

# M/S HAPPY AND ASSOCIATES

ARCHITECTS , ENGINEERS , INTERIOR DESIGNERS

Add:- Near Hindustan Press, Cotton Mill, Gaya - 823001 (Bihar)

Mob. No. 7739269750, 700467722 / Email : happyandassociate@gmail.com, Website : www.happysgroup.com

## ABSTRACT OF COST FOR CONSTRUCTION OF FOUR CLASSROOMS AND TWO TOILET AT D.A.V PUBLIC SCHOOL, RAJALI

Ref no - DAV-HA-579

Date - 3.10.2024

		TOTAL BUILDING AREA	2545		SQFT
<b>WORK CALCULATION FOR ONE SECTION ONLY</b>					
		BUILDING AREA	1266		SQFT
		Description	quantity	rate	unit
1		<b>Earth work And sandFilling</b>			
		Earth work in excavation in foundation trenches All Kinds of soil			
		(3 X 50'4" X 2' X3')	907.0		Cft
		(4 X 24'8" X 2' X3')	593.0		Cft
		Supplying and Filling in plinth with local sand			
		3 X 50'4" X 1' X 3'	453.6		Cft
		4 X 24'8" X 1' X3'	296.4		Cft
		2 x 16'9" x 14'9" x 6"	247.0		Cft
		2 x 16'9" x 4'11" x 6"	82.0		Cft
		2 x 10'10" x 14'9" x 6"	159.3		Cft
		2 x 10'10" x 4'11" x 6"	53.0		Cft
2		<b>MASONARY WORK</b>			
		<b>brick soling in plinth</b>			
		3 X 50'4" X 1' X 2'	302.4		Cft
		4 X 24'8" X 1' X 2'	198.0		Cft
		<b>soling</b>			
		2 x 16'9" x 14'9" x 3"	124.0		Cft
		2 x 16'9" x 4'11" x 3"	41.0		Cft
		2 x 10'10" x 14'9" x 3"	79.5		Cft
		2 x 10'10" x 4'11" x 3"	26.5		Cft
		<b>brick in columns from plinth to shade</b>			
		back columns - 4 x 2' x 1' x 13'	104.0		Cft
		front columns - 4 x 2' x 1' x 12'	96.0		Cft
		<b>brick in walls</b>			
		walls- 2 x 16'3" x 10" x 10'	261.0		Cft
		10'10" x 10" x 10'	86.4		Cft
		2 x 18' x 10" x 11'	317.0		Cft
		3 x 16'8" x 10" x 11'	444.0		Cft
		10'10" x 10" x 11'	95.0		Cft
3		<b>openings for door and window</b>			
		classroom windows - 4 x 5' x 5'	100.0		sqft
		classroom door - 2 x 3'6" x 7'	49.0		sqft
		toilet windows - 4' x 5'	20.0		sqft
		toilet door - 3'6" x 7'	24.5		sqft

4		<b>CEMENT/CONCRETE WORK</b>			
		<b>PCC WORK</b>			
		51'4" X 24'8" X 3"	317.4	Cft	
5		<b>LINTEL</b>			
		over windows - 5 x 6' x 10" x 6"	60.0	Cft	
		over door - 15' x 10" x 6"	6.0	Cft	
6		<b>PLASTER</b>			
		classroom interior - 2 x 68' x 11'	1,496.0	sqft	
		toilet interior - 56' x 11'	616.0	sqft	
		toilet partition walls - 6 x 5'6" x 7'	231.0	sqft	
		outer walls - 152' x 11'	1,675.0	sqft	
		columns - 4 x 6' x 9'	216.0	sqft	
7		<b>STEEL REINFORCEMENT</b>			
		10mm	6.0	rods	
		8mm	8.0	rods	
8		<b>IRON POLES FOR SHED</b>			
		14 PC 3" DIA - 17'3" LONG (2kg/ft)	484.4	kg	
		14 pc 3" DIA - 7'8" LONG (2kg/ft)	217.0	kg	
		4 pc 3" dia - 53'4" long (2kg/ft)	427.0	kg	
9		<b>COLOUR COATED METAL SHEET FOR SHED</b>			
		4' x 12' sheet	13.0	sheets	
		4' x 8' sheet	26.0	sheets	
10		<b>TILES WORK (only in toilet)</b>			
		antiskid floor tiles for toilet	192.0	sqft	
		wall tiles for toilet (7' high tiles)	392.0	sqft	
11		<b>TOILET FIXTURES</b>			
		water closet (both boys' and girl' toilet)	9.0	unit	
		urinals (boys' toilet only)	3.0	unit	
		wash basin	3.0	unit	
12		<b>PLUMBING WORK</b>			
		taps	9.0	unit	
		faucets	3.0	unit	
		connectors	9.0	unit	
		1" dia pipeline	50.0	feet	
		4" dia sewerage pipeline	60.0	feet	
13		<b>ELECTRICAL WORK</b>			
		conduits	150.0	feet	
		wires	200.0	feet	
		fans	4.0	unit	
		light	16.0	unit	
		socket	16.0	unit	
		switch boards	4.0	unit	
14		<b>PAINTING WORK</b>			
		classroom (2x16' x18') 10' high	1,060.0	sqft	excluding openings
		toilet (12' x 18' ) 3' high	200.0	sqft	excluding openings
		corridor and exterior	1,595.0	sqft	excluding openings
		door and window	386.0	sqft	double side

