

Detailed Estimate

OD/365/3487/120063/390708/00071638 : CONST. OF SANITARY COMPLEX AT KHAUDIKHANI

Block : Badasahi, Gram Panchayat : Suhagpur

Created By:GAGAN KUMAR MALLIK

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	6.000	4.000	4.000	4.000	0.000	384.000	-
ii	l wall	2.000	16.500	1.500	1.500	0.000	74.250	-
iii	s wall	4.000	6.000	1.500	1.500	0.000	54.000	-
iv	verndha	1.000	16.500	1.500	1.500	0.000	37.125	-
v	wall	2.000	2.500	1.500	1.500	0.000	11.250	-
vi	col	6.000	4.000	1.500	1.500	0.000	-	54.000
Total Quantity					506.625 Cft (Cubic Foot)		14.3459988 Cum (Cubic Meter)	
Amount					14.3459988 X 240.77592		3454.17	
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	l wall	2.000	16.500	1.500	0.330	0.000	16.335	-
iii	s wall	4.000	6.000	1.500	0.330	0.000	11.880	-

iv	ver	1.000	16.500	1.500	0.330	0.000	8.168	-	
v	ver	2.000	2.500	1.500	0.330	0.000	2.475	-	
vi	room	1.000	6.000	5.160	1.500	0.000	46.440	-	
vii	room	2.000	6.000	4.410	1.500	0.000	79.380	-	
viii	ver	1.000	16.500	2.500	1.500	0.000	61.875	-	
ix	col	6.000	4.000	1.500	0.330	0.000	-	11.880	
Total Quantity					262.6725 Cft (Cubic Foot)		7.438044648 Cum (Cubic Meter)		
Amount					7.438044648 X 1720.629132		12798.12		

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	0.330	0.000	31.680	-	
ii	l wall	2.000	16.500	1.500	0.330	0.000	16.335	-	
iii	s wall	4.000	6.000	1.500	0.330	0.000	11.880	-	
iv	ver	1.000	16.500	1.500	0.330	0.000	8.168	-	
v	ver	2.000	2.500	1.500	0.330	0.000	2.475	-	
vi	room	1.000	6.000	5.160	0.330	0.000	10.217	-	
vii	room	2.000	6.000	4.410	0.330	0.000	17.464	-	
viii	ver	1.000	16.500	3.000	0.330	0.000	16.335	-	
ix	col	6.000	4.000	1.500	0.330	0.000	-	11.880	
Total Quantity					102.6729 Cft (Cubic Foot)		2.90736797472 Cum (Cubic Meter)		

Amount						2.90736797472 X 6753.5835438	19635.15	
4. 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	l wall	2.000	16.830	0.830	1.500	0.000	41.907	-
ii	s wall	4.000	6.000	0.830	1.500	0.000	29.880	-
iii	ver	1.000	16.500	0.830	1.500	0.000	20.543	-
iv	ver	2.000	2.500	0.830	1.500	0.000	6.225	-
v	col	6.000	0.830	0.830	1.500	0.000	6.200	-
Total Quantity					104.7543 Cft (Cubic Foot)		2.96630656224 Cum (Cubic Meter)	
Amount						2.96630656224 X 5405.96840364	16035.76	
5. 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	l wall	2.000	16.500	0.830	7.330	0.000	200.769	-
ii	s wall	4.000	6.000	0.830	7.330	0.000	146.014	-
iii	col	6.000	0.830	0.830	7.330	0.000	-	30.298
iv	door	3.000	3.330	0.830	6.830	0.000	-	56.632
Total Quantity					259.852167 Cft (Cubic Foot)		7.3581818425056 Cum (Cubic Meter)	

Amount	7.3581818425056 X 5439.29840364	40023.35
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6. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	g beam	2.000	16.830	0.830	0.830	0.000	23.188	-
ii	g beam	4.000	6.000	0.830	0.830	0.000	16.534	-
iii	col base	6.000	4.000	4.000	0.830	0.000	79.680	-
iv	col up to plinth	6.000	0.830	0.830	1.500	0.000	6.200	-
v	col	6.000	0.830	0.830	7.330	0.000	30.298	-
vi	lintel	2.000	16.830	0.830	0.500	0.000	13.969	-
vii	lintei	4.000	6.000	0.830	0.500	0.000	9.960	-
viii	wall beam	2.000	16.830	0.830	0.500	0.000	13.969	-
ix	beam	4.000	6.000	0.830	0.500	0.000	9.960	-
x	slab	1.000	18.000	10.500	0.330	0.000	62.370	-

