

DETAIL ESTIMATE FOR CONSTRUCTION OF 2 NOS OF A.C.R AT ICHHAPUR ASHRAM SCHOOL OF DUNGURIPALI BLOCK

Descriptio	No	L	B	H	Quantity	Unit	Amount
1 Earth work in ordinary soil within 50mtr initial lead and 1.5mtr initial lift							
Column ro	22	5	5	5	2750.000	CFT	
HORIZONTAL	12	7.42	2	2	356.160	CFT	
	3	3.83	2	2	45.960	CFT	
VERTICAL	8	6.42	2	2	205.440	CFT	
	2	3.83	2	2	30.640	CFT	
STEP	1	10	3	0.67	20.100	CFT	
					Total	3408.300 cum	
						96.455 cum	
	@	Rs	206.77 /cum	=		Rs	19943.98
2 Filling in foundation & plinth with clean coarse river sand including watering							
Column ro	22	5	5	1	550.000	CFT	
HORIZONTAL	12	10.92	2	0.5	131.040	CFT	
	3	3.83	2	0.5	11.490		
VERTICAL	8	9.92	2	0.5	79.360	CFT	
	2	7.33	2	0.5	14.660	CFT	
STEP	1	10	3	0.33	9.900	CFT	
					Total	796.450 CFT	
INSIDE							
FILLING	2	23.33	21.33	1	995.258	CFT	
	1	7.33	21.33	1	156.349	CFT	
	1	7.33	21.33	1	156.349	CFT	
BURN FILLING							
1/3 OF EARTH WORK					1136.100	CFT	
					3240.506	CFT	
					91.706	cum	
	@	Rs	638.51 /cum	=		Rs	58555.41
3 P.C.C(1:3:6) with 4cm size hard granite metal with lowering laying the							
Column ro	22	5	5	0.67	368.500	CFT	
HORIZONTAL	12	10.92	2	0.5	131.040	CFT	
	3	10.92	2	0.5	32.760	CFT	
VERTICAL	8	9.92	2	0.5	79.360	CFT	
	2	7.33	2	0.5	14.660	CFT	
INSIDE							
FILLING	1	23.33	21.33	0.33	164.218	CFT	
	1	7.33	21.33	0.33	51.595	CFT	
	1	7.33	21.33	0.33	51.595	CFT	
STEP	1	10	3	0.33	9.900	CFT	
					903.628	CFT	
					25.573	cum	
	@	Rs	4803.14 /cum	=		Rs	122829.06

4 R.C.C. M20 with 20mm and 10mm size CBHG chips including lowering laying

a) Column Base

Raft	22	4.5	4.5	0.67	298.485 CFT
	22	0.83	0.83	1	15.156 CFT
UP TO G.LE	22	0.83	0.83	1.5	22.734 CFT
					336.375 CFT
				Total	9.519 cum

@ Rs 5587.23 /cum = Rs **53187.10**

b) Column GL

	22	0.83	0.83	2	30.3116 CFT
					30.3116 CFT
					0.858 cum

@ Rs 5587.23 /cum Total Rs **4792.83**

b) Plinth bend G L

STALL H	3	59.32	0.83	0.83	122.597 CFT
V	4	22	0.83	0.83	60.623 CFT
	2	8	0.83	0.83	11.022 CFT
					194.242 CFT
				Total	5.497 cum

@ Rs 6406.23 /cum = Rs **35215.42**

c) Column s/s

abaove plir	18	0.83	0.83	10.5	130.202 CFT
abaove plir	4	1.25	1	10.5	52.500 CFT
					182.702 CFT
				Total	5.170 cum

@ Rs 15353.25 /cum = Rs **79383.49**

d) Lintel

STALL H	2	59.32	0.83	0.5	49.236 CFT
	1	59.32	0.83	0.5	24.618 CFT
V	4	22	0.83	0.83	60.623 CFT
	2	8	0.83	0.5	6.640 CFT
					141.117 CFT
				Total	3.994 cum

