

<b>ABSTRACT OF COST FOR BOUNDARY WALL WORK</b>						
<b>AT DAV PUBLIC SCHOOL, BAKHARI, BEGUSARAI</b>						
<b>BASED ON S.O.R. B.C.D.GOV. OF BIHAR EFFECTIVE FROM 01/07/2020/MR</b>						
<b>(length-36 feet, columns-3 nos)</b>						
SI No	Item	Description	Unit	Quantity	Rate	Amount
1	2.8	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				
	2.8.1	All kinds of soil	Cum	13.38		
2	2.26	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	Cum	-5.11		
3	2.27	Extra for every additional lift of 1.5 m or part thereof in :				
	2.27.1	All kinds of soil.	Cum	4.30		
4	2.28	Supplying and Filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete.	cum	0.45		
5	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering , taxes , royalty as per building specification of E/I ,	sqm	7.22		
6	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level:				
	4.1.3	1:2:4(1 Cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size)	cum	0.73		
7	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for:				
	4.3.1	Foundations, footings, bases for columns	Sqm	3.68		
8	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and including retard setting of concrete, improve workability without impairing strength and admixtures in recommended proportions as per IS: 9103 to accelerate, reinforcement, durability as per direction of Engineer-in-charge. Note:- Cement content considered in this item is @ 330 kg/cum. Excess or less cement used as per design mix is payable or recoverable separately.				
	5.33.1	All work up to plinth level	cum	3.64		
	5.33.2	All work from plinth level upto floor V level	cum	1.04		
9	5.9	Centering and shuttering including strutting,propping etc. and removal of form for.				
	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	3.70		

	5.9.5	Lintels, beams, plinth bams, griders, bressumers and contilevers.	sqm	15.05		
	5.9.6	Columns,Pillars, Piers, Abutments, Posts and Struts	Sqm	8.93		
10	5.29	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia	Kg	172.45		
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia	Kg	73.91		
	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia	Kg	172.45		
	5.22.7D	Thermo-Mechanically Treated bars TMTC-500-16mm dia	Kg	73.91		
11	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :				
	6.1.14A	Cement mortar 1:6(1 cement:6 coarse sand)	cum	6.10		
12	6.3A	Extra for Brick work in superstructure above plinth level upto floor V Level	cum	4.53		
13	13.13	20 mm cement plaster of mix ;				
	13.13.2	1: 4(1 cement: 4 coarse sand)	Sqm	54.33		
14	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade				
	13.46.1	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)	Sqm	54.33		
15	10.32	Steel work welded in built up sections/framed worK including cutting hoisting, rixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	10.32.2	In gratings, frames, guard bar, ladders, railings, brackts. gates & similar works.	Kg	200.88		
16	13.94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
	13.94.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	Sqm	11.20		
		Total cost for 36 Running feet				
		Cost for 1 Running feet				
		<b>Total cost for 1715 Running feet</b>				

**ABSTRACT OF COST FOR GATE WORK** *with Guard Room*

AT DAV PUBLIC SCHOOL, BAKHRI, BEGUSARAI

BASED ON S.O.R. B.C.D.GOV.T. OF BIHAR EFFECTIVE FROM 01/07/2020/MR

Sl No	Item	Description	Unit	Quantity	Rate	Amount
1	2.8	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				
	2.8.1	All kinds of soil	Cum	17.73		
2	2.26	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	Cum	12.17		
3	2.27	Extra for every additional lift of 1.5 m or part thereof in :				
	2.27.1	All kinds of soil.	Cum	5.96		
4	2.28	Supplying and Filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete.	cum	1.20		
5	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering , taxes , royalty as per building specification of E/I ,	sqm	10.64		
6	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level:				
	4.1.3	1:2:4(1 Cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size)	cum	1.07		
7	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for:				
	4.3.1	Foundations, footings, bases for columns	Sqm	2.82		
8	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cementcontent as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and including retard setting of concrete, improve workability without impairing strength and admixtures in recommended proportions as per IS: 9103 to accelerate, reinforcement, durability as per direction of Engineer-in-charge. Note:- Cement content considered in this item is @ 330 kg/cum. Excess or less cement used as per design mix is payable or recoverable separately.				
	5.33.1	All work up to plinth level	cum	4.61		
	5.33.2	All work from plinth level upto floor V level	cum	6.95		
9	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.				

