

Detailed Estimate

OD/351/3348/117222/383023/00062883 : Construction of market complex at Badchhapal

Block : Tileibani, Gram Panchayat : Badchhapal

Created By:GHANASHYAM SAHU

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	COL	12.000	1.200	1.200	1.200	0.000	20.736	-
ii	LW	3.000	9.900	0.600	0.750	0.000	13.365	-
iii	SW	4.000	3.600	0.600	0.750	0.000	6.480	-
iv	SW VER	2.000	1.800	0.600	0.750	0.000	1.620	-
Total Quantity					42.201 cum (cum)		42.201 Cum (Cubic Meter)	
Amount					42.201 X 240.77592		10160.98	
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	12.000	1.200	1.200	0.150	0.000	2.592	-
ii	LW	3.000	9.900	0.600	0.100	0.000	1.782	-
iii	SW	4.000	3.600	0.600	0.100	0.000	0.864	-
iv	SW VER	2.000	1.800	0.600	0.100	0.000	0.216	-
v	INSIDE ROOM	3.000	3.600	3.300	0.300	0.000	10.692	-
vi	VER	1.000	10.400	1.800	0.300	0.000	5.616	-

Total Quantity	21.762 cum (cum)	21.762 Cum (Cubic Meter)
Amount	21.762 X 433.101332	9425.15

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	12.000	1.200	1.200	0.150	0.000	2.592	-
ii	LW	3.000	9.900	0.600	0.100	0.000	1.782	-
iii	SW	4.000	3.600	0.600	0.100	0.000	0.864	-
iv	SW VER	2.000	1.800	0.600	0.100	0.000	0.216	-
v	INSIDE ROOM	3.000	3.600	3.300	0.100	0.000	3.564	-
vi	VER	1.000	10.400	1.800	0.100	0.000	1.872	-

Total Quantity	10.89 cum (cum)	10.89 Cum (Cubic Meter)
Amount	10.89 X 5897.45265838	64223.26

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/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	LW	3.000	9.900	0.500	0.300	0.000	4.455	-
ii	SW	4.000	3.600	0.500	0.300	0.000	2.160	-
iii	SW VER	2.000	1.800	0.500	0.300	0.000	0.540	-
iv	2ND FOOTING UP TO PLINTH	3.000	9.900	0.375	0.600	0.000	6.683	-

v	SW	4.000	3.600	0.375	0.600	0.000	3.240	-
vi	VER WALL	2.000	1.800	0.375	0.600	0.000	0.810	-
Total Quantity					17.8875 cum (cum)		17.8875 Cum (Cubic Meter)	
Amount					17.8875 X 5362.510521984		95921.91	

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/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	LW	2.000	9.900	0.250	3.150	0.000	15.593	-
ii	SW	4.000	3.600	0.250	3.150	0.000	11.340	-
iii	DEDUCTION D	3.000	1.800	0.000	2.100	0.000	-	11.340
Total Quantity					15.5925 cum (cum)		15.5925 Cum (Cubic Meter)	
Amount					15.5925 X 5395.840521984		84134.64	

6. 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 FOOTING	12.000	1.200	1.200	0.200	0.000	3.456	-
ii		12.000	0.600	0.600	0.300	0.000	1.296	-
Total Quantity					4.752 cum (cum)		4.752 Cum (Cubic Meter)	

Amount						4.752 X 6365.0548786391	30246.74	
7. 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 BEND	3.000	6.900	0.250	0.250	0.000	1.294	-
ii		4.000	3.600	0.250	0.250	0.000	0.900	-
iii		2.000	1.800	0.250	0.250	0.000	0.225	-
Total Quantity						2.41875 cum (cum)	2.41875 Cum (Cubic Meter)	
Amount						2.41875 X 7121.8770037808	17226.04	
8. 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	COL	8.000	0.375	0.250	3.150	0.000	2.363	-
ii		4.000	0.250	0.250	3.150	0.000	0.788	-
iii	WALL BEAM	3.000	6.900	0.250	0.150	0.000	0.776	-
iv		4.000	3.600	0.250	0.150	0.000	0.540	-
v		2.000	1.800	0.250	0.150	0.000	0.135	-
Total Quantity						4.60125 cum (cum)	4.60125 Cum (Cubic Meter)	

