

Detailed Estimate

OD/356/3402/118480/400629/00073855 : construction of Jokadia CC at Pahanga.
Block : Rasulpur, Gram Panchayat : Pahanga
Created By: SUNARAM MARNDI

1. Earth Work (AR0122Ai) : Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift									
Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-charge.									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	L/W	2.000	3.710	0.600	0.600	0.000	2.671	-	
ii	S/W	2.000	2.490	0.600	0.600	0.000	1.793	-	
iii	COLUMN	4.000	1.200	1.200	1.200	0.000	6.912	-	
iv	COLUMN	4.000	1.200	0.600	0.600	0.000	-	1.728	
Total Quantity					9.648 cum (cum)		9.648 Cum (Cubic Meter)		
Amount					9.648 X 220.96043508		2131.83		
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed									
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	L./W	2.000	3.710	0.600	0.100	0.000	0.445	-	
ii	S/W	2.000	2.490	0.600	0.100	0.000	0.299	-	
iii	COLUMN	4.000	1.200	1.200	0.150	0.000	0.864	-	
iv	ROOM	1.000	2.860	2.840	0.300	0.000	2.437	-	
v	COLUMN	4.000	1.200	0.600	0.100	0.000	-	0.288	
vi	FOUNDATION TRENCH FILLING	9.650	0.000	0.000	0.000	0.333	3.217	-	

Total Quantity	6.9733866666667 cum (cum)	6.9733866666667 Cum (Cubic Meter)
Amount	6.9733866666667 X 751.847232	5242.92

3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal

Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	2.000	3.710	0.600	0.100	0.000	0.445	-
ii	S/W	2.000	2.490	0.600	0.100	0.000	0.299	-
iii	COLUMN	4.000	1.200	1.200	0.150	0.000	0.864	-
iv	ROOM	1.000	2.860	2.840	0.100	0.000	0.812	-
v	COLUMN	4.000	1.200	0.600	0.100	0.000	-	0.288

Total Quantity	2.13224 cum (cum)	2.13224 Cum (Cubic Meter)
Amount	2.13224 X 6093.95172166	12993.77

4. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN BASE	4.000	1.200	1.200	0.200	0.000	1.152	-
ii	1ST FOOTING UPTO PLINTH	4.000	0.250	0.250	0.860	0.000	0.215	-

Total Quantity	1.367 cum (cum)	1.367 Cum (Cubic Meter)
Amount	1.367 X 6626.0588772047	9057.82

5. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	2.000	3.360	0.250	0.250	0.000	0.420	-
ii	S/W	2.000	2.840	0.250	0.250	0.000	0.355	-
iii	COLUMN	4.000	0.250	0.250	0.250	0.000	-	0.063
Total Quantity					0.7125 cum (cum)		0.7125 Cum (Cubic Meter)	
Amount					0.7125 X 7382.8810023464		5260.30	

6. R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	B.L/W	2.000	3.360	0.250	0.200	0.000	0.336	-
ii	B. L/W	2.000	2.700	0.250	0.200	0.000	0.270	-
iii	COLUMN	4.000	0.250	0.250	3.050	0.000	0.763	-
Total Quantity					1.3685 cum (cum)		1.3685 Cum (Cubic Meter)	
Amount					1.3685 X 14681.812264525		20092.06	

7. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	SLAB	1.000	3.660	4.250	0.100	0.000	1.556	-
Total Quantity					1.5555 cum (cum)		1.5555 Cum (Cubic Meter)	
Amount					1.5555 X 12927.943281595		20109.42	
8. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position								
Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROD	1.000	0.000	0.000	0.000	3.360	3.360	-
Total Quantity					3.36 Qntl (Quintal)		3.36 Qntl (Quintal)	
Amount					3.36 X 8658.0462906		29091.04	
9. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips								
2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	FLOOR	1.000	2.860	2.840	0.000	0.000	8.122	-
Total Quantity					8.1224 Sqm (Sqm)		8.1224 Sqm (Square Meter)	
Amount					8.1224 X 372.5091305332		3025.67	
10. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm ² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	1ST FOOTING L/W	2.000	3.610	0.500	0.150	0.000	0.542	-	
ii	S/W	2.000	2.590	0.500	0.150	0.000	0.389	-	
iii	2ND FOOTING L/W	2.000	3.490	0.380	0.400	0.000	1.061	-	
iv	S/W	2.000	2.710	0.380	0.400	0.000	0.824	-	
v	COLUMN	4.000	0.250	0.500	0.150	0.000	-	0.075	
vi	COLUMN	4.000	0.250	0.250	0.400	0.000	-	0.100	
Total Quantity					2.6398 cum (cum)		2.6398 Cum (Cubic Meter)		
Amount					2.6398 X 4977.508915288		13139.63		

11. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	L/W	2.000	3.360	0.250	3.050	0.000	5.124	-	
ii	S/W	2.000	2.840	0.250	3.050	0.000	4.331	-	
iii	COLUMN	4.000	0.250	0.250	3.050	0.000	-	0.763	
iv	DOOR	1.000	0.910	0.250	1.930	0.000	-	0.439	
v	WINDOW	1.000	0.760	0.250	0.780	0.000	-	0.148	
Total Quantity					8.105225 cum (cum)		8.105225 Cum (Cubic Meter)		
Amount					8.105225 X 5010.838915288		40613.98		

12. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	OUT SIDE BELOW PLINTH L/W	2.000	3.360	0.000	0.150	0.000	1.008	-
ii	S/W	2.000	3.340	0.000	0.150	0.000	1.002	-
iii	ABOVE PLINTH L/W	2.000	3.360	0.000	3.050	0.000	20.496	-
iv	S/W	2.000	3.340	0.000	3.050	0.000	20.374	-
v	DOOR	1.000	0.910	0.000	1.930	0.000	-	1.756
vi	WINDOW	1.000	0.760	0.000	0.780	0.000	-	0.593
Total Quantity					40.5309 Sqm (Sqm)		40.5309 Sqm (Square Meter)	
Amount					40.5309 X 170.0503077332		6892.29	

13. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	2.000	2.860	0.000	3.050	0.000	17.446	-
ii	S/W	2.000	2.840	0.000	3.050	0.000	17.324	-
iii	DOOR	1.000	0.910	0.000	1.930	0.000	-	1.756
iv	WINDOW	1.000	0.760	0.000	0.780	0.000	-	0.593
Total Quantity					32.4209 Sqm (Sqm)		32.4209 Sqm (Square Meter)	
Amount					32.4209 X 244.341858522		7921.78	

14. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	OUTSIDE BELOW PLINTH L/W	2.000	3.360	0.000	0.150	0.000	1.008	-
ii	S/W	2.000	3.340	0.000	0.150	0.000	1.002	-
iii	OUT SIDE ABOVE PLINTH L/W	2.000	3.360	0.000	3.050	0.000	20.496	-
iv	S/W	2.000	3.340	0.000	3.050	0.000	20.374	-
v	DOOR	1.000	0.910	0.000	1.930	0.000	-	1.756
vi	WINDOW	1.000	0.760	0.000	0.780	0.000	-	0.593
vii	INSIDE ROOM L/W	2.000	2.860	0.000	3.050	0.000	17.446	-
viii	S/W	2.000	2.840	0.000	3.050	0.000	17.324	-
ix	DOOR	1.000	0.910	0.000	1.930	0.000	-	1.756
x	WINDOW	1.000	0.760	0.000	0.780	0.000	-	0.593
Total Quantity					72.9518 Sqm (Sqm)		72.9518 Sqm (Square Meter)	
Amount					72.9518 X 72.536702463226		5291.68	

15. Painting (AR0918Ai) : Finishing wall one coat with weather coat

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	OUT SIDE BELOW PLINTH L/W	2.000	3.360	0.000	0.150	0.000	1.008	-

ii	S/W	2.000	3.340	0.000	0.150	0.000	1.002	-	
iii	OUT SIDE ABOVE PLINTH L/W	2.000	3.360	0.000	3.050	0.000	20.496	-	
iv	SLW	2.000	3.340	0.000	3.050	0.000	20.374	-	
v	DOOR	1.000	0.910	0.000	1.930	0.000	-	1.756	
vi	WINDOW	1.000	0.760	0.000	0.780	0.000	-	0.593	
vii	INSIDE ROOM L/W	2.000	2.860	0.000	3.050	0.000	17.446	-	
viii	S/W	2.000	2.840	0.000	3.050	0.000	17.324	-	
ix	DOOR	1.000	0.910	0.000	1.930	0.000	-	1.756	
x	WINDOW	1.000	0.760	0.000	0.780	0.000	-	0.593	
Total Quantity					72.9518 Sqm (Sqm)		72.9518 Sqm (Square Meter)		
Amount					72.9518 X 56.9555061525		4155.01		
16. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)									
Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	window	1.000	0.760	0.000	0.780	2.750	1.630	-	
ii	door	1.000	0.910	0.000	1.930	2.250	3.952	-	
Total Quantity					5.581875 Sqm (Sqm)		5.581875 Sqm (Square Meter)		
Amount					5.581875 X 163.57880165202		913.08		
17. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.									
Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.									

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	window	1.000	0.760	0.000	0.780	2.750	1.630	-
ii	door	1.000	0.910	0.000	1.930	2.250	3.952	-
Total Quantity					5.581875 Sqm (Sqm)		5.581875 Sqm (Square Meter)	
Amount					5.581875 X 65.99574366851		368.38	
Total Amount							186300.65	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2000.00	
Display Citizen Board (+) @							1069.00	
Any Other Lumpsum (+) @							10629.41	
Provision for survey investigation and quality control (+) @								
Total Addition							13698.41	
Grand Net Total Amount							199999.06	

SUNARAM MARNDI
JE
Rasulpur Block

AEsabitadhal
AEE
Rasulpur Block

Satyananda Dash
BDO
Rasulpur Block