

Detailed Estimate

OD/367/3523/120593/406127/00111498 : Construction of market Complex at Bhapur
Block : Bhapur, Gram Panchayat : Bhapur
Created By: Santosh Kumar Mallick

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	10.000	1.200	1.200	1.200	0.000	17.280	-
ii	wall	1.000	57.900	0.750	0.900	0.000	39.083	-
iii	deduction	10.000	1.200	0.750	0.900	0.000	-	8.100
Total Quantity						48.2625 cum (cum)	48.2625 Cum (Cubic Meter)	
Amount						48.2625 X 240.77592	11620.45	
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.								
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	wall	1.000	57.900	0.750	0.150	0.000	6.514	-
iii	room	4.000	3.500	2.800	0.700	0.000	27.440	-
iv	ver	1.000	12.400	0.950	0.700	0.000	8.246	-
v	deduct	10.000	1.200	0.750	0.150	0.000	-	1.350
Total Quantity						43.00975 cum (cum)	43.00975 Cum (Cubic Meter)	
Amount						43.00975 X 793.933932	34146.90	
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	column	10.000	1.200	1.200	0.150	0.000	2.160	-	
ii	wall	1.000	57.900	0.750	0.150	0.000	6.514	-	
iii	room	4.000	3.500	2.800	0.125	0.000	4.900	-	
iv	ver	1.000	12.400	0.950	0.125	0.000	1.473	-	
v	deduct	10.000	1.200	0.750	0.150	0.000	-	1.350	
Total Quantity							13.69625 cum (cum)	13.69625 Cum (Cubic Meter)	
Amount							13.69625 X 5275.71033984	72257.45	

4. Masonry Stone Work (AR0717) : Laterite stone masonry

Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	wall	1.000	57.900	0.600	0.300	0.000	10.422	-	
ii	wall	1.000	57.900	0.250	0.900	0.000	13.028	-	
iii	deduct	10.000	0.750	0.600	0.300	0.000	-	1.350	
iv	deduct	10.000	0.250	0.250	0.900	0.000	-	0.563	
Total Quantity							21.537 cum (cum)	21.537 Cum (Cubic Meter)	
Amount							21.537 X 5672.306946112	122164.47	

5. R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

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	column	10.000	0.750	0.750	0.300	0.000	1.688	-
iii	clumn	10.000	0.250	0.250	1.200	0.000	0.750	-
Total Quantity					6.7575 cum (cum)		6.7575 Cum (Cubic Meter)	
Amount					6.7575 X 5803.1790924633		39214.98	

6. R.C.C. Work (AR0404Ab) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth	1.000	57.900	0.250	0.300	0.000	4.343	-
ii	column	10.000	0.250	0.250	0.300	0.000	-	0.188
Total Quantity					4.155 cum (cum)		4.155 Cum (Cubic Meter)	
Amount					4.155 X 6560.001217605		27256.81	

7. R.C.C. Work (AR0404Ac) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	10.000	0.250	0.250	3.000	0.000	1.875	-
ii	roof band	1.000	42.500	0.250	0.200	0.000	2.125	-
iii	roof beam	5.000	1.200	0.250	0.250	0.000	0.375	-
iv	deduct	10.000	0.250	0.250	0.200	0.000	-	0.125
Total Quantity					4.25 cum (cum)		4.25 Cum (Cubic Meter)	
Amount					4.25 X 13858.932479783		58900.46	

8. R.C.C. Work (AR0404Bd) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Lintels)(Nominal mix as per IS-456, Table-9).

Reinforced cement concrete 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)(Nominal mix as per IS-456, Table-9).

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	lintel	1.000	30.000	0.250	0.150	0.000	1.125	-	
ii	lintel frontm	1.000	12.500	0.250	0.250	0.000	0.781	-	
iii	deduct	5.000	0.250	0.250	0.150	0.000	-	0.047	
iv	column	5.000	0.250	0.250	0.250	0.000	-	0.078	
Total Quantity							1.78125 cum (cum)	1.78125 Cum (Cubic Meter)	
Amount							1.78125 X 12467.463320994	22207.67	

9. R.C.C. Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).

Reinforced cement concrete 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	slab	1.000	12.800	5.300	0.125	0.000	8.480	-	
Total Quantity							8.48 cum (cum)	8.48 Cum (Cubic Meter)	
Amount							8.48 X 12105.063496853	102650.94	

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	rod	1.000	25.000	0.000	0.000	0.000	25.000	-	
Total Quantity							25 Qntl (Quintal)	25 Qntl (Quintal)	

Amount		25 X 8641.0649283					216026.62	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	42.500	0.250	3.000	0.000	31.875	-
ii	wall	2.000	1.200	0.250	3.000	0.000	1.800	-
iii	deduct concrete	5.656	0.000	0.000	0.000	0.000	-	5.656
iv	door	4.000	2.000	0.250	2.100	0.000	-	4.200
v	sky light	4.000	0.300	0.250	0.300	0.000	-	0.090
Total Quantity					23.729 cum (cum)		23.729 Cum (Cubic Meter)	
Amount					23.729 X 5045.987725712		119736.24	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab area	1.000	12.800	5.300	0.000	0.000	67.840	-
Total Quantity					67.84 Sqm (Sqm)		67.84 Sqm (Square Meter)	
Amount					67.84 X 266.6490033824		18089.47	
13. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	4.000	3.500	2.800	0.000	0.000	39.200	-

ii	ver	1.000	12.050	1.200	0.000	0.000	14.460	-
iii	beam	4.000	1.200	0.250	0.000	0.000	1.200	-
iv	side	2.000	12.500	0.125	0.000	0.000	3.125	-
v	side	2.000	5.200	0.125	0.000	0.000	1.300	-
Total Quantity					59.285 Sqm (Sqm)		59.285 Sqm (Square Meter)	
Amount					59.285 X 188.4844396912		11174.30	

14. 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	door	4.000	2.000	2.100	0.000	50.000	840.000	-
Total Quantity					840 Kg (Kilo Gram)		8.4 Qntl (Quintal)	
Amount					8.4 X 15973.749353087		134179.49	

Total Amount (A) : 989626.26

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.10000	-	10000
2	Display Citizen Board @ Rs.373	-	373

Additional Components Amount (F) : 10373

Grand Total Amount (A + F) : 999999.25743407

Santosh Kumar Mallick
JE
Bhapur Block

Ritimukta Swain
AEE
Bhapur Block

SARADA PRASANNA PANDA
BDO
Bhapur Block