

BILL OF QUANTITY (ABSTRACT)**NAME OF WORK -PROPOSED ESTIMATE FOR EXTENSION OF D.A.V SCHOOL AT SECTOR -18 INDIRA NAGAR, LUCKNOW**

S.N.	DESCRIPTION OF ITEM	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.	98.28	CUM		
2	Filling with available 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.	87.47	CUM		
3	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.	21.83	CUM		
4	Providing and injecting chemical emulsion for pre-constructional 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 masonry & 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 perimeter 5 liters/100 sqm.	107.33	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.	25.47	CUM		
6	Same as above item 7.0 but for Plinth Beam	2.92	CUM		
7	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.	0.79	CUM		
8	As in item 8.0 above but in lighter Beams having spans upto above six meter	13.68	CUM		
9	As in item 8.0 above but in SLAB	40.42	CUM		

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10	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 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.				
		8.10	CUM		
11	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.	78.59	QTL		
12	First Class brick work in 1:6 cement and coarse 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.	15.97	CUM		
13	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				
		52.91	CUM		
14	Same as in item no. 15 but in 1:4 cement and coarse sand mortar in super structure for wall thickness 4.5" thick .				
	Terrace Floor	76.81	SQM		
15	External Plastering 15 mm thick plaster with cement mortar in proportion of 1:6cement & coarse sand of along for external walls	263.53	SQM		
16	Internal Plastering 12mm thick plaster with cement mortar in proportion of 1:4 cement & coarse sand of along for internal walls	205.94	SQM		
17	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 specifiled 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.	233.68	SQM		
18	Mild steel or iron work of small sizes and sections such as holding down bolts, hold fast tierods, gratings etc. (when not included in an over all rates) wrought to required from including supply of steel and its wastage including cost of bolts, nuts if required for and welding, grinding and making holes as required completion of work.	57.60	KG		

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S.N.	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATES	Amount
19	Providing & fixing pressed steel door frames conforming to IS:4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.25 mm presse mild steel welded or rigidly fixed together by mechanical means, adustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specifie and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge.				
	(a) Profie B	52.50	RM		
20	Providing and laying in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) in holdfast fixing, in Pressed steel chaukhat and curing complete, including cost of form-work.	0.49	CUM		
21	Supply of Dash Fastener	54.00	Nos		
22	Supply of aluminium grill	160.38	KG		
23	Providing and fixing aluminium work for doors, windows, ventilators and partitions extruded built up standard Tubelar section/ appropriate Z section and other section of approved make conforming to IS 733 and IS 1285 , fixing with dash fastner of required dia ans size including necessary filling of the gap at junctions, i.e. at top, bottom and side with required EPDM rubber neoprene gasket aluminium section shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle aluminium snap beading for glazing , panelling, C.P. brass/ stainless steel screw all complete as per architectural drawing and the direction of engineer in charge				
	Powder coated aluminium (minimum thickness powder coating 50 micron) for fixed porttion i.e. door/ window frames	46.78	KG		
24	Providing and fixing aluminium work for doors, windows, ventilators and partitions extruded built up standard Tubelar section/ appropriate Z section and other section of approved make conforming to IS 733 and IS 1285 , fixing with dash fastner of required dia ans size including necessary filling of the gap at junctions, i.e. at top, bottom and side with required EPDM rubber neoprene gasket aluminium section shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle aluminium snap beading for glazing , panelling, C.P. brass/ stainless steel screw all complete as per architectural drawing and the direction of engineer in charge				
	Powder coated aluminium (minimum thickness powder coating 50 micron) for openable porttion i.e. door/ window frames	160.38	KG		
25	Providing and fixing stainless steel (Grade 304) railing made of hollow tubes channels, plates etc. including welding grinding, buffering, polishing making curvature wherever required and fitting the same with necessary stainless steel nut and bolt complete including fixing the railing with necessary accessaries complete in all respects				
	Steel Railing	90.00	KG		

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S.N.	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATES	Amount
26	Supply and fixing of flush doors commercial quality conforming to I.S. 2202 Part I (1483) including fixing of wooden cleats and stoppers and including fixing and adjustment of hinges, bolts,locks, handle, springs and other fittings but excluding their supply and including painting with two coats of Black Japan paint on all iron fitting if necessary. Fitting with necessary screws to be supplied departmentally.				
	(a) 32mm thick	2.10	SQM		
27	Fixing of Door, windows/ventilators chaukhats in position.				
	(a) Door chaukhats	7.00	NOS.		
	(b) Window chaukhats	9.00	NOS.		
29	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the drg with float glass panes of 4mm thickness				
	5.0 mm thick glass panes	26.73	SQM		
	Supply and fixing door and window S.S.fitting of approved make/quality (SQM)	30.51	SQM		
30	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	327.54	SQM		
31	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	263.53	SQM		
32	Providing & applying Birla putty of Av. 1. mm thickness over plastered surface to prepare the surface even & smooth	591.07	SQM		
TOTAL ESTIMATED COST					
TOTAL COST					