

Detailed Estimate

OD/367/3523/120606/907585/00071196 : Const. of Ragadipada Khela Padia Nutana Gruha and Water Supply
Block : Bhapur, Gram Panchayat : Sasana
Created By: Aishwarya Rajalaxmi Nath

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil foundation & plinth 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 the direction of the Engineer-in-charge								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Coloumn	4.000	1.200	1.200	1.200	0.000	6.912	-
ii	L/W	2.000	4.450	0.750	0.750	0.000	5.006	-
iii	S/W	2.000	2.650	0.750	0.750	0.000	2.981	-
iv	coloumn	4.000	1.200	0.750	0.750	0.000	-	2.700
Total Quantity					12.1995 cum (cum)		12.1995 Cum (Cubic Meter)	
Amount					12.1995 X 240.77592		2937.35	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	coloumn	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	L/W	2.000	4.450	0.750	0.150	0.000	1.001	-
iii	S/W	2.000	2.650	0.750	0.150	0.000	0.596	-
iv	Filling	1.000	3.450	3.150	0.600	0.000	6.521	-
v	coloumn	4.000	1.200	0.750	0.150	0.000	-	0.540
Total Quantity					8.442 cum (cum)		8.442 Cum (Cubic Meter)	

Amount		8.442 X 894.933932					7555.03	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	coloumn	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	wall	2.000	4.450	0.750	0.150	0.000	1.001	-
iii	s/w	2.000	2.650	0.750	0.150	0.000	0.596	-
iv	Floor	1.000	3.450	3.150	0.125	0.000	1.358	-
v	coloumn	4.000	1.200	0.750	0.150	0.000	-	0.540
Total Quantity					3.2799375 cum (cum)		3.2799375 Cum (Cubic Meter)	
Amount		3.2799375 X 5324.19033984					17463.01	
4. 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 specifaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	flooring	1.000	3.450	3.150	0.100	0.000	1.087	-
Total Quantity					1.08675 cum (cum)		1.08675 Cum (Cubic Meter)	
Amount		1.08675 X 6826.66878808					7418.88	
5. 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	wall upto GL	2.000	4.200	0.500	0.550	0.000	2.310	-
ii		2.000	2.000	0.500	0.550	0.000	1.100	-
iii	Wall above GL	2.000	3.950	0.250	0.500	0.000	0.988	-
iv		2.000	3.150	0.250	0.500	0.000	0.788	-
v	coloumn	4.000	0.250	0.250	1.050	0.000	-	0.263
Total Quantity					4.9225 cum (cum)		4.9225 Cum (Cubic Meter)	
Amount					4.9225 X 5040.937725712		24814.02	

6. 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	Wall above plinth	2.000	3.950	0.250	2.100	0.000	4.148	-
ii		2.000	3.650	0.250	2.100	0.000	3.833	-
iii	wall above lintel	2.000	3.950	0.250	0.600	0.000	1.185	-
iv		2.000	3.650	0.250	0.600	0.000	1.095	-
v	coloumn	4.000	0.250	0.250	2.700	0.000	-	0.675
vi	D	1.000	1.050	0.250	2.100	0.000	-	0.551
vii	W	1.000	1.050	0.250	1.200	0.000	-	0.315
Total Quantity					8.71875 cum (cum)		8.71875 Cum (Cubic Meter)	
Amount					8.71875 X 5074.267725712		44241.27	

7. 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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Coloimn base	1.000	1.200	1.200	0.300	0.000	0.432	-
Total Quantity					0.432 cum (cum)		0.432 Cum (Cubic Meter)	
Amount					0.432 X 5848.6290924633		2526.61	

8. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth beam	2.000	3.950	0.250	0.250	0.000	0.494	-
ii		2.000	3.150	0.250	0.250	0.000	0.394	-
Total Quantity					0.8875 cum (cum)		0.8875 Cum (Cubic Meter)	
Amount					0.8875 X 6605.451217605		5862.34	

9. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	coloumn upto plinth	4.000	0.250	0.250	0.900	0.000	0.225	-

ii	column above plinth	4.000	0.250	0.250	3.650	0.000	0.913	-	
iii	wall beam	2.000	3.950	0.250	0.150	0.000	0.296	-	
iv		2.000	3.150	0.250	0.150	0.000	0.236	-	
Total Quantity					1.67 cum (cum)		1.67 Cum (Cubic Meter)		
Amount					1.67 X 13904.382479783		23220.32		

10. R.C.C. Work (AR0404Ad) : 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 Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	lintel	2.000	3.950	0.250	0.150	0.000	0.296	-	
ii		2.000	3.150	0.250	0.150	0.000	0.236	-	
Total Quantity					0.5325 cum (cum)		0.5325 Cum (Cubic Meter)		
Amount					0.5325 X 12512.913320994		6663.13		

