

Detailed Estimate

OD/346/3304/116204/393632/00105131 : Const. of CRC near RD road of village Dhaligadia

Block : Khaira, Gram Panchayat : Bartana

Created By:Shradhananda Panigrahi

1. 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	G.B	2.000	19.000	0.830	1.000	2.000	63.080	-
ii		2.000	12.330	0.830	1.000	2.000	40.936	-
iii	Column	6.000	0.830	0.830	9.000	2.000	74.401	-
iv	Lintel	2.000	19.000	0.830	0.500	2.000	31.540	-
v		2.000	12.330	0.830	0.500	2.000	20.468	-
vi	W.B	2.000	19.000	0.830	0.500	2.000	31.540	-
vii		2.000	12.330	0.830	0.500	2.000	20.468	-
viii	R.B	1.000	12.330	0.830	0.830	2.000	16.988	-
ix	K.B	3.000	3.000	0.830	0.500	2.000	7.470	-
x	Chhajja	3.000	5.000	1.500	0.250	2.000	11.250	-
xi	Slab	1.000	20.000	17.500	0.375	2.000	262.500	-
Total Quantity					580.640674 Kg (Kilo Gram)		5.80640674 Qntl (Quintal)	
Amount					5.80640674 X 8632.0992593		50121.48	
2. Pile Foundation (AR1501bc) : Single under reamed pile foundation 300 mm dia and 4.0 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips								
Single under reamed pile foundation 300 mm dia and 4.0 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (300mm dia and 4.0 meter long)								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		6.000	0.000	0.000	0.000	0.000	6.000	-
Total Quantity					6 Nos (Number)		6 Nos (Number)	
Amount					6 X 4330.3731719		25982.24	
3. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	G.B	2.000	19.000	0.830	1.000	0.000	31.540	-
ii		2.000	12.330	0.830	1.000	0.000	20.468	-
iii	Column	6.000	0.830	0.830	9.000	0.000	37.201	-
iv	Lintel	2.000	19.000	0.830	0.500	0.000	15.770	-
v		2.000	12.330	0.830	0.500	0.000	10.234	-
vi	W.B	2.000	19.000	0.830	0.500	0.000	15.770	-
vii		2.000	12.330	0.830	0.500	0.000	10.234	-
viii	R.B	1.000	12.330	0.830	0.830	0.000	8.494	-
ix	K.B	3.000	3.000	0.830	0.500	0.000	3.735	-
x	Chhajja	3.000	5.000	1.500	0.250	0.000	5.625	-
xi	Slab	1.000	20.000	17.500	0.375	0.000	131.250	-
Total Quantity					290.320337 Cft (Cubic Foot)		8.2209429187616 Cum (Cubic Meter)	
Amount					8.2209429187616 X 7063.6894119502		58070.19	
4. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc								

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	G.B	2.000	19.000	0.000	1.000	2.000	76.000	-
ii		2.000	12.330	0.000	1.000	2.000	49.320	-
Total Quantity							125.32 Sft (Square Foot)	11.64260396 Sqm (Square Meter)
Amount							11.64260396 X 216.23489289764	2517.54

5. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	6.000	0.830	0.000	9.000	4.000	179.280	-
ii	W.B	2.000	19.000	0.000	0.500	2.000	38.000	-
iii		2.000	12.330	0.000	0.500	2.000	24.660	-
iv	R.B	1.000	12.330	0.000	2.500	0.000	30.825	-
v	K.B	3.000	3.000	0.000	1.830	0.000	16.470	-
Total Quantity							289.235 Sft (Square Foot)	26.870799205 Sqm (Square Meter)
Amount							26.870799205 X 1047.3822930467	28144.00

6. R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	2.000	19.000	0.000	0.500	2.000	38.000	-
ii		2.000	12.330	0.000	0.500	2.000	24.660	-

Total Quantity	62.66 Sft (Square Foot)	5.82130198 Sqm (Square Meter)
Amount	5.82130198 X 499.15267251462	2905.72

7. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Chhajja	3.000	5.000	1.500	0.000	0.000	22.500	-
ii	Slab	1.000	20.000	17.500	0.000	0.000	350.000	-
iii	Deduct WALL	1.000	63.000	0.830	0.000	0.000	-	52.290
Total Quantity					320.21 Sft (Square Foot)		29.74846963 Sqm (Square Meter)	
Amount					29.74846963 X 662.689943368		19714.01	

8. 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		1.000	17.330	12.330	1.000	0.000	213.679	-
Total Quantity					213.6789 Cft (Cubic Foot)		6.05070267552 Cum (Cubic Meter)	
Amount					6.05070267552 X 1503.287232		9095.94	

9. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	17.330	12.330	0.330	0.000	70.514	-

Total Quantity	70.514037 Cft (Cubic Foot)	1.9967318829216 Cum (Cubic Meter)
Amount	1.9967318829216 X 6955.88406526	13889.04

10. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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. complete as per specificaion and direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	17.330	12.330	0.330	0.000	70.514	-
Total Quantity					70.514037 Cft (Cubic Foot)		1.9967318829216 Cum (Cubic Meter)	
Amount					1.9967318829216 X 8348.07193962		16668.86	

11. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	2.000	19.000	0.830	9.000	0.000	283.860	-
ii	C/W	2.000	12.330	0.830	9.000	0.000	184.210	-
iii	Column	6.000	0.830	0.830	9.000	0.000	-	37.201
iv	Door	2.000	3.500	0.830	6.500	0.000	-	37.765
v	Window	3.000	4.000	0.830	4.000	0.000	-	39.840
Total Quantity					353.2646 Cft (Cubic Foot)		10.00332302528 Cum (Cubic Meter)	
Amount					10.00332302528 X 5553.802621568		55556.48	

12. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	19.000	0.000	0.500	0.000	19.000	-
ii		2.000	12.330	0.000	0.500	0.000	12.330	-
Total Quantity					31.33 Sft (Square Foot)		2.91065099 Sqm (Square Meter)	
Amount					2.91065099 X 1536.047898636		4470.90	

13. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	17.330	12.330	0.000	0.000	213.679	-
Total Quantity					213.6789 Sft (Square Foot)		19.8514108467 Sqm (Square Meter)	
Amount					19.8514108467 X 1195.2910850788		23728.21	

14. Flooring (AR0820) : 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips

2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips including curing for seven days 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		1.000	19.000	2.500	0.000	0.000	47.500	-
Total Quantity					47.5 Sft (Square Foot)		4.4128925 Sqm (Square Meter)	
Amount					4.4128925 X 376.1715414676		1660.00	

15. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	2.000	3.500	0.000	6.500	0.000	45.500	-
ii	Window	3.000	4.000	0.000	4.000	0.000	48.000	-
Total Quantity					93.5 Kg (Kilo Gram)		0.935 Qntl (Quintal)	
Amount					0.935 X 15965.287573087		14927.54	

16. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plaster (1:6) over Brick work in outside 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	19.000	10.000	0.000	0.000	380.000	-
ii		2.000	14.000	10.000	0.000	0.000	280.000	-
iii	Door	2.000	3.500	0.000	6.500	0.500	-	22.750
iv	Window	3.000	4.000	0.000	4.000	0.500	-	24.000
Total Quantity					613.25 Sft (Square Foot)		56.97276475 Sqm (Square Meter)	
Amount					56.97276475 X 181.3987073252		10334.79	

17. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	17.330	9.500	0.000	0.000	329.270	-
ii		2.000	12.330	9.500	0.000	0.000	234.270	-
iii	Door	2.000	3.500	0.000	6.500	0.500	-	22.750
iv	Window	3.000	4.000	0.000	4.000	0.500	-	24.000

Total Quantity	516.79 Sft (Square Foot)	48.01134137 Sqm (Square Meter)
Amount	48.01134137 X 257.960023842	12385.01

18. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inner Wall	2.000	17.330	9.500	0.000	0.000	329.270	-
ii		2.000	12.330	9.500	0.000	0.000	234.270	-
iii	Outer Wall	2.000	19.000	10.000	0.000	0.000	380.000	-
iv		2.000	14.000	10.000	0.000	0.000	280.000	-
v	Door	2.000	3.500	0.000	6.500	0.000	-	45.500
vi		3.000	4.000	0.000	4.000	0.000	-	48.000
Total Quantity					1130.04 Sft (Square Foot)		104.98410612 Sqm (Square Meter)	
Amount					104.98410612 X 71.83248932951		7541.27	

19. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inner Wall	2.000	17.330	9.500	0.000	0.000	329.270	-
ii		2.000	12.330	9.500	0.000	0.000	234.270	-
iii	Outer Wall	2.000	19.000	10.000	0.000	0.000	380.000	-
iv		2.000	14.000	10.000	0.000	0.000	280.000	-
v	Door	2.000	3.500	0.000	6.500	0.000	-	45.500
vi		3.000	4.000	0.000	4.000	0.000	-	48.000

Total Quantity	1130.04 Sft (Square Foot)	104.98410612 Sqm (Square Meter)
Amount	104.98410612 X 94.7526285875	9947.52

Total Amount (A) : 367660.74

Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Provision for EI Work @ Rs.17800	-	17800
2	Provision for Contingency @ 1%	-	3676.6073955738
3	Display Citizen Board @ Rs.5000	-	5000
4	Any Other Lumpsum @ Rs.5862	Other Unforeseen Items	5862
Additional Components Amount (F) : 32338.607395574			

Grand Total Amount (A + F) : 399999.34695296

Shradhananda Panigrahi
JE
Khaira Block

Bibhuti Bhusan Nayak
AEE
Khaira Block

Narayan Sahu
BDO
Khaira Block