

Bill of quantity for the work Repair of approach road to weigh bridge at Mine B, shed & check post barrier at Balkudra OC under Bhurkunda Project, Barka Sayal Area.

	Description of work	Quantity	Unit	Rate	Amount
1	Structural steel work riveted, bolted or 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.	913.940	kg	92.55	84585.147
2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work.	206.600	sqm	99.9	20639.34
3	Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete 1200 mm dia RCC pipes. (Laying by manual/ machanical means)	33.000	metre	8426.75	278082.75
4	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, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil	266.750	sqm	188.45	50269.0375
5	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 local sand, with common burnt clay non modular bricks.	266.750	sqm	593.2	158236.1
6	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	41.380	cum	6490.9	268593.442

7	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:1:1.5:3 (1 cement : VA coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	40.010	cum	8181.9	327357.819
8	Centering and shuttering including strutting, propping etc. and removal of form for Walls any thickness) including attached pilasters, butteresses, plinth and string courses etc.	15.000	sqm	538.75	8081.25
9	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.	54.900	Cum	188.45	10345.905
10	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	1.740	Cum	1844	3208.56
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	1.970	Cum	5167.75	10180.4675
12	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in superstructure above plinth level up to floor V level in all shapes and sizes in : cement mortar 1:6 (1 cement : 6 coarse sand) :	16.560	Cum	5322.15	88134.804
13	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand)	99.000	Sqm	284.75	28190.25
14	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	10.980	Cum	114.4	1256.112
15	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 :	4.100	Cum	7365.5	30198.55

16	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars of grade Fe-500D or more.	207.850	Kg	75.85	15765.4225
17	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete.	23.900	Sqm	262.55	6274.945

Total=	1389399.902
Add Gst 18%=	250091.9823
Total=	1639491.884