

Detailed Estimate

OD/365/3487/120063/390666/00065132 : CONSTRUCTION OF MARKET COMPLEX IN FRONT OF FIRE STATION OF VILLAGE GUHALDIHI UNDER SUHAGPUR GP
Block : Badasahi, Gram Panchayat : Suhagpur
Created By:GAGAN KUMAR MALLIK

1. 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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	6.000	4.000	2.000	0.830	0.000	39.840	-
ii	col	6.000	4.000	1.250	2.660	0.000	79.800	-
iii	g beam	2.000	68.000	0.830	0.000	0.000	112.880	-
Total Quantity					232.52 Sft (Square Foot)		21.60180556 Sqm (Square Meter)	
Amount					21.60180556 X 216.70813962884		4681.29	
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	col	6.000	4.000	4.000	0.500	0.000	48.000	-
ii	wall	1.000	68.000	1.500	0.330	0.000	33.660	-
iii	wall	2.000	10.000	9.000	2.000	0.000	360.000	-
iv	wall	1.000	20.500	1.500	0.330	0.000	10.148	-
v	ver	2.000	2.160	1.500	0.330	0.000	2.138	-
vi	v	1.000	20.500	2.160	2.000	0.000	88.560	-

vii	col	6.000	1.500	1.500	0.330	0.000	-	4.455
Total Quantity					538.0509 Cft (Cubic Foot)		15.23587972512 Cum (Cubic Meter)	
Amount					15.23587972512 X 1720.629132		26215.30	

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	col	6.000	4.000	4.000	0.500	0.000	48.000	-
ii	wall	1.000	68.000	1.500	0.330	0.000	33.660	-
iii	room	2.000	10.000	9.000	0.330	0.000	59.400	-
iv	v wall	1.000	20.500	1.500	0.330	0.000	10.148	-
v	verhanda	2.000	2.160	1.500	0.330	0.000	2.138	-
vi	step	1.000	20.500	3.000	0.330	0.000	20.295	-
vii	col	6.000	1.500	1.500	0.330	0.000	-	4.455
Total Quantity					169.1859 Cft (Cubic Foot)		4.79080329312 Cum (Cubic Meter)	
Amount					4.79080329312 X 6753.5835438		32355.09	

4. 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/cm² 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	l wall	2.000	20.500	0.830	9.500	0.000	323.285	-

ii	s wall	3.000	9.000	0.830	9.500	0.000	212.895	-
iii	shutter	2.000	6.500	0.830	7.000	0.000	-	75.530
Total Quantity					460.65 Cft (Cubic Foot)		13.04413392 Cum (Cubic Meter)	
Amount					13.04413392 X 5699.56277864		74345.86	

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	col foundation	6.000	4.000	4.000	0.830	0.000	79.680	-
ii	col	6.000	2.000	2.000	1.000	0.000	24.000	-
iii	col	6.000	0.830	0.830	1.500	0.000	6.200	-
iv	g beam	1.000	68.000	0.830	0.830	0.000	46.845	-
v	col	6.000	0.830	0.830	9.000	0.000	37.201	-
vi	w beam	1.000	68.000	0.830	0.500	0.000	28.220	-
vii	cantiliver	3.000	3.000	0.830	0.830	0.000	6.200	-
viii	lintei	1.000	68.000	0.830	0.500	0.000	28.220	-
ix	slab	1.000	21.500	14.660	0.330	0.000	104.013	-
Total Quantity					360.5787 Cft (Cubic Foot)		10.21043493216 Cum (Cubic Meter)	
Amount					10.21043493216 X 7307.9907604893		74617.76	

6. 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	col	6.000	4.000	0.830	9.500	0.000	189.240	-
ii	canti	3.000	2.000	3.000	0.830	0.000	14.940	-
iii	w beam	1.000	2.000	68.000	0.500	0.000	68.000	-
Total Quantity					272.18 Sft (Square Foot)		25.28633854 Sqm (Square Meter)	
Amount					25.28633854 X 1048.946881161		26524.03	

7. 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	2.000	68.000	0.500	0.000	0.000	68.000	-
Total Quantity					68 Sft (Square Foot)		6.317404 Sqm (Square Meter)	
Amount					6.317404 X 500.42561591462		3161.39	

8. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas

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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	21.500	14.660	0.000	0.000	315.190	-
ii	wall	1.000	68.000	0.830	0.000	0.000	-	56.440
Total Quantity					258.75 Sft (Square Foot)		24.03865125 Sqm (Square Meter)	

