

D.A.V. PUBLIC SCHOOL, NAYATOLA, KESHOPUR, JAMALPUR, MUNGER, BIHAR.

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REF:-DAV-JM/SB/GT/BOQ/01/20-21

Date:- 15 OCT. 2020

BILL OF QUANTITIES

CONSTRUCTION OF GATE FOR D.A.V. PUBLIC SCHOOL, JAMALPUR, MUNGER, BIHAR.						
Sl.No.	S.O.R.	DESCRIPTION	Qty.	Unit.	Rate	Amount
		(A) FOUNDATION TO SUPER STRUCTURE WITH GRANITE FINISH & M.S. GATES				
		Cov. area of Gate = 67.93 SFT+5.81 SFT=73.74 SFT(6.85 SM); Height of gate = 23'-0"				
		SECTION-I (EARTH WORK / SAND FILLING)				
1	20.3A.1.	Making 25cm (10") dia bore upto 4 M. 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 upto 50 M. lead including all lifts all complete as per approved design and direction of E/I.	29.27	RM		
2	20.3A.2	Making 63 cm (25") dia under ream at required 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 M lead including all lifts, all complete as per approved design and direction of E/I.	8	Each		
3	2.8.	Earth work in excavation in foundation trenches or drains (not exceeding 1.5M 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.	4.72	Cum		
4	2.28	Supplying and filling in plinth with local sand and under floors including watering, ramming, consolidating and dressing complete.	0.46	Cum		
		SECTION-II (R.C.C./ P.C.C. WORK)				
5	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
	4.1.5	1:3:6 (1 cement, 3 coarse sand, 6 graded stone 20mm size.)	0.46	Cum		
6	5.1.2	Providing and laying in position specified grade of reinforced cement concrete 1:1.5:3 (1 cement, 1.5 coarse sand, 3 graded stone aggregate 20mm				

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		nominal size) excluding the cost of centring, shuttering, finishing, reinforcement - All work upto plinth level.	4.46	Cum		
7	5.2.2	Reinforced cement concrete work in 1:1.5:3 (1 cement;1.5 coarse sand;3 graded stone aggregate 20 mm nominal size) in wall (any thickness) including attach pillasters, buttress, plinth and string courses, fillets, columns, pillars, abutments, posts, and struts etc. upto floor five level excluding cost of centering,shuttering,finishing and reinforcement	3.16	Cum		
8	5.3	Reinforced cement concrete work in Beams , suspended floors, roofs, having slope upto 15 landings, balconies, shelves, chajjas, lintels, bands, plain window sills, stair cases and spiaral stair cases upto floor five level excluding the cost of centering shuttering, finishing and reinforcement with 1:1.5:3 (1 cement;1.5coarse sand; 3 graded stone aggregate 20 mm nominal size)	4.02	Cum		
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.	5.21	Sqm.		
	5.9.5	Lintels, beams,plinth beams, girders, bressumers and cantilevers.	43.00	Sqm.		
	5.9.6	Columns, pilars, piers, abutmennts ,posts and struts.	25.37	Sqm.		
10	5.22	Reinforcement for R.C.C. work including straight-ening ,cutting ,bending,placing in position and binding all complete.				
	5.22.1	Miled steel 6mm dia	35	Kg		
	5.22.7A	Thermo-Mechanically treated bars TMTC-500-8mm dia	198	Kg		
	5.22.7B	Thermo-Mechanically treated bars TMTC-500-10 mm dia	116	Kg		
	5.22.7C	Thermo-Mechanically treated bars TMTC-500-12mm dia	155	Kg		
	5.22.7D	Thermo-Mechanically treated bars TMTC-500-16mm dia	106	Kg		
	5.22.7E	Thermo-Mechanically treated bars TMTC-500-20mm dia	296	Kg		
		SECTION-III (MASONRY WORK)				
11	6.1.14A + 6.3A	Brick work with bricks of class designation 100A in super structure above plinth level upto floor V level in cement mortor 1:6(1 cement; 6 coarse sand)	1.27	Cum		
12	6.19A+ 6.18.4A	Half brick masonry with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortor 1:4 (1 cement; 4 coarse sand).	0.81	Sqm		
		SECTION-IV (FLOORING WORK)				
13	11.72	Providing designation 100A one brick flat soling				

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		joints filled with local sand including cost of watering, taxes, royalty, all complete as per building specification and direction of E/I.	7.52	Sqm.		
		SECTION- V (MARBLE WORK)				
14	8.9	Stone tile (Polished) work for wall lining over 12 mm thick bed of cement mortar 1:3(1 cement:3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.				
	8.9.1	8 mm thick				
	8.9.1.1	Rajnagar plain white marble/ Udaipur green marble/ Zebra black marble.	10.67	Sqm		
	8.9.1.2	Granite of any colour and shade.	17.97	Sqm		
		SECTION- VI (PLASTER WORK)				
15	13.24.2	6 mm cement plaster of mix 1:4 (1 cement; 4coarse sand) to ceiling.	4.46	Sqm.		
16	13.11	12 mm cement plaster of mix				
	13.11.4	1:6 (1 cement; 6 coarse sand).	2.51	Sqm		
17	13.12	15 mm cement plaster on rough side of single or half brick wall of mix				
	13.12.4	1:6 (1 cement; 6 coarse sand).	3.90	Sqm		
		SECTION-VII (FINISHING WORK)				
18	13.46A	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
	13.46A.1	New work (Two or more coat applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	10.87	Sqm.		
19	13.81	Applying priming coat:				
	13.81.3	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanised iron/steel works.	52.03	Sqm		
20	13.82	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade.				
	13.82.1	New steel work (Two or more coats.)	52.03	Sqm		
		SECTION-VIII (CARPENTARY,STEEL,HARDWARE)				
21	9.48	Providing and fixing M.S.grill gate of required pattern in frames of windows etc.with M.S. flats, square or round bars etc. all complete.				
	9.48.2	Fixed to openings/wooden frames with rawl plugs screws etc.	896	Kg		
		SECTION -IX (MISCELLANEOUS ITEMS)				
22	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp of internal dia 140 mm ,73mm height , top lid of 1.5 mm thick with its top surface hacked for proper bonding,				

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		top lid shall be screwed into the cast iron/M.S. sheet box by means of 3.3mm dia round headed screws, one lock at the corners, clamp shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	4	Each		
23	MR	Providing and fixing steel letters as per drawing in elevation marked.	16	Each		
		SECTION -X (DISMANTLING WORK)				
24	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead.	0.88	Cum		
25	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:				
	15.7.4	In cement mortar	6.36	Cum		
		TOTAL				
		Add 2% extra for external and internal electrical and external and internal PHE works.				
		GRAND TOTAL				
		ROUND UP				
		Cost of construction per S.Ft.				