Amount						4.60125 X 14420.808265959	66353.74	
9. R.C.C. Work (AR0404Ad) : 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 Lintels)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LINTEL	2.000	9.900	0.250	0.150	0.000	0.743	-
ii		4.000	3.000	0.250	0.150	0.000	0.450	-
iii	LINEL CUM BEAM VER	2.000	1.800	0.250	0.250	0.000	0.225	-
iv		1.000	6.900	0.250	0.250	0.000	0.431	-
Total Quantity						1.84875 cum (cum)	1.84875 Cum (Cubic Meter)	
Amount						1.84875 X 13029.33910717	24087.99	
10. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOF SLAB	1.000	11.200	6.900	0.112	0.000	8.655	-
Total Quantity						8.65536 cum (cum)	8.65536 Cum (Cubic Meter)	
Amount						8.65536 X 12666.939283029	109636.92	
11. 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	MS ROD	0.000	25.000	0.000	0.000	0.000	25.000	-
Total Quantity					25 Qntl (Quintal)		25 Qntl (Quintal)	
Amount					25 X 9185.787996		229644.70	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	FLOOR	3.000	3.600	3.300	0.000	0.000	35.640	-
ii	VER	1.000	10.900	2.050	0.000	0.000	22.345	-
Total Quantity					57.985 Sqm (Sqm)		57.985 Sqm (Square Meter)	
Amount					57.985 X 366.7149619676		21263.97	

13. 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	BACK SIDE	1.000	10.900	0.000	3.600	0.000	39.240	-
ii	SIDE WALL	2.000	4.100	0.000	3.600	0.000	29.520	-
iii	FRONT WALL	1.000	15.000	0.000	1.000	0.000	15.000	-
Total Quantity					83.76 Sqm (Sqm)		83.76 Sqm (Square Meter)	
Amount					83.76 X 182.9790646676		15326.33	

14. 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	INSIDE WALL	6.000	3.300	0.000	3.150	0.000	62.370	-
ii		6.000	3.600	0.000	3.150	0.000	68.040	-
iii	VER WALL	1.000	10.900	0.000	3.150	0.000	34.335	-
iv	DDDEDUCATION D	3.000	1.800	0.000	2.100	0.000	-	11.340
Total Quantity						153.405 Sqm (Sqm)	153.405 Sqm (Square Meter)	
Amount						153.405 X 259.855824546	39863.18	

15. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOF SLAB TOP	1.000	11.200	6.900	0.000	0.000	77.280	-
Total Quantity						77.28 Sqm (Sqm)	77.28 Sqm (Square Meter)	
Amount						77.28 X 285.3498860768	22051.84	

16. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer

Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	12 MM LPPLASTER AREA	1.000	83.760	0.000	0.000	0.000	83.760	-

Total Quantity		83.76 Sqm (Sqm)		83.76 Sqm (Square Meter)				
Amount		83.76 X 160.75408487694		13464.76				
17. Painting (AR0922b) : Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer on new work (Inside)								
Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer for 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	16 MM PLASTER AREA	1.000	153.405	0.000	0.000	0.000	153.405	-
Total Quantity		153.405 Sqm (Sqm)		153.405 Sqm (Square Meter)				
Amount		153.405 X 150.72817109351		23122.46				
Total Amount		876154.61						
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @								
Display Citizen Board (+) @								
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition								
Grand Net Total Amount								
999999.61								

GHANASHYAM SAHU
JE
Tileibani Block

DARSHAN KUMAR PUROHIT
AEE
Tileibani Block

Priyadarshani Mirdha
BDO
Tileibani Block