

## Rate Analysis Sheet for wall masonry and Plaster work

Wall Area: 100 Sq. Ft

4" AAC Wall Replacing 4" Brick Wall									
For AAC Block (4" wall)					For Red clay Bricks (4" wall)				
A. Labours	Unit	Quantity	Unit Price	Total	A. Labours	Unit	Quantity	Unit Price	Total
1. Skilled	MD	1.10	1185	1303.50	1. Skilled	MD	1.90	1185	2251.50
2. Semi Skilled	MD	1.00	980	980.00	2. Semi Skilled	MD	2.36	980	2312.80
3. Unskilled	MD	0.10	870	87.00	3. Unskilled	MD	0.15	870	130.50
Sub-Total A				2370.50	Sub-Total A				4694.80
<b>B. Materials</b>					<b>B. Materials</b>				
1. AAC Blocks (100x200x600)	Nos.	69.00	150	10350.00	1. Red Clay Bricks (55x110x230)	Nos.	514.00	18	9252.00
2. AAC Mortar	BAG	1.00	1300	1300.00	2. Cement including transportation	BAG	1.33	850	1130.50
3. Sand	CBM			0.00	3. Sand	CBM	0.22	4000	880.00
Sub-Total B				11650.00	Sub-Total B				11262.50
<b>C. Plant/Equipments</b>					<b>C. Plant/Equipments</b>				
1. Concrete mixer machine				0.00	1. Concrete mixer machine	HR	0.00		0.00
2. Scaffolding/Platform cost	Lumpsum	1.66	56	92.96	2. Scaffolding/Platform cost	Lumpsum	1.66	56	92.96
3. Other Misc Tools	Lumpsum	1.66	200	332.00	3. Other Misc Tools	Lumpsum	1.66	200	332.00
4. Safety Tools	Lumpsum	0.00		0.00	4. Safety Tools	Lumpsum	0.00		0.00
Sub-Total C				424.96	Sub-Total C				424.96
<b>D. Other Items</b>					<b>D. Other Items</b>				
AAC blocks transportation	Lumpsum	1		0.00	AAC blocks transportation 1CBM	Lumpsum	1		0.00
Water arrangement	Lumpsum	1		0.00	Water arrangement	Lumpsum	1		0.00
Sub-Total D				0.00	Sub-Total D				0.00
<b>E. Plaster</b>					<b>E. Plaster</b>				
Plaster Both Side (10+12mm)					Plaster Both Side (15mm+20mm)				
Cement	Bag	1.50	750	1125.00	Cement	Bag	2.25	750	1687.50
Sand	CBM	0.25	4000	1000.00	Sand	CBM	0.43	4000	1720.00
Manpower cost	Per sq. ft.	200.00	30	6000.00	Manpower cost	Per sq. ft.	200.00	30	6000.00
Sub-Total E				8125.00	Sub-Total E				9407.50
E. TOTAL A+B+C+D+E				22570.46	E. TOTAL A+B+C+D+E				25789.76

Cost Saving

14%

Cost Saving

No

### 6'' AAC Wall Replacing 9'' Brick Wall

For AAC Block (6'' wall)				
A. Labours	Unit	Quantity	Unit Price	Total
1. Skilled	MD	1.17	1185	1386.45
2. Semi Skilled	MD	1.50	980	1470.00
3. Unskilled	MD	0.18	870	156.60
Sub-Total A				3013.05
B. Materials				
1. AAC Blocks (150x200x600)	Nos.	69.00	225	15525.00
2. AAC Mortar	BAG	1.50	1300	1950.00
3. Sand	CBM			0.00
Sub-Total B				17475.00
C. Plant/Equipments				
1. Concrete mixer machine				0.00
2. Scaffolding/Platform cost	Lumpsum	1.66	56	92.96
3. Other Misc Tools	Lumpsum	1.66	200	332.00
4. Safety Tools	Lumpsum	1.66	75	124.50
Sub-Total C				549.46
D. Other Items				
AAC blocks transportation	Lumpsum	1		0.00
Water arrangement	Lumpsum	1		0.00
Sub-Total D				0.00
E. Plaster				
Plaster Both Side (10+12mm)				
Cement	Bag	1.50	750	1125.00
Sand	CBM	0.25	4000	1000.00
Manpower cost	Per sq. ft.	200.00	30	6000.00
Sub-Total E				8125.00
E. TOTAL A+B+C+D+E				29162.51

