

Detailed Estimate

OD/358/3415/118736/422597/00065250 : Improvement of Bijapati Mandi

Block : Karlamunda, Gram Panchayat : Regada

Created By:BINAYAK PRASAD SAHU

1. 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	Room L/W	2.000	9.250	0.250	3.200	1.000	14.800	-
ii	Room S/W	2.000	3.700	0.250	3.200	1.000	5.920	-
iii	Corridor	2.000	8.300	0.250	0.750	1.000	3.113	-
iv		1.000	3.700	0.250	0.750	1.000	0.694	-
v	Opening	1.000	2.000	0.250	0.750	1.000	-	0.375
vi	D	1.000	1.200	0.250	2.100	1.000	-	0.630
vii	W	4.000	1.200	0.250	1.050	1.000	-	1.260
Total Quantity					22.26125 cum (cum)		22.26125 Cum (Cubic Meter)	
Amount					22.26125 X 5223.44578904		116280.43	
2. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	9.250	0.000	3.200	1.000	59.200	-
ii		2.000	4.200	0.000	3.200	1.000	26.880	-

iii		2.000	8.600	0.000	0.875	1.000	15.050	-
iv		1.000	4.200	0.000	0.875	1.000	3.675	-
v	W	4.000	1.200	0.000	1.050	1.000	-	5.040
vi	D	1.000	1.200	0.000	2.100	1.000	-	2.520
vii	Opening	1.000	2.000	0.000	0.875	1.000	-	1.750
Total Quantity					95.495 Sqm (Sqm)		95.495 Sqm (Square Meter)	
Amount					95.495 X 168.154612756		16057.92	

3. 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		2.000	9.000	0.000	3.200	1.000	57.600	-
ii		2.000	3.700	0.000	3.200	1.000	23.680	-
iii		2.000	8.600	0.000	0.850	1.000	14.620	-
iv		1.000	3.700	0.000	0.850	0.000	3.145	-
Total Quantity					99.045 Sqm (Sqm)		99.045 Sqm (Square Meter)	
Amount					99.045 X 242.06886746		23975.71	

4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	9.000	3.700	0.070	1.000	2.331	-
ii		1.000	8.600	3.700	0.070	1.000	2.227	-
Total Quantity					4.5584 cum (cum)		4.5584 Cum (Cubic Meter)	

Amount						4.5584 X 7134.6024886	32522.37	
5. 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		2.000	12.700	0.000	0.150	1.000	3.810	-
Total Quantity					3.81 Sqm (Sqm)		3.81 Sqm (Square Meter)	
Amount						3.81 X 1537.187750801	5856.69	
6. 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		1.050	0.000	0.000	0.000	0.000	1.050	-
Total Quantity					1.05 Qntl (Quintal)		1.05 Qntl (Quintal)	
Amount						1.05 X 8414.711172	8835.45	
7. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory								
Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	9.000	3.700	0.000	1.000	33.300	-
Total Quantity					33.3 Sqm (Sqm)		33.3 Sqm (Square Meter)	
Amount						33.3 X 1016.962094731	33864.84	
8. Plastering (AR1033) : White washing two coats with stone lime in any surface								

White washing two coats with stone lime in any surface including all costs of labour, coaltar and brushes 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	12mm plaster	1.000	104.805	0.000	0.000	1.000	104.805	-
ii	16mm plaster	1.000	99.045	0.000	0.000	1.000	99.045	-
iii	Ceiling	1.000	98.600	3.700	0.000	1.000	364.820	-
Total Quantity					568.67 Sqm (Sqm)		568.67 Sqm (Square Meter)	
Amount					568.67 X 35.263491870968		20053.29	

9. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)

Finishing wall two coats with distemper 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	16mm plaster	1.000	99.045	0.000	0.000	0.000	99.045	-
ii	ceiling	1.000	98.600	0.000	0.000	0.000	98.600	-
Total Quantity					197.645 Sqm (Sqm)		197.645 Sqm (Square Meter)	
Amount					197.645 X 78.8505283		15584.41	

10. Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside)

Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, 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	12mm plaster	1.000	104.805	0.000	0.000	0.000	104.805	-
Total Quantity					104.805 Sqm (Sqm)		104.805 Sqm (Square Meter)	
Amount					104.805 X 58.022337427097		6081.03	

11. 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		2.000	9.250	0.250	0.200	1.000	0.925	-
ii		2.000	3.700	0.250	0.200	1.000	0.370	-
Total Quantity					1.295 cum (cum)		1.295 Cum (Cubic Meter)	
Amount					1.295 X 12727.823144731		16482.53	

12. 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	1.000	1.200	0.000	2.100	35.000	88.200	-
ii	Window	4.000	1.200	0.000	1.050	45.000	226.800	-
Total Quantity					315 Kg (Kilo Gram)		3.15 Qntl (Quintal)	
Amount					3.15 X 15758.174347087		49638.25	
Total Amount							345232.92	

Addition

Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3452.33	
Display Citizen Board (+) @							3500.00	
Any Other Lumpsum (+) @								

Provision for survey investigation and quality control (+) @	
Total Addition	6952.33
Grand Net Total Amount	352185.25

BINAYAK PRASAD SAHU
JE
Karlamunda Block

SANDEEP KUMAR NAIK
AEE
Karlamunda Block

Miss Sucharita Mugri
BDO
Karlamunda Block