**total quantity calculation total building (both sections included) - 2545 SQFT**

	Description	quantity for 1 set	total sets	unit	total quantity
1	<b>total soil filling</b>	<b>1,291.3</b>	<b>2</b>	<b>cft</b>	<b>2582.6</b>
2	brick work	1,403.4	2	cft	2806.8
	brick work in openings	193.5	2	cft	387
	<b>total brick work</b>	<b>1,209.9</b>	<b>2</b>	<b>cft</b>	<b>2419.8</b>
3	cement plaster (1") (1:4)	338.7	2	cft	677.44
4	concrete (M20)	383.4	2	cft	766.8
5	<b>total steel rods</b>				
	10mm	6.0	2	pc	12
	8mm	8.0	2	pc	16
5	<b>iron poles for shed</b>	<b>1,128.4</b>	<b>2</b>	<b>kg</b>	<b>2256.8</b>
6	<b>colour coated metal sheet for shed</b>				
	4'x12'	13.0	2	sheets	26
	4'x8'	26.0	2	sheets	52
7	<b>tiles in toilet</b>				
	antiskid floor tiles	192.0	2	sqft	384
	wall tiles	392.0	2	sqft	784
8	<b>TOILET FIXTURES</b>				
	water closet (both boys' and girls')	9.0	1	unit	9
	urinals (boys')	3.0	1	unit	3
	wash basin	3.0	2	unit	6
9	<b>PLUMBING WORK</b>				
	taps	9.0	2	unit	18
	faucets	3.0	2	unit	6
	connectors	9.0	2	unit	18
	1" dia pipeline	50.0	2	feet	100
	4" dia sewerage pipeline	60.0	2	feet	120
10	<b>ELECTRICAL WORK</b>				
	conduits	150.0	2	feet	300
	wires	200.0	2	feet	400
	fans	4.0	2	unit	8
	light	16.0	2	unit	32
	socket	16.0	2	unit	32
	switch boards	4.0	2	unit	8
11	<b>PAINTING WORK</b>				
	plastic emulsion painting (interior)	1,260.0	2	sqft	2520
	waterproof cement paint (exterior)	1,595.0	2	sqft	3190
	enamel painting (door/windows)	386.0	2	sqft	772

<b>total material calculation for complete building (both sections included) - 2545 SQFT</b>						
		Description	quantity	rate	unit	amount
<b>MATERIAL CHARGES</b>						
1	mr	brick	20		tractor	
2	mr	cement	356		bag	
3	mr	sand	14		tractor	
4	mr	aggregate	6		tractor	
5	mr	iron	2,258		kg	
6	mr	colour coated metal sheet	2,488		sqft	
7	mr	anit skid tiles	384.0		sqft	
8	mr	wall tiles	784.0		sqft	
9	mr	water closet (both boys' and girls')	9.0		unit	
10	mr	urinals (boys')	3.0		unit	
11	mr	wash basin	6.0		unit	
12	mr	taps	18.0		unit	
13	mr	faucets	6.0		unit	
14	mr	connectors	18.0		unit	
15	mr	1" dia pipeline	100.0		feet	
16	mr	4" dia sewerage pipeline	120.0		feet	
17	mr	conduits	300.0		feet	
18	mr	wires	400.0		feet	
19	mr	fans	8.0		unit	
20	mr	light	32.0		unit	
21	mr	socket	32.0		unit	
22	mr	switch boards	8.0		unit	
23	mr	plastic emulsion paint (interior) (inclusive of labour)	2,520.0		sqft	
24	mr	waterproof cement paint (exterior) (inclusive of labour)	3,190.0		sqft	
25	mr	enamel paint (inclusive of labour and primer)	772.0		sqft	
26	mr	miscellaneous cost for expenses like hinges/nails/wooden support/fexi metal wires and other such items	2,545.0		sqft	
			<b>total cost (A)</b>			
<b>LABOUR CHARGES</b>						
1	mr	civil labour cost (complete civil work upto plaster)	2,545.0		sqft	
2	mr	shed labour cost	2,810.0		sqft	
3	mr	tiles labour cost	1,168.0		sqft	
4	mr	electrician	2,545.0		sqft	
5		plumber	2.0		per toilet	
			<b>total cost (B)</b>			
			.....%			
			<b>GRAND TOTAL</b>			
			<b>RATE PER SQFT</b>			

SAY TOTAL - Rs. .... ONLY

..... ONLY

Note :

1. the rates have been provided on market basis and may vary
2. the rates have been quoted to reduce the overall cost of the structure. Since it is a temporary structure with shed on top and can be demolished if new and final proposal for building is prepared in future.