

Gyan Jyoti Primary School
Barpak -2 , Gorkha
Detail Cost Estimate



SN	Description	Unit	Qty	Rate	Amount	Remark
1.00	Room					
1.1	Excavation work in ordinary soil	m3	15.75	210.00	3,307.50	
1.2	Stone Soling	m3	16.80	980.00	16,464.00	
1.3	PCC(1:2:4 on foundation)	m3	2.80	8698.25	24,355.10	
1.4	Stone masonry in mud mortar	m3	48.00	1415.00	67,920.00	
1.5	Plastering(1:6 CM)	m2	140.00	188.26	26,355.70	
1.6	Wood for window and door frame	m3	0.13	5700.00	729.60	
1.7	Shutter for window and door	m2	4.16	363.00	1,510.08	
1.8	Wood for beam	m3	1.38	5700.00	7,888.91	
1.9	CGI Roofing	m2	48.00	711.60	34,156.80	
1.1	Paint on door and windows	m2	6.00	128.40	770.38	
			Sub Total		183,458.08	
2.00	Toilet					
2.1	Excavation work in ordinary soil	m3	13.44	210.00	2,822.40	
2.2	Stone Soling	m3	6.00	980.00	5,880.00	
2.3	PCC(1:2:4 on foundation)	m3	1.00	8698.25	8,698.25	
2.4	Stone masonry in mud mortar	m3	2.40	1415.00	3,396.00	
2.5	Plastering(1:6 CM)	m2	18.72	188.26	3,524.13	
2.6	Wood for window and door frame	m3	0.19	5700.00	1,094.40	
2.7	Shutter for window and door	m2	6.93	363.00	2,515.59	
2.8	Wood for beam	m3	0.57	5700.00	3,250.37	
2.9	CGI Roofing	m2	48.00	711.60	34,156.80	
2.1	Paint on door and windows	m2	4.00	128.40	513.59	
2.11	Toilet pan and accessories	set	3.00	6000.00	18,000.00	
			Sub total		83,851.53	
			Total		267,309.61	
In words : Two Lakhs Sixty Seven Thousands Three Hundreds Nine Rupees Sixty One Paisa						



*Designed by:-
En. Dinesh Shrestha
Modern Hydropower &
Energy Development
Pvt. Ltd.*

Rate of Materials and Labours

SN	Description	Rate	Unit	Remarks
1	Skilled Labor	300	MD	At Project Site
2	Unskilled Labor	300	MD	At Project Site
3	Sand	350	m3	From Daraudi khola
4	Stone	400	m3	From Project Site
5	Aggregate	450	m3	From project Site
6	Wood	1000	m3	In Local Froest
7	Cement	18000	MT	At Project side
8	White wash	120	kg	At Project side
9	Gum	235	kg	At Project side
10	Shutter	100	m2	In Local Froest
11	Reinforcement bar	110	kg	At nearest market
12	CGI Sheet	450	m2	At nearest market
16	Mesh wire	150	kg	At nearest market
17	Selvage Wire	150	kg	At nearest market
18	Binding Wire	165	kg	At nearest market
19	Enamel	342	lit	At nearest market
20	Primer	317	lit	At nearest market



RATE ANALYSIS

1.0 Description of items: Earthwork Excavation in ordinary soil					Unit	cu.m.
Sources	Level/Type	Unit	Quantity	Rate/unit	Cost	Total cost of each sources
Labour	Skilled				-	-
	Unskilled	nos.	0.70	300.00	210.00	210.00
Materials					-	-
Equipment						210.00
Total cost						210.00
Rate per unit					Unit	cu.m.
2.0 Description of items: P.C.C. in 1:2:4					Unit	cu.m.
Sources	Level/Type	Unit	Quantity	Rate/unit	Cost	Total cost of each sources
Labour	Skilled	nos.	1.50	300.00	450.00	450.00
	Unskilled	nos.	6.50	300.00	1,950.00	1,950.00
Materials	Aggregate	cu.m.	0.85	450.00	382.50	382.50
	cement	MT	0.32	18,000.00	5,760.00	5,760.00
	sand	cu.m.	0.45	350.00	155.75	155.75
Total cost						8,698.25
Rate per unit						8,698.25
3.0 Description of Item: 12.5mm Cement plaster in 1:6					unit	100 sq.m
Sources	Level/Type	Unit	Quantity	Rate/unit	cost	Total cost of each sources
Labour	i)skilled	nos.	19.00	300.00	5,700.00	5,700.00
	ii)unskilled	nos.	19.00	300.00	5,700.00	5,700.00
Materials	Cement	MT	0.38	18,000.00	6,876.00	6,876.00
	Sand	cu.m	1.57	350.00	549.50	549.50
Total Cost						18,825.50
Rate per Sq.M						188.26



4.0 Description of items: Wood work in Door/Window Chaukhat					Unit	1cu.m.
Sources	Level/Type	Unit	Quantity	Rate/unit	Cost	Total cost of each sources
Labour	Skilled	nos.	12.00	300.00	3,600.00	3,600.00
	Unskilled	nos.	3.00	300.00	900.00	900.00
Materials	Salwood	cu.m.	1.10	1,000.00	1,100.00	1,100.00
	Nails	LS	1.00		100.00	100.00
Equipment						-
Total cost						5,700.00
Rate per unit						5,700.00
5.0 Description of items: Sal wood door shutter					Unit	10 Sq.m.
Sources	Level/Type	Unit	Quantity	Rate/unit	Cost	Total cost of each sources
Labour	Skilled	nos.	6.00	300.00	1,800.00	1,800.00
	Unskilled	nos.	2.00	300.00	600.00	600.00
Materials	Salwood	sq.m	12.00	100.00	1,200.00	1,200.00
	Nails	LS	1.00		30.00	30.00
Equipment						LS
Total cost						3,630.00
Rate per sq.m.						363.00
6.0 Description of items: Stone masonry work in mud mortar					Unit	cu.m.
Sources	Level/Type	Unit	Quantity	Rate/unit	Cost	Total cost of each sources
Labour	Skilled	nos.	1.00	300.00	300.00	300.00
	Unskilled	nos.	2.25	300.00	675.00	675.00
Materials	Stone	cu.m.	1.10	400.00	440.00	440.00
Equipment						-
Total cost						1,415.00
Rate per unit						1,415.00
7.0 Description of items: Painting on door and windows					Unit	100m2
Sources	Level/Type	Unit	Quantity	Rate/unit	Cost	Total cost of each sources
Labour	Skilled	nos.	8.00	300.00	2,400.00	2,400.00
	Unskilled	nos.	8.00	300.00	2,400.00	2,400.00
Materials	Primer	lit	8.10	317.00	2,567.70	2,567.70
	Enamel	lit	16.00	342.00	5,472.00	5,472.00
Equipment						-
Total cost						12,839.70
Rate per unit						12,839.70
Rate per m2						128.40



8.0 Description of items: CGI Roofing (26 gauge)					Unit	10m2
Sources	Level/Type	Unit	Quantity	Rate/unit	Cost	Total cost of each sources
Labour	Skilled	nos.	3.00	300.00	900.00	900.00
	Unskilled	nos.	2.50	300.00	750.00	750.00
Materials	CGI Sheet	m2	12.00	450.00	5,400.00	5,400.00
	Nut/bolt	nos.	30.00	2.20	66.00	66.00
Equipment					-	-
Total cost						7,116.00
Rate per unit						7,116.00
Rate per m2						711.60



