

**BILL OF QUANTITY (ENTRANCE GATE )**

**NAME OF WORK -PROPOSED ESTIMATE FOR ENTRANCE GATE OF D.A.V. PUBLIC SCHOOL BUILDING , AURI ON GATA NO.-944 DA & 944 GHA AT POST-ANPARA, PARGANA-SINGRAULI, TEHSIL-DUDDHI, DISTRICT:-SONEBHADRA.**

S.N.	DESCRIPTION OF ITEM	SCHEDULE REF. NO.	QUANTITY	UNIT	RATES	Amount
1	Earth work in excavation in foundation in ordinary soil including lift upto 1.5 m and lead upto 30m. and dressing of sides and ramming of bottom and disposal of surplus excavated earth as directed by the Engineer i/c with in a lead of 30 m.	PWD-251	68.28	CUM		
2	Filling with avilable earth in trenches, plinth, sides of foundation, etc.in layers not exceeding 20 cms in depth consolidating each deposited layer by ramming and watering including lead upto 50m and lift upto 1.5m.	PWD-255	47.80	CUM		
2	Providing and laying in cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded brick aggregate 20 mm nominal size) and curing complete, including cost of form-work, in foundation and floors.	PWD 281	14.27	CUM		
4	Providing and injecting chemical emulsion for pre-constructural antitermite treatment and creating a chemical barrier under and around the column pits wall trenches basement excavation top surface if plinth filling junction surrounding of pipe sand conduits etc, complete (plinth area of the building at ground floor only shall be measured as per I.S.6313 (Part-II-1981) Alderine emulsifiable concentrate or any other approved material such as Heptachlor or chordance will be used.The rate of application of chemical emulsion shall be as follows :					
	(1)Treatment for masonary & foundation 5 liters per/100 sqm.					
	(2) Back fill in immediate contact with foundation 7.5 liters/100sqm					
	(3) Treatment of top surface of plinth filling 5 liters/100 sqm					
	(4)Treatment junction of wall and the floor 7.5 liters /100 sqm					
	(5)Treatment of soil along external perimeter of building 7.5 liters/100sqm.					
	(6) Treatment of soil under apron along external perimter 5 liters/100 sqm.	PWD par2018	25.65	SQM		
5	R.C.C. work with cement approved coarse sand and 2 cm (3/4") gauge approved stone ballast in the proportion 1:1.5:3 (1 cement :1.5 coarse sand : 3 aggregates) , in raft foundation and footings excluding supply of reinforcement and its bending the same with 24 WG binding wire and necessary centring and shuttering etc and also including supply of all materials labour and tools and plants etc. required for proper completion of the works.	PWD 287+(289-288)	17.47	CUM		
6	R.C.C. work with cement approved coarse sand and 2 cm (3/4") gauge approved stone ballast in the proportion 1:1.5:3 (1 cement :1.5 coarse sand : 3 aggregates) , in lintels of doors and windows excluding supply of reinforcement and its bending the same with 24 WG binding wire and necessary centring and shuttering etc and also including supply of all materials labour and tools and plants etc. required for proper completion of the works.	PWD 283+(289-288)	0.26	CUM		
7	As in item 8.0 above but in lighter Beams having spans upto above six meter	PWD 285	8.92	CUM		
8	As in item 8.0 above but in SLAB	PWD 284	12.47	CUM		
9	R.C.C. work with cement approved coarse sand and 2 cm (3/4") gauge approved stone ballast in the proportion 1:1.5:3 (1 cement :1. coarse sand : 2 aggregates) , columns excluding supply of rienforcement and its bending the same with 24 WG binding wire and necessary centring and shuttering etc and also including supply of all materials labour and tools and plants etc. required for proper completion of the works.	PWD 289				
	GROUND FLOOR TO TOP		4.97	CUM		
10	Mild steel or iron in plain work such as reinforced concrete or reinforced, brick work (when not included in an over all rates ) wrought to required shape as necessary including bending for proper completion of the work and including supply of steel its wastage bend hooks and authorised over lapping shall be measured upto floor two level.	PWD 504	39.09	QTL		
11	First Class brick work in 1:6 cement and fine sand of mortar in foudation and plinth including and plinth including supply of all materials ,labour and T&P etc. required for proper complete of the work.	PWD 303+(307-306)	4.55	CUM		

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S.N.	DESCRIPTION OF ITEM	SCHEDULE REF. NO.	QUANTITY	UNIT	RATES	Amount
12	Same as in item no. 15 above but in super-structure including necessary cutting and moulding of brick work as required and also including honey combed brick work in thickness of wall one brick thick. 1:6 1 cement and 6 coarse sand mortar					
	GROUND FLOOR TO TOP	PWD 303+309+310	43.47	CUM		
13	External Plastering 12 mm thick plaster with cement mortar in proportion of 1:6cement & fine sand of along for external walls	PWD 586	101.70	SQM		
14	Internal Plastering 12mm thick plaster with cement mortar in proportion of 1:4 cement & coarse sand of along for internal walls	PWD-584	101.70	SQM		
15	Kota stone slab flooring over 20 mm (average) thick base of cement mortar 1:4 (1 cement:4 coarse sand)laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with:					
	(a) 25 mm thick	DSR 11.26	18.000	SQM		
16	2.5 cm thick 1:2:4 plain cement concrete floor with cement approved coarse sand 2cm graded approved stone laid in panels finished with 3 mm in 5:1 as specified over & including 8cm thick base concrete consisting of cement local sand and brick ballast 4cm gauge in the proportion of 1:4:8 and removing any over lapping mortar at the joints of panels if any and giving them a uniform finish including supply of all materials labour and T&P etc. required for proper completion of the work.					
	As item no 20 above but floors shall be 4cm thick instead of 2.5 cm thick and without base concrete.	PWD 605	18.00	SQM		
17	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water tinnable priming coat with cement primer	PWD 649+650	101.70	SQM		
18	Finishing walls with Acrylic smmoth exterior paint of required shade : New work (Two or more coats applied @ 1.67 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm	PWD CH.15 SN22	101.70	SQM		
19	Providing & applying Birla putty of Av. 1. mm thickness over plastered surface to prepare the surface even & smooth complete	PWD CH.15 SN30	203.40	SQM		
20	Supply & fixing of M.S Gate of 6 meter wide , as per the design , & drawing .	M.R	2.00	Nos.		
21	Exterior landscape work & Lighting provision on gate as per direction & drawing of engineer- in charge.	L.S	1.00	Nos.		
22	Supply & fixing of z section Door frame with m.s door as per design & drawing.	L.S	2.00	Nos.		
23	Supply & fixing of UPVC WINDOW	L.S	2.00	Nos.		
24	Elevation façade treatment including light arrangement , Painting, fixed Glazing along with M.s Hollow Pipe as per direction of engineer-in-charge.	L.S	1.00	Nos.		
<b>TOTAL ESTIMATED COST</b>						
<b>Contengency 5% of estimated Cost</b>						
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