

Bill Of Quantities & Price Schedule for Construction of Gate & Cabin Building and associated Works at B H E L, Rudrapur							
S. N.	Code No	Particular of Items	Quantity	Unit	Rate (Rs.)		Amount(Rs.)
					In Figure	In Words	
		<u>1 .EARTH WORK</u>					
1	2.8	Earth work in excavation by mechanical means [Hydraulic exceeding] manual in foundation trenches of drains [not exceeding 1.5 M in width or 10 Sqm on plan] including dressing of sides and ramming of bottoms, lift up to 1.5 M, including getting out the excavated soil and disposal of surplus excavated soil as directed, with in a lead of 50 M .	26.67	Cum			
2	2.25	Filling available excavated earth [excluding rock] in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating earch deposited layes by ramming and watering, lead up to 50 M to 1.5 M .	26.67	Cum			
3	2.27	Sand filling in plinth.	5.19	Cum			
		<u>2. PLAIN CEMENT CONCRETE</u>					
1	4.1.9	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 fine sand : 8 graded stone aggregate 40mm nominal size] .	4.23	Cum			
		<u>3. Damp Proof Coarse</u>					
1	4.1	Providing and laying damp - proof course 40mm thick with cement concrete 1:2:4 [1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size].	2.74	Sqm			
		<u>4. REINFORCED CEMENT CONCRETE</u>					
1	5.1.3	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to <u>plinth level (Footing)</u> 1:2:4 [1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size]	2.30	Cum			
2	5.2.3	Reonforced cement concrete work in walls [any thickness], including attached pilasters, buttresses, plinth and string courses, fillets, <u>columns</u> , pillars, piers, abutments, posts and struts etc. up to floor five excluding cost of centering, shuttering, finishing and reinforcement 1:2:4 [1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size] .	2.25	Cum			

3	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 landings, balconies, shelves, chajjas, bands , plain window sills, staicases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 [1 cement : 2 coarse sand :4 graded stone aggregate 20mm nominal size] .	2.48	Cum			
		<u>5. FORM WORK</u>					
1	5.9.1	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, floorings, bases of columns, etc. for mass concrete .	3.20	Sqm			
3	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts .	18.00	Sqm			
3	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers .	3.73	Sqm			
4	5.9.3	Suspended floors, roofs, landings, balconies and access platform .	19.71	Sqm			
		<u>6. REINFORCEMENT WORK</u>					
1	5.22.1	Mild steel and medium Tensile steel bars.	8.28	Qtl			
		<u>7. BRICK WORK</u>					
1	6.1.2	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in Cement mortar 1:6 [1 cement : 6 coarse sand] .	4.71	Cum			
2	6.4.2	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and size in Cement mortar 1:6 [1 cement :6 coarse sand] .	9.22	Cum			
		<u>8. FLOORING WORK</u>					
1	11.3.1	Cement concrete flooring 1:2:4 [1 cement : 2 coarse sand :4 graded stone aggregate] finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete . 40mm thick with 20mm nominal size stone aggregate .	21.61	Sqm			
2	11.2	Dry brick on edge flooring in					

		required pattern with brick of class desig. 75 on a bed of 12mm mud mortar including filling joints with jamuna sand complete.	12.38	Sqm			
		9. PLASTERING WORK					
1	13.4.2	Cement plaster 12mm thick on walls.	56.05	Sqm			
2	13.5.2	15mm cement plaster of mix : 1:6 [1 cement : 6 Coarse sand] .	36.78	Sqm			
3	13.16.1	Plaster on RCC work 6mm thick.	31.71	Sqm			
		10. STEEL WORK					
1	10.15	P/F of M.S tubular frames for windows.	43.20	Kg			
2	10.1	M.S grill in windows.	38.88	Kg			
3	21.3.1	Providing & Fixing glazing in windows 4mm thick.	4.32	Sqm			
4	10.5.2	1mm thick MS sheet door.	2.10	Sqm			
5	10.25.2	Steel work in welded built up section framed work including cutting, hoisting fixing in position and applying priming coat of approved steel primer using structural steel etc. As required.	472.5	Kg			
		11. PAINTING WORK					
1	13.45.1	Finishing walls with textured exterior paint of required shade : New work [Two or more coats applied @ 3.28 ltr / 10 Sqm] over and including base coat of water proofing cement paint applied @ 2.20 Kg / 10 Sqm .	78.76	Sqm			
2	13.40	Dry distemper	45.78	Sqm			
3	13.43.1	Applying one coat of cement primer of approved brand and manufacture on wall surface : Two or more coats on New work .	124.54	Sqm			
4	13.62.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture .	31.98	Sqm			
5	13.50.3	Applying Priming Coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron / steel works .	31.98	Sqm			

		<u>12. ROOF TREATMENT</u>					
1	12.15	Painting top of roofs with bitumen of approved quality at 17 Kg per 10 Sqm impregnated with a coat of coarse sand at 60 cudm per 10 Sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete .	29.81	Sqm			
2	12.17.1	10cm thick [average] mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25mm thick mud mortar with bhusha at 35Kg per cum of earth and gobri leaping with mix 1:1 [1 clay : 1 cow - dung] and covered with machine moulded tile bricks of class designation 125 conforming to IS : 2690 [Part 1] - 1992 grouted with cement mortar 1:3 [1 cement : 3 fine sand] mixed with 2% of integral water proofing compound by weight of cement and finished neat . With machine moulded F.P.S. brick tiles .	29.81	Sqm			
		<u>13. Anti termite treatment</u>					
1	2.35.3.1	Treatment of soil under floor using chemical emulsion @ one litre per hole , 300mm apart including drilling 12mm dia holes and plugging with cement mortar 1:2 with Chlorpyriphos/ Lindane E.C 20% with 1% concentration.	21.61	Sqm			
2	2.34.1	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%.	2.40	Litre			
		14. TOTAL					
		15. Service Tax including Ed.Cess (if any)		%			
		16. Any Other Taxes/Duties(If any) Pl. Specify		%			

Signature & seal of the Tenderer