Total Quantity	266.127696 Cft (Cubic Foot)	7.5358847420928 Cum (Cubic Meter)
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Amount	7.5358847420928 X 6982.928551046	52622.54
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7. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	ms rod	6.500	0.000	0.000	0.000	0.000	6.500	-
Total Quantity					6.5 Qntl (Quintal)		6.5 Qntl (Quintal)	
Amount					6.5 X 8428.8790379		54787.71	
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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	g beam	4.000	16.830	0.830	0.000	0.000	55.876	-
ii	g beam	8.000	6.000	0.830	0.000	0.000	39.840	-
Total Quantity					95.7156 Sft (Square Foot)		8.8922663868 Sqm (Square Meter)	
Amount					8.8922663868 X 216.70813962884		1927.03	
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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	6.000	1.660	0.830	0.000	0.000	8.267	-
ii	wall beam	4.000	16.830	0.830	0.000	0.000	55.876	-
iii	col	8.000	6.000	0.500	0.000	0.000	24.000	-
Total Quantity					88.1424 Sft (Square Foot)		8.1886933872 Sqm (Square Meter)	
Amount					8.1886933872 X 1048.946881161		8589.50	
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	wall	6.000	16.830	0.500	0.000	0.000	50.490	-
ii	wall	4.000	6.000	0.500	0.000	0.000	12.000	-
Total Quantity					62.49 Sft (Square Foot)		5.80550847 Sqm (Square Meter)	
Amount					5.80550847 X 500.42561591462		2905.23	

11. 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	18.000	10.500	0.000	0.000	189.000	-
Total Quantity					189 Sft (Square Foot)		17.558667 Sqm (Square Meter)	
Amount					17.558667 X 664.51849854133		11668.06	

12. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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	wall	2.000	16.500	10.500	0.000	0.000	346.500	-
ii	wall	2.000	7.660	10.500	0.000	0.000	160.860	-
iii	door	3.000	3.330	7.000	0.000	0.000	-	69.930
Total Quantity					437.43 Sft (Square Foot)		40.63855929 Sqm (Square Meter)	

Amount							40.63855929 X 187.985108296	7639.44
13. 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	in side	6.000	6.500	7.330	0.000	0.000	285.870	-
ii	wall	4.000	4.410	7.330	0.000	0.000	129.301	-
iii	wall	2.000	5.160	7.330	0.000	0.000	75.646	-
Total Quantity					490.8168 Sft (Square Foot)		45.5983531704 Sqm (Square Meter)	
Amount							45.5983531704 X 265.86739646	12123.12
14. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)								
Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	6.000	6.000	4.000	0.000	0.000	144.000	-
ii	room	4.000	4.410	4.000	0.000	0.000	70.560	-
Total Quantity					214.56 Sft (Square Foot)		19.93326768 Sqm (Square Meter)	
Amount							19.93326768 X 1556.978077631	31035.66
15. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)								
Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	wall	2.000	16.500	10.500	0.000	0.000	346.500	-	
ii	wall	2.000	7.660	10.500	0.000	0.000	160.860	-	
iii	door	3.000	3.330	7.000	0.000	0.000	-	69.930	
Total Quantity					437.43 Sft (Square Foot)		40.63855929 Sqm (Square Meter)		
Amount					40.63855929 X 94.76013415		3850.92		
Total Amount							279095.76		
Addition									
Provision for PH Work (+) @							8500.00		
Provision for EI Work (+) @							2000.00		
Provision for Contingency (+) @							3000.00		
Display Citizen Board (+) @							1000.00		
Any Other Lumpsum (+) @							6404.00		
Provision for survey investigation and quality control (+) @									
Total Addition							20904.00		
Grand Net Total Amount							299999.76		

GAGAN KUMAR MALLIK
JE
Badasahi Block

BHIM CHARAN TUDU
AEE
Badasahi Block

BANAJA DAS
BDO
Badasahi Block