Amount		24.03865125 X 664.51849854133		15974.13				
9. 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	hysd bar	9.500	0.000	0.000	0.000	0.000	9.500	-
Total Quantity					9.5 Qntl (Quintal)		9.5 Qntl (Quintal)	
Amount					9.5 X 8428.8790379		80074.35	
10. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.								
16mm thick cement Plaster in CM (1:6) over brick 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	4.000	10.000	10.000	0.000	0.000	400.000	-
ii	hall	4.000	9.000	10.000	0.000	0.000	360.000	-
iii	below plinth	1.000	68.000	2.000	0.000	0.000	136.000	-
iv	shutter	2.000	6.500	7.000	0.000	0.000	-	91.000
Total Quantity					805 Sft (Square Foot)		74.786915 Sqm (Square Meter)	
Amount					74.786915 X 265.86739646		19883.40	
11. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside								
12mm thick cement plster (1:6) over Brick 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	l wall	2.000	20.500	10.000	0.000	0.000	410.000	-	
ii	wall	2.000	11.660	10.000	0.000	0.000	233.200	-	
iii	shutter	2.000	6.500	7.000	0.000	0.000	-	91.000	
Total Quantity					552.2 Sft (Square Foot)		51.3010366 Sqm (Square Meter)		
Amount					51.3010366 X 187.985108296		9643.83		

12. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	room	2.000	10.000	9.000	0.000	0.000	180.000	-	
ii	verhanda	1.000	20.500	3.000	0.000	0.000	61.500	-	
Total Quantity					241.5 Sft (Square Foot)		22.4360745 Sqm (Square Meter)		
Amount					22.4360745 X 390.767726996		8767.29		

13. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	shutter	4.000	0.000	0.000	0.000	0.000	4.000	-	
Total Quantity					4 Qntl (Quintal)		4 Qntl (Quintal)		
Amount					4 X 15771.744505087		63086.98		

14. Painting (AR0920bk) : Finishing wall two coats with plastic emulsion paint of approved shades with one coat water bound Primer on new work (Inside)(For repair and maintenance) .

Finishing wall two coats with plastic emulsion paint of approved shades with one coat waterbound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	4.000	10.000	10.000	0.000	0.000	400.000	-
ii	hall	4.000	9.000	10.000	0.000	0.000	360.000	-
iii	outside	2.000	20.500	10.000	0.000	0.000	410.000	-
iv	outer	2.000	11.660	10.000	0.000	0.000	233.200	-
v	ceilling	2.000	10.000	9.000	0.000	0.000	180.000	-
vi	celling	1.000	20.500	3.000	0.000	0.000	61.500	-
Total Quantity					1644.7 Sft (Square Foot)		152.7975641 Sqm (Square Meter)	
Amount					152.7975641 X 169.05399611528		25831.04	

15. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.

Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	shutter	2.000	6.500	7.000	0.000	0.000	91.000	-
Total Quantity					91 Sft (Square Foot)		8.454173 Sqm (Square Meter)	
Amount					8.454173 X 66.12545887751		559.04	

16. 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	col	6.000	4.000	4.000	4.000	0.000	384.000	-
ii	wall	1.000	68.000	1.500	1.500	0.000	153.000	-

iii	v wall	1.000	20.500	1.500	1.500	0.000	46.125	-	
iv	wall	2.000	2.160	1.500	1.500	0.000	9.720	-	
v	col	6.000	4.000	1.500	2.000	0.000	-	72.000	
Total Quantity					520.845 Cft (Cubic Foot)		14.748663696 Cum (Cubic Meter)		
Amount					14.748663696 X 240.77592		3551.12		
17. 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.									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	l wall	1.000	68.000	0.830	1.500	0.000	84.660	-	
ii	v wall	1.000	20.500	0.830	1.500	0.000	25.523	-	
iii	step	2.000	2.160	0.830	1.500	0.000	5.378	-	
iv	col	6.000	0.830	0.830	1.500	0.000	-	6.200	
Total Quantity					109.3608 Cft (Cubic Foot)		3.09674790144 Cum (Cubic Meter)		
Amount					3.09674790144 X 5666.23277864		17546.89		
Total Amount							486818.79		
Addition									
Provision for PH Work (+) @									
Provision for EI Work (+) @							3181.00		
Provision for Contingency (+) @							5000.00		
Display Citizen Board (+) @							5000.00		

Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	13181.00
Grand Net Total Amount	499999.79

GAGAN KUMAR MALLIK
JE
Badasahi Block

BHIM CHARAN TUDU
AEE
Badasahi Block

BANAJA DAS
BDO
Badasahi Block