Cost Saving

42%

For Red clay Bricks (9'' wall)				
A. Labours	Unit	Quantity	Unit Price	Total
1. Skilled	MD	2.50	1185	2962.50
2. Semi Skilled	MD	3.70	980	3626.00
3. Unskilled	MD	0.30	870	261.00
Sub-Total A				6849.50
B. Materials				
1. Red Clay Bricks (55x110x230)	Nos.	1141.00	18	20538.00
2. Cement including transportation	BAG	2.95	750	2212.50
3. Sand	CBM	0.49	4000	1956.00
Sub-Total B				24706.50
C. Plant/Equipments				
1. Concrete mixer machine	HR	0.00		0.00
2. Scaffolding/Platform cost	Lumpsum	1.66	56	92.96
3. Other Misc Tools	Lumpsum	1.66	200	332.00
4. Safety Tools	Lumpsum	1.66	75	124.50
Sub-Total C				549.46
D. Other Items				
AAC blocks transportation 1CBM	Lumpsum	1		0.00
Water arrangement	Lumpsum	1		0.00
Sub-Total D				0.00
E. Plaster				
Plaster Both Side (15mm+20mm)				
Cement	Bag	2.25	750	1687.50
Sand	CBM	0.43	4000	1720.00
Manpower cost	Per sq. ft.	200.00	30	6000.00
Sub-Total E				9407.50
E. TOTAL A+B+C+D+E				41512.96

Cost Saving

No

### 8" AAC wall Replacing 9" Brick wall

For AAC Block (8" wall)				
A. Labours	Unit	Quantity	Unit Price	Total
1. Skilled	MD	1.30	1185	1540.50
2. Semi Skilled	MD	1.75	980	1715.00
3. Unskilled	MD	0.20	870	174.00
Sub-Total A				3429.50
B. Materials				
1. AAC Blocks (200x200x600)	Nos.	69.00	300	20700.00
2. AAC Mortar	BAG	2.00	1300	2600.00
3. Sand	CBM			0.00
Sub-Total B				23300.00
C. Plant/Equipments				
1. Concrete mixer machine				0.00
2. Scaffolding/Platform cost	Lumpsum	1.66	56	92.96
3. Other Misc Tools	Lumpsum	1.66	200	332.00
4. Safety Tools	Lumpsum	0.00		0.00
Sub-Total C				424.96
D. Other Items				
AAC blocks transportation	Lumpsum	1		0.00
Water arrangement	Lumpsum	1		0.00
Sub-Total D				0.00
E. Plaster				
Plaster Both Side (10+12mm)				
Cement	Bag	1.50	750	1125.00
Sand	CBM	0.25	4000	1000.00
Manpower cost	Per sq. ft.	200.00	30	6000.00
Sub-Total E				8125.00
E. TOTAL A+B+C+D+E				35279.46

For Red clay Bricks (9" wall)				
A. Labours	Unit	Quantity	Unit Price	Total
1. Skilled	MD	2.50	1185	2962.50
2. Semi Skilled	MD	3.70	980	3626.00
3. Unskilled	MD	0.30	870	261.00
Sub-Total A				6849.50
B. Materials				
1. Red Clay Bricks (55x110x230)	Nos.	1141.00	18	20538.00
2. Cement including transportation	BAG	2.95	850	2507.50
3. Sand	CBM	0.49	4000	1956.00
Sub-Total B				25001.50
C. Plant/Equipments				
1. Concrete mixer machine	HR	0.00		0.00
2. Scaffolding/Platform cost	Lumpsum	1.66	56	92.96
3. Other Misc Tools	Lumpsum	1.66	200	332.00
4. Safety Tools	Lumpsum	0.00		0.00
Sub-Total C				424.96
D. Other Items				
AAC blocks transportation 1CBM	Lumpsum	1		0.00
Water arrangement	Lumpsum	1		0.00
Sub-Total D				0.00
E. Plaster				
Plaster Both Side (15mm+20mm)				
Cement	Bag	2.25	750	1687.50
Sand	CBM	0.43	4000	1720.00
Manpower cost	Per sq. ft.	200.00	30	6000.00
Sub-Total E				9407.50
E. TOTAL A+B+C+D+E				41683.46

Cost Saving

18%

Cost Saving

No

\* Rates are taken from approved Jilla Dar rate of Kathmandu district for FY 2079-80.