GoN/MoE

Department of Education

District Education Office

Lalitpur

DETAILED QUANTITY and COST ESTIMATE

F/Y : 2072/073

Project : Exist Steel Truss Block (2 classroom) Rehabilation work
Location: Santi Primary School Ikudol, Lalitpur.

S.No.	Description of works	No	Length	Breadth	Height	Quantity	Unit	Rate	Amount
1	Stone masonry work in Cement mortar c/s 1:6								
	Long wall	2	14,850	0,400	2,100	24,95			
	Short wall	3	5,800	0,400	2,100	14,62			
	Buttresses	14	0,400	0,300	2,650	4,45			
		2	0,400	0,300	3,950	0,95			
	Gabel wall (3x1/2x6.7x1.3)	3	6,700	0,400	0,650	5,23			
					Sub total	**50,19**			
	Deduction								
	Doors								
	D	2	1,100	0,400	2,100	1,85			
	D1	2	0,900	0,400	2,100	1,51			
	Windows	12	0,900	0,400	1,350	5,83			
					Sub total	**9,19**			
					Total	**41,00**	**Cum.**	9038,66	370566,98
2	PCC (1:2:4) R.C.C Work								
	For Sill Band (Below window Level) Throughout								
	Short wall	3	5,800	0,400	0,075	0,52			
	Long wall	2	14,850	0,400	0,075	0,89			
	Deduct for Door								
	D	-2	1,100	0,400	0,075	-0,07			
	D1	-2	0,900	0,400	0,075	-0,05			
	For Stichings (Between Sill & Lintel Band)								
	Corners(4*2)	8	1,350	0,400	0,075	0,32			
	Partations(2*2)	4	2,250	0,400	0,075	0,27			
	For Lintel Band (Above window Level) Throughout								
	Short wall	3	5,800	0,400	0,150	1,04			
	Long wall	2	14,850	0,400	0,150	1,78			
	For Gable Band on Short Wall	3	6,700	0,400	0,075	0,60			
					Total	**5,32**	**Cum.**	13140,20	69853,30
3	Form work								
	For Sill Band (Below window Level) Throughout								
	Long wall(2X2)	4	14,850		0,075	4,46			
	Short wall(2X3)	6	5,800		0,075	2,61			
	Buttresses	16	1,000		0,075	1,20			
	For Stichings (Between Sill & Lintel Band)								
	Corners(4*2)	16	1,350		0,075	1,62			
	Partations(2*2)	8	2,250		0,075	1,35			
	For Lintel Band (Above window Level) Throughout								
	Short wall (2x3)	6	5,800		0,075	2,61			
	Long wall (2x2)	4	14,850		0,075	4,46			
	Gabel band (3x2)	6	6,700		0,075	3,02			
					Total	**21,32**	**Sq.m.**	822,24	17526,05
4	Flush rulled pointing 1:3 out side								
	Long wall	2	14,850		2,100	62,37			
	Short wall	3	5,800		2,100	36,54			
	Buttresses	14	0,600		2,650	22,26			
		2	0,600		3,950	4,74			
	Gabel wall (3x1/2x6.7x1.3)	3	6,700		0,650	13,07			
	Deduction								
	Doors								
	D	-2	1,100		2,100	-4,62			
	D1	-2	0,900		2,100	-3,78			
	Windows	-12	0,900		1,350	-14,58			
					Total	**116,00**	**Sq.m.**	226,83	26311,15
5	Reinforcement								
	a)10mm dia bar (.61kg/m)								
	For Sill Band (Below window Level) Throughout - 3 nos.								

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S.No.	Description of works	No	Length	Breadth	Height	Quantity	Unit	Rate	Amount
	Long wall 2*3	6	13,450		80,700	49,23			
	Short wall 3*3	9	5,800		52,200	31,84			
	For Stichings (Between Sill & Lintel Band)								
	Corners(4*2*3)	24	1,350		32,400	19,76			
	Partations(2*2*3)	12	2,250		27,000	16,47			
	For Lintel Band (Above window Level) Throughout								
	Long wall 2*6	12	15,45		185,400	113,09			
	Short wall 3*6	18	5,80		104,400	63,68			
	For gable band on Short Wall 3*3	9	6,70		60,300	36,78			
					Sub total	**330,86**			
	b) 4.75mm dia bar(.132kg/m)- 150mm c/c								
	For Sill Band	295	0,500		147,667	19,49			
	For Stitching	132	0,500		66,000	8,71			
	For Lintel Band	322	1,000		322,000	42,50			
	For gable Band	134	0,500		67,000	8,84			
					Sub total	**79,55**			
					Total	**410,42**	**kg.**	106,29	43623,12
6	20mm 1:4 c/s plaster inside								
	Room	4	6,750	2,250		60,75			
		4	5,800	2,250		52,20			
	Triangular portion of gabel wall	4	6,770	0,650		17,60			
	Sides of opening								
	D vertical (2x2)	4	0,400	2,100		3,36			
	Horizontal (2x1)	2	0,400	1,100		0,88			
	D1 vertical (2x2)	4	0,400	2,100		3,36			
	Horizontal (2x1)	2	0,400	0,900		0,72			
	W vertical (2x2)	24	0,400	1,350		12,96			
	Horizontal (2x2)	12	0,400	0,900		4,32			
	Deduction of openning								
	D	-2	1,100	2,100		-4,62			
	D1	-2	0,900	2,100		-3,78			
	W	-12	0,900	1,350		-14,58			
					Total	**133,17**	**Sq.m.**	412,59	54945,44
7	Distemper paint on wall								
	Same as item of Pointing & Plaster					249,17			
					Total	**249,17**	**Sq.m.**	130,58	32536,23
8	**Flooring Work**								
a	Stone soling work								
	Room	2	6,75	5,80	0,15	11,75			
	Verandah	1	14,05	0,80	0,15	1,69			
					Total	**13,43**	**Cum.**	3021,63	40583,51
b	PCC 1:2:4- 50mm thick								
	Room	2	6,75	5,80		78,30			
	Verandah	1	14,05	0,8		11,24			
					Total	**89,54**	**Cum.**	683,13	61167,46
c	Plaster work c/S 1:4								
	Room	2	6,75	5,80		78,30			
	Verandah	1	14,05	0,80		11,24			
					Total	**89,54**	**Sq.m.**	314,65	28173,76
d	3 mm cement Punning work c/s 1:1								
	Room	2	6,75	5,80		78,30			
	Verandah	1	14,05	0,80		11,24			
					Total	**89,54**	**Sq.m.**	198,42	17766,53
								TOTAL	745286,99
								Add Material Transportation Amount NRs.	50000,00
								Total Estimate Amount NRs.	795286,99