

Detailed Estimate

OD/367/3523/120600/406119/00071575 : KARABARA PRIMARY SCHOOL DEVELOPMENT

Block : Bhapur, Gram Panchayat : Karabara

Created By:Gayatri Khatua

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	column	10.000	1.200	1.200	1.200	0.000	17.280	-
ii	lw	2.000	12.250	0.750	0.750	0.000	13.781	-
iii	sw	2.000	5.450	0.750	0.750	0.000	6.131	-
iv	column	10.000	1.200	0.750	0.750	0.000	-	6.750
Total Quantity					30.4425 cum (cum)		30.4425 Cum (Cubic Meter)	
Amount					30.4425 X 240.77592		7329.82	
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	column	10.000	1.200	1.200	0.150	0.000	2.160	-
ii	lw	2.000	12.250	0.750	0.100	0.000	1.838	-
iii	sw	2.000	5.450	0.750	0.100	0.000	0.818	-
iv	room	1.000	11.200	5.400	0.450	0.000	27.216	-
v	column	10.000	1.200	0.750	0.150	0.000	-	1.350
Total Quantity					30.681 cum (cum)		30.681 Cum (Cubic Meter)	

Amount		30.681 X 793.933932					24358.69	
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	column	10.000	1.200	1.200	0.150	0.000	2.160	-
ii	lw	2.000	11.250	0.750	0.100	0.000	1.688	-
iii	sw	2.000	5.400	0.750	0.100	0.000	0.810	-
iv	room	1.000	11.200	5.400	0.100	0.000	6.048	-
v	column	10.000	1.200	0.750	0.150	0.000	-	1.350
Total Quantity					9.3555 cum (cum)		9.3555 Cum (Cubic Meter)	
Amount		9.3555 X 5275.71033984					49356.91	
4. 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	10.500	0.000	0.000	0.000	0.000	10.500	-
Total Quantity					10.5 Qntl (Quintal)		10.5 Qntl (Quintal)	
Amount		10.5 X 8641.0649283					90731.18	
5. R.C.C. Work (AR0404B) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9).								
R.C.C. work of M-20 grade with 20mm & downgrade 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(Nominal mix as per IS-456, Table-9).								

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	10.000	1.200	1.200	0.300	0.000	4.320	-
ii	pedestal	10.000	0.450	0.450	0.450	0.000	0.911	-
iii	column upto plinth	10.000	0.250	0.250	0.750	0.000	0.469	-
iv	lw	2.000	11.750	0.250	0.250	0.000	1.469	-
v	sw	2.000	5.450	0.250	0.250	0.000	0.681	-
vi	column upto lintel	10.000	0.250	0.250	2.900	0.000	1.813	-
vii	lintel	2.000	11.750	0.250	0.150	0.000	0.881	-
viii		2.000	5.450	0.250	0.150	0.000	0.409	-
Total Quantity					10.9525 cum (cum)		10.9525 Cum (Cubic Meter)	
Amount					10.9525 X 5478.8267531168		60006.85	
6. 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	lw	2.000	12.250	0.500	0.400	0.000	4.900	-
ii	sw	2.000	4.950	0.500	0.400	0.000	1.980	-
iii	column	10.000	0.250	0.250	1.150	0.000	-	0.719
iv	lw	2.000	12.250	0.250	0.750	0.000	4.594	-
v	sw	2.000	4.950	0.250	0.750	0.000	1.856	-
Total Quantity					12.61125 cum (cum)		12.61125 Cum (Cubic Meter)	

Amount			12.61125 X 4960.604850712				62559.43	
7. 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	lw	2.000	11.750	0.250	3.050	0.000	17.919	-
ii	sw	2.000	5.450	0.250	3.050	0.000	8.311	-
iii	column	10.000	0.250	0.250	3.050	0.000	-	1.906
iv	opening	4.000	3.650	0.250	1.200	0.000	-	4.380
v	opening	1.000	2.100	0.250	2.100	0.000	-	1.103
vi	door	1.000	1.500	0.250	2.100	0.000	-	0.788
vii	door	2.000	1.200	0.250	2.100	0.000	-	1.260
Total Quantity					16.79375 cum (cum)		16.79375 Cum (Cubic Meter)	
Amount			16.79375 X 5098.040600712				85615.22	
8. 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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column base	10.000	1.800	0.000	0.450	0.000	8.100	-
ii		10.000	1.000	0.000	0.750	0.000	7.500	-
iii	plinth	4.000	11.750	0.000	0.250	0.000	11.750	-

iv		4.000	5.450	0.000	0.250	0.000	5.450	-	
Total Quantity					32.8 Sqm (Sqm)		32.8 Sqm (Square Meter)		
Amount					32.8 X 216.23489289764		7092.50		
9. 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									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	column	10.000	1.000	0.000	2.100	0.000	21.000	-	
Total Quantity					21 Sqm (Sqm)		21 Sqm (Square Meter)		
Amount					21 X 1047.3822930467		21995.03		
10. 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									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	lintel	4.000	11.250	0.000	0.150	0.000	6.750	-	
ii		4.000	5.400	0.000	0.150	0.000	3.240	-	
Total Quantity					9.99 Sqm (Sqm)		9.99 Sqm (Square Meter)		
Amount					9.99 X 499.15267251462		4986.54		
11. 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	frame /truss	7.890	0.000	0.000	0.000	0.000	7.890	-	

Total Quantity	7.89 Qntl (Quintal)	7.89 Qntl (Quintal)
Amount	7.89 X 15973.749353087	126032.88
Total Amount		540065.05
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		5515.00
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		10515.00
Grand Net Total Amount		550580.05

Gayatri Khatua
JE
Bhapur Block

Ritimukta Swain
AEE
Bhapur Block

SARADA PRASANNA PANDA
BDO
Bhapur Block