@ Rs 12615.63 /cum = Rs **50381.79**

e) G. BEAM

STALL H	3	59.32	0.83	0.83	122.597 CFT
V	4	22	0.83	0.83	60.623 CFT
	2	8	0.83	0.83	11.022 CFT
	2	22	0.83	2	73.040 CFT
					267.282 CFT
				Total	7.564 cum

@ Rs 15353.25 /cum = RS **116133.30**

F CHAJJA

	4	5.00	2		40.00 SFT
	0	7.50	2		0.00 SFT
	1	59.32	2		118.64 SFT
					158.64 SFT
					14.75 SQM

	2	32.49		13	844.740 SFT	
	2	24		11	528.000 SFT	
	1	8		11	88.000 SFT	
					3003.060 SFT	
door	4	4		7	-112.000 SFT	
WIN	4	4		5	-80.000 SFT	
OPENING	2	8		7	-112.000 SFT	
	5	11.59		7	-405.650 SFT	
				Total	2699.060 SFT	
					251.013 SQM	
	@	Rs	149.72 /sqm	=	Rs	37581.84

8 16mm. thick cement plaster in cement mortar (1:6) for brick work or stone

	4	24		11	1056.000 SFT	
	6	22		11	1452.000 SFT	
	2	8		11	176.000 SFT	
					2684.000 SFT	
door	4	4		7	-112.000 SFT	
WIN	4	4		5	-80.000 SFT	
OPENING	2	5		7	-70.000 SFT	
	5	11.59		7	-405.650 SFT	
					2422.000 SFT	
					225.246 SQM	
	@	Rs	214.12 /sqm	=	Rs	48228.87

9 2.5cm artificial stone flooring with cement concrete (1:2:4) including punning

floor	2	24.00		22	1056	SFT
	1	58.49		8	467.92	SFT
					1523.92	SFT
					141.7246	SQM
	@	Rs	334.36 /sqm	=	Rs	47386.38

11 Wt of MS Grills, Door & Windows made out of structural steel pati.

<u>Door</u>				Factor		
Door	4	4.00	7.00	3.25	364.000	kg
	4	4.00	5.00	3.25	260.000	kg
GRILL	4	4.00	5.00	1.50	120.000	kg
					744.00	kg

12 Labour charges for fixing MS Grills, Door and Windows. 113039.50

<u>Door</u>						
D	4	4.00	7.00		112.000	Sqft.
	4	4.00	5.00		80.000	Sqft.
					192.000	Sqft.
					17.856	SQM

13 painting with synthetic paint of approved quality and shade over surface with 2 coats over 1 coat of primer etc 1251.71

<u>Door</u>				Factor		
D	4	4.00	7.00	2.25	252.000	Sqft.
	4	4.00	5.00	2.25	180.000	Sqft.

Grill	4	4.00	5.00	0.50	40.000	Sqft.
					472.00	Sqft.
					43.90	Sq.m.

14

@	Rs	<input type="text" value="208.25"/>	/sqm	=	Rs	9141.38
wall Painting two coats with weather coat paint over a coat primer of approved shade on new work to give an even shade including cost of						
12 mm						
plaste					2699.06	Sqft.
portio						
16 mm					2422.00	Sqft.
plaster						
ceilling	2	22		24	1056.00	Sqft.
plaster						
	1	57.66		5	288.30	Sqft.
					6465.36	Sqft.
					601.28	Sq.m.
@	Rs	<input type="text" value="154.08"/>	/sqm	=	Rs	92646.16

15 ADD FOR PROVISION FOR TRANSFERNCY PILLAR & PHTOGRAPHS

1 NOS

1 NOS

@ Rs /sqm = Rs 1000.00

16 PROVISION FOR ELECTRIFICATION 50000.00

TOTAL Rs **1875420.31**

17 ADD FOR G.S.T @18% Rs **337575.66**

GRAND TOTAL Rs **2212995.97**

OR SAY TO **2200000.00**

RUPEES(TWENTY TWO LAKHS) ONLY

Junior Engineer
Dunguripali Block

Assistant Engineer
Dunguripali Block

Block Development O
Dunguripali Block

fficer

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Completion of two Nos. of Addl. Class Room of Ichhapur Ashram School