	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	Sqm	3.70		
	5.9.3	Suspended floors, roots, landings, balconies and access platform.	Sqm	8.55		
	5.9.5	Lintels, beams, plinth bams, grids, bressumers and contilevers.	Sqm	7.13		
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	28.62		
10	5.29	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia	Kg	381.43		
	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia	Kg	326.94		
	5.22.7D	Thermo-Mechanically Treated bars TMTC-500-16mm dia	Kg	381.43		
11	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :				
	6.1.14A	Cement mortar 1:6(1 cement:6 coarse sand)	cum	4.28		
12	6.3A	Extra for Brick work in superstructure above plinth level upto floor V Level	cum	3.34		
13	13.13	20 mm cement plaster of mix ;				
	13.13.2	1: 4(1 cement: 4 coarse sand)	Sqm	45.71		
14	13.80A.2	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	45.71		
15	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade				
	13.46.1	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)	Sqm	45.71		
16	10.32	Steel work welded in built up sections/framed work including cutting hoisting, rixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	10.32.2	In gratings, frames, guard bar, ladders, railings, brackts. gates & similar works.	Kg	630.00		
17	13.94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
	13.94.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	Sqm	40.13		
18	10.36	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners ,stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	41.400		

		Total cost for 1 gate				
		Total cost for 2 gates				
		<b>Subtotal-A</b>				
		<b>SUBHEAD-B (GUARD ROOM)</b>				
19		Construction of Guard Room with all complete as per direction of E/I.	S.Ft	450.00		
		<b>Subtotal-B</b>				
		<b>Grand Total(A+B)</b>				

# K A P O O R                      A N D                      A S S O C I A T E S

Ravi Kapoor B.Arch, Chd, M.Arch, IIT-KGP, M.Arch & U.D Washington Univ. USA  
 Kishore Kapoor B.Arch(Hons) chd. M.Arch, Univ. of Illinois, USA  
 Vineeta Kapoor B.Arch (Hons) Chandigarh  
 Anupama Kapoor B.Arch, Chandigarh

Architects, Engineers, Computer-Aided Design  
 100B, Patliputra Colony, Near Notre Dame Academy  
 Opposite P&M Mall, Patna-800 013  
 Tel: 0612-2267175, Fax: 0612-2275624  
 Email: [contact@kapoors.biz](mailto:contact@kapoors.biz)

S.N.	Ref.	Description	Unit	Quantity	Rate	Amount
<b>B.O.Q. FOR TUBEWELL(2-NOS)</b>						
<b>AT DAV PUBLIC SCHOOL, BAKHAI, BEGUSARAI</b>						
<b>BASED ON S.O.R. B.C.D.GOV. OF BIHAR EFFECTIVE FROM 01/07/2020/MR</b>						
<b>150 DIA X 100 DIA X 120 METRE DEPTH TUBEWELL</b>						
1	SOR 24.1	Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level.				
	24.1.1	All types of soil				
	24.1.1.1	300 mm dia	Mtrs.	180.00		
2	SOR 24.2	Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level.				
	24.2.1	All types of soil				
	24.2.1.1	300 mm dia	Mtrs.	60.00		
3	SOR 24.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS:12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge.				
	24.3.1	100 mm nominal size dia	Mtrs.	90		
	24.3.2	150 mm nominal size dia	Mtrs.	60		
4	SOR 24.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
	24.4.1	100 mm nominal size dia	Metre	60		

S.N.	Ref.	Description	Unit	Quantity	Rate	Amount
5	SOR 24.8	Gravels packing in tubewell construction in accordance with IS 4097 including providing gravel fine/medium/coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in charge.	cum	14.16		
6	SOR 24.12	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by V notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	Hrs	96		
7	SOR 24.13	Providing & fixing suitable size threaded mild steel cap or spot welded plate to the top of borewell housing/ casing pipe, removable as per requirement, all complete for borewell of,				
	24.13.2	150 mm dia	each	2		
8	SOR 24.14	Providing & fixing MS clamp of required dia to the top of housing/casing pipe of, removable as per tubewell as per IS;2800(part-I), including necessary bolts & nuts of required size complete				
	24.14.2	150 mm dia	each	2		
9	SOR 24.15	Providing & fixing Bail plug/ bottom plug of required dia to the bottom of pipe assembly as per IS;2800(part-I),				
	24.15.1	100 mm dia	each	2		
	PUMP					
	MR	Establishment of 2.0 HP of submersible pump set (detail attached)	each	2		
		<b>Total</b>				

