	m	272.60
18	Drilling 6mm Dia. In M.S. angle iron for fixing of staples etc. as per building specification and direction of E/L.	144.00	each	9.00
19	Labour for cutting of M.S. angle iron post to required length, one end splitted as fish tailed in a length of 150mm complete as per building specification and direction of E/L.	36.00	each	28.20
20	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: New steel work (two or more coats)	8.64	sqm	83.50
21	Stone Aggregate (Single size) 20 mm nominal size	24.06	cum	740.82
22	Providing unskilled Lbour for spreading S.C	30.00	each	532.57
23	Carriage of material			
	Coarse sand (Lead 50 km)	50.19	cum	1234.25
	Stone aggregate(lead 110 km)	71.52	cum	2450.52
	Bricks (8 km lead)	30577.00	%o	1140.59
	Local sand (lead 3km)	228.08	cum	310.47
	Stone boulder	80.73	cum	2548.07
24	Difference cost of materials			
	Brick	30577.00	%o	343.43
	Cement	783.00	bag	11.82
25	seignorage fee			
	100 A Brick	30577.00	%o	9.14
	Local sand	228.08	cum	14.89
	Coarse sand	50.19	cum	18.46
	Stone aggregate	71.52	cum	62.51
	Stone Boulder	80.73	cum	85.56