SR.NO	NAME OF WORK	QTY	UNIT	RATE IN RS	AMOUNT IN RS
1	Earth work in ordinary soil within 50mtr initial lead and 1.5mtr initial lift including rough dressing and breaking of clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3mtr in depth as per direction of Engineer -in - charge.	96.455	cum	206.77	19944.00
2	Filling in foundation & plinth with clean coarse river sand including watering & ramming in layers upto 1.5m depth with all lead labour T&P charges etc.required (only consolidated volume shall be taken for payment) including supplying of all materials, labour & T&P with cost, conveyance, royalty, taxes etc all complete as per specification & direction of Engineer in charge.	91.706	cum	638.51	58555.20
3	P.C.C(1:4:8) with 4cm size hard granite metal with lowering laying the concrete & curing etc., including supply of all materials labour T&P required for the work with cost ,conveyance & royalty,taxes etc all complete as per the direction of the engineer in	25.573	cum	4803.14	122830.70
4	R.C.C. M20 with 20mm and 10mm size CBHG chips including lowering laying the concrete and curing etc. compacting to required depth & levels, including supply of all materials labour T&P required for the	9.519	cum	5587.23	53184.84
I	col GL TO PL	0.858	cum	5587.23	4793.84
ii	plinth beam	5.497	cum	6406.23	35215.05
III	lintel	3.994	cum	12615.63	50386.83
IV	column sup structer	5.170	cum	15353.25	79376.30
V	wall beam	7.564	cum	15353.25	116131.98
VI	CHHAJJA	14.75	cum	1079.99	15929.85
VII	SLAB	19.037	cum	11960.16	227685.57
5	Providing M.S. reinforcement for R.C.C. work with cutting, bending, binding and tying the grills as per approved design & placing in position including cost conveyance M.S. Rod & binding wire 18 to 20 gauge	41.904	QNTL	8847.36	370739.77
6	Providing Fly Ash Brick masonry in C.M (1:6) in foundation & plinth using 25cm x 12cm x 8cm size Fly Ash bricks having crushing strength not less than 75 kg/cm ² with lowering & curing including cost, conveyance,royalties & all taxes of materials to work site etc. all complete as per direction of E.I. C. F&P	22.673	cum	4591.07	104091.30
I	SUPERSTRUCTER	46.307	cum	4670.31	216268.75
7	12mm. thick cement plaster in cement mortar (1:6) for brick work. (per sqm.)	251.013	sqm	149.72	37581.84
8	16mm. thick cement plaster in cement mortar (1:6) for brick work or stone masonry. (per sqm.)	225.246	sqm	214.12	48228.87

SR.NO	NAME OF WORK	QTY	UNIT	RATE IN RS	AMOUNT IN RS
9	2.5cm artificial stone flooring with cement concrete (1:2:4) including punning using 12 mm size Crusher broken granites chips.	141.7246	sqm	334.36	47386.38
10	Supplying fitting & fixing rolling shutters of approved make,made of required size M.S laths interlocked together through their entire length and jointed	744.00	kgm	151.93	113039.50
11	Labour charges for fixing MS Grills,Door and Windows.	17.856		70.10	1251.71
12	Painting 1 coat with approved paint/enamel paint over new wood or iron works	43.90	sqm	208.25	9141.38
13	Finishing walls with water proofing cement paint of approved shade on new work two coat to give an	601.28	sqm	154.08	92646.16
14	provision for photograph	1.000	NOS	1000.00	1000.00
15	PROVISION FOR ELECTRIFICATION		LS		50000.00
	TOTAL			RS	1875409.83