

Detailed Estimate

OD/346/3305/116242/393112/00068331 : Const of market complex at Mardarajpur Chhak
Block : Nilgiri, Gram Panchayat : K.P.Lakharaj
Created By:BAIDYANATH SINGH

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		6.000	4.000	4.000	4.000	0.000	384.000	-
ii		1.000	76.020	1.000	1.000	0.000	76.020	-
iii		1.000	25.500	1.000	1.000	0.000	25.500	-
Total Quantity					485.52 Cft (Cubic Foot)		13.748372736 Cum (Cubic Meter)	
Amount					13.748372736 X 240.77592		3310.28	
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		6.000	4.000	4.000	0.330	0.000	31.680	-
ii		1.000	126.720	1.000	0.000	0.000	126.720	-
iii		1.000	76.020	1.000	0.330	0.000	25.087	-
iv		1.000	25.500	1.000	0.330	0.000	8.415	-
v		1.000	10.000	12.000	1.000	0.000	120.000	-
vi		1.000	10.000	11.000	1.000	0.000	110.000	-

vii		1.000	23.830	1.170	0.670	0.000	18.680	-	
Total Quantity					440.581937 Cft (Cubic Foot)		12.475870593642 Cum (Cubic Meter)		
Amount					12.475870593642 X 987.278232		12317.16		
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		6.000	4.000	4.000	0.330	0.000	31.680	-	
ii		1.000	76.020	1.000	0.330	0.000	25.087	-	
iii		1.000	25.500	1.000	1.250	0.000	31.875	-	
iv		2.000	1.170	1.000	1.250	0.000	2.925	-	
v		1.000	10.000	12.000	0.330	0.000	39.600	-	
vi		1.000	10.000	11.000	0.330	0.000	36.300	-	
vii		1.000	23.830	1.170	0.330	0.000	9.201	-	
Total Quantity					176.667363 Cft (Cubic Foot)		5.0026543845984 Cum (Cubic Meter)		
Amount					5.0026543845984 X 6296.62646226		31499.85		
4. 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.									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i		1.000	76.020	0.830	0.830	0.000	52.370	-	

ii		6.000	0.830	0.830	0.830	0.000	-	3.431
Total Quantity					48.939456 Cft (Cubic Foot)		1.3858087876608 Cum (Cubic Meter)	
Amount					1.3858087876608 X 5196.656602368		7201.57	
5. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		6.000	4.000	4.000	0.830	0.000	79.680	-
ii		6.000	0.830	0.830	3.000	0.000	12.400	-
iii		2.000	25.500	0.830	1.000	0.000	42.330	-
iv		3.000	10.000	0.830	1.000	0.000	24.900	-
v		6.000	0.830	0.830	9.000	0.000	37.201	-
vi		2.000	25.500	0.830	0.500	0.000	21.165	-
vii		3.000	10.000	0.830	0.500	0.000	12.450	-
viii		2.000	25.500	0.830	0.500	0.000	21.165	-
ix		3.000	10.000	0.830	0.500	0.000	12.450	-
x		3.000	2.500	0.830	0.500	0.000	3.113	-
xi		1.000	26.500	14.670	0.330	0.000	128.289	-
Total Quantity					395.14245 Cft (Cubic Foot)		11.18916972816 Cum (Cubic Meter)	
Amount					11.18916972816 X 6462.1097143202		72305.64	
6. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		6.000	4.000	0.830	3.000	0.000	59.760	-
ii		2.000	2.000	25.500	1.000	0.000	102.000	-
iii		2.000	3.000	10.000	1.000	0.000	60.000	-
Total Quantity					221.76 Sft (Square Foot)		20.60216928 Sqm (Square Meter)	
Amount					20.60216928 X 216.23489289764		4454.91	

7. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		6.000	4.000	0.830	9.000	0.000	179.280	-
ii		2.000	2.000	25.500	0.500	0.000	51.000	-
iii		2.000	3.000	10.000	0.500	0.000	30.000	-
iv		1.000	3.000	2.500	1.830	0.000	13.725	-
Total Quantity					274.005 Sft (Square Foot)		25.455886515 Sqm (Square Meter)	
Amount					25.455886515 X 1047.3822930467		26662.04	

8. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i		2.000	2.000	25.500	0.500	0.000	51.000	-
ii		2.000	3.000	10.000	0.500	0.000	30.000	-
Total Quantity					81 Sft (Square Foot)		7.525143 Sqm (Square Meter)	
Amount					7.525143 X 499.15267251462		3756.20	
9. 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		1.000	26.500	14.670	0.000	0.000	388.755	-
Total Quantity					388.755 Sft (Square Foot)		36.116505765 Sqm (Square Meter)	
Amount					36.116505765 X 662.689943368		23934.05	
10. 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		1.000	11.000	0.000	0.000	0.000	11.000	-
Total Quantity					11 Qntl (Quintal)		11 Qntl (Quintal)	
Amount					11 X 8657.3179493		95230.50	
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/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		2.000	25.500	0.830	9.000	0.000	380.970	-
ii		3.000	10.000	0.830	9.000	0.000	224.100	-
iii		2.000	6.000	0.830	7.000	0.000	-	69.720
iv		1.000	3.000	0.830	7.000	0.000	-	17.430
v		6.000	0.830	0.830	9.000	0.000	-	37.201
Total Quantity					480.7194 Cft (Cubic Foot)		13.61243510592 Cum (Cubic Meter)	
Amount					13.61243510592 X 5229.986602368		71192.85	

12. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	26.500	14.670	0.000	0.000	388.755	-
Total Quantity					388.755 Sft (Square Foot)		36.116505765 Sqm (Square Meter)	
Amount					36.116505765 X 273.5759198336		9880.61	

13. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	25.500	11.500	0.000	0.000	586.500	-
ii		2.000	11.670	11.500	0.000	0.000	268.410	-
iii		0.500	2.000	6.000	7.000	0.000	-	42.000

iv		0.500	1.000	3.000	7.000	0.000	-	10.500
Total Quantity					802.41 Sft (Square Foot)		74.54629623 Sqm (Square Meter)	
Amount					74.54629623 X 174.0884909452		12977.65	

14. 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	2.000	50.000	10.000	0.000	2000.000	-
ii		1.000	2.000	11.000	10.000	0.000	220.000	-
iii		1.000	2.000	12.000	10.000	0.000	240.000	-
iv		0.500	2.000	6.000	7.000	0.000	-	42.000
v		0.500	1.000	3.000	7.000	0.000	-	10.500
Total Quantity					2407.5 Sft (Square Foot)		223.6639725 Sqm (Square Meter)	
Amount					223.6639725 X 249.188244542		55734.43	

15. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping 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		1.000	10.000	11.000	0.000	0.000	110.000	-
ii		1.000	10.000	12.000	0.000	0.000	120.000	-
iii		1.000	26.500	2.500	0.000	0.000	66.250	-
iv		1.000	82.340	0.330	0.000	0.000	27.172	-

Total Quantity	323.4222 Sft (Square Foot)	30.0468926466 Sqm (Square Meter)
Amount	30.0468926466 X 191.3723797168	5750.15

16. 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		1.000	10.000	11.000	0.000	0.000	110.000	-
ii		1.000	10.000	12.000	0.000	0.000	120.000	-
iii		1.000	26.500	2.500	0.000	0.000	66.250	-

Total Quantity	296.25 Sft (Square Foot)	27.52251375 Sqm (Square Meter)
Amount	27.52251375 X 376.1514947452	10352.63

17. 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		1.000	66.000	6.000	0.000	0.000	396.000	-
ii		1.000	21.000	3.500	0.000	0.000	73.500	-

Total Quantity	469.5 Kg (Kilo Gram)	4.695 Qntl (Quintal)
Amount	4.695 X 15989.305373087	75069.79

18. Painting (AR0903a) : Painting two coats of enamel paint with a coat of wood primer in inner surface paint (Inside)

Painting two coats of enamel paint with a coat of wood primer in inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i		2.000	2.000	6.000	7.000	0.000	168.000	-
ii		1.000	2.250	3.000	7.000	0.000	47.250	-
Total Quantity					215.25 Sft (Square Foot)		19.99737075 Sqm (Square Meter)	
Amount					19.99737075 X 234.34919434323		4686.37	

19. Painting (AR0920a) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside)

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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	2407.500	0.000	0.000	0.000	2407.500	-
ii		1.000	323.420	0.000	0.000	0.000	323.420	-
Total Quantity					2730.92 Sft (Square Foot)		253.71066076 Sqm (Square Meter)	
Amount					253.71066076 X 163.77808061851		41552.25	

20. Painting (AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside)

Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer 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		1.000	802.410	0.000	0.000	0.000	802.410	-
Total Quantity					802.41 Sft (Square Foot)		74.54629623 Sqm (Square Meter)	
Amount					74.54629623 X 156.89114311851		11695.65	
Total Amount							579564.56	
Addition								

Provision for PH Work (+) @	
Provision for EI Work (+) @	9435.43
Provision for Contingency (+) @	6000.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	20435.43
Grand Net Total Amount	599999.99

BAIDYANATH SINGH
JE
Nilgiri Block

Sarat kumar Upadhyay
AEE
Nilgiri Block

Bikram Kishore Parida
BDO
Nilgiri Block