11. 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	4.250	3.750	0.125	0.000	1.992	-	
Total Quantity					1.9921875 cum (cum)		1.9921875 Cum (Cubic Meter)		
Amount					1.9921875 X 12150.513496853		24206.10		

12. 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	0.000	7.200	0.000	0.000	0.000	7.200	-
Total Quantity					7.2 Qntl (Quintal)		7.2 Qntl (Quintal)	
Amount					7.2 X 8641.0649283		62215.67	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	3.500	0.000	3.300	0.000	23.100	-
ii		2.000	3.150	0.000	3.300	0.000	20.790	-
iii	d	0.500	1.050	0.000	2.100	0.000	-	1.103
iv	W	0.500	1.050	0.000	1.200	0.000	-	0.630
Total Quantity					42.1575 Sqm (Sqm)		42.1575 Sqm (Square Meter)	
Amount					42.1575 X 245.878048928		10365.60	

14. Plastering (AR1026) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	CELLING	1.000	3.450	3.150	0.000	0.000	10.868	-
Total Quantity					10.8675 Sqm (Sqm)		10.8675 Sqm (Square Meter)	

Amount		10.8675 X 159.3617997616					1731.86	
15. 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	Wall	2.000	3.950	0.000	3.650	0.000	28.835	-
ii		2.000	3.650	0.000	3.650	0.000	26.645	-
iii	D	0.500	1.050	0.000	2.100	0.000	-	1.103
iv	W	0.500	1.050	0.000	1.200	0.000	-	0.630
Total Quantity					53.7475 Sqm (Sqm)		53.7475 Sqm (Square Meter)	
Amount		53.7475 X 171.3312931168					9208.63	
16. 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	W	1.000	1.050	42.000	1.200	0.000	52.920	-
ii	D	1.000	1.050	37.000	2.100	0.000	81.585	-
Total Quantity					134.505 Kg (Kilo Gram)		1.34505 Qntl (Quintal)	
Amount		1.34505 X 15973.749353087					21485.49	
17. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	WALL	2.000	3.450	0.000	3.300	0.000	22.770	-
ii		2.000	3.150	0.000	3.300	0.000	20.790	-
iii	D	1.000	1.050	0.000	2.100	0.000	-	2.205
iv	W	1.000	1.050	0.000	1.200	0.000	-	1.260
v	Celling	1.000	3.450	3.150	0.000	0.000	10.868	-

Total Quantity					50.9625 Sqm (Sqm)		50.9625 Sqm (Square Meter)	
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Amount					50.9625 X 71.83248932951		3660.76	
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18. 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	WALL	2.000	3.950	0.000	3.650	0.000	28.835	-
ii		2.000	3.650	0.000	3.650	0.000	26.645	-
iii	D	1.000	1.050	0.000	2.100	0.000	-	2.205
iv	W	1.000	1.050	0.000	1.200	0.000	-	1.260

Total Quantity					52.015 Sqm (Sqm)		52.015 Sqm (Square Meter)	
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Amount					52.015 X 72.849606979355		3789.27	
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19. Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)

Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty 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	WALL	2.000	3.950	0.000	3.650	0.000	28.835	-

ii		2.000	3.650	0.000	3.650	0.000	26.645	-	
iii	D	1.000	1.050	0.000	2.100	0.000	-	2.205	
iv	W	1.000	1.050	0.000	1.200	0.000	-	1.260	
Total Quantity					52.015 Sqm (Sqm)		52.015 Sqm (Square Meter)		
Amount					52.015 X 87.8656910875		4570.33		

20. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside.

20mm thick cement Plaster in CM (1:4) over stone 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	Slab	1.000	4.250	3.750	0.000	0.000	15.938	-	
Total Quantity					15.9375 Sqm (Sqm)		15.9375 Sqm (Square Meter)		
Amount					15.9375 X 268.7700033824		4283.52		

21. 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	Wall	2.000	3.450	0.000	3.300	0.000	22.770	-	
ii	wall	2.000	3.150	0.000	3.300	0.000	20.790	-	
iii	d	1.000	1.050	0.000	2.100	0.000	-	2.205	
iv	W	1.000	1.050	0.000	1.200	0.000	-	1.260	
Total Quantity					40.095 Sqm (Sqm)		40.095 Sqm (Square Meter)		
Amount					40.095 X 94.7400035875		3798.60		

Total Amount	292017.80
Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	3000.00
Display Citizen Board (+) @	4980.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	7980.00
Grand Net Total Amount	299997.80

Aishwarya Rajalaxmi Nath
JE
Bhapur Block

Ritimukta Swain
AEE
Bhapur Block

SARADA PRASANNA PANDA
BDO
Bhapur Block