

Detailed Estimate

OD/366/3521/120557/428016/00068131 : REPAIR AND RENOVATION OF PRIMARY SCHOOL SALAPA

Block : Tentulikhunti, Gram Panchayat : Digi

Created By:UMAKANTA SAHANI

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	Boundary Wall	1.000	15.000	0.600	0.750	1.000	6.750	-
ii	Road	1.000	20.000	3.650	0.300	1.000	21.900	-
iii	Infront of School	1.000	10.000	10.000	0.450	1.000	45.000	-
iv	Gate Pillar	2.000	1.200	1.200	1.200	1.000	3.456	-
v	Drain	1.000	12.000	0.900	0.700	0.000	7.560	-
Total Quantity					84.666 cum (cum)		84.666 Cum (Cubic Meter)	
Amount					84.666 X 240.77592		20385.53	
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	Boundary Wall	1.000	15.000	0.600	0.100	1.000	0.900	-
ii	Road	1.000	20.000	3.600	0.100	1.000	7.200	-
iii	Gate Pillar	2.000	1.200	1.200	0.100	1.000	0.288	-
iv	Drain	1.000	12.000	0.900	0.100	1.000	1.080	-
Total Quantity					9.468 cum (cum)		9.468 Cum (Cubic Meter)	

Amount						9.468 X 601.458232	5694.61	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary Wall below GL	1.000	15.000	0.600	0.550	1.000	4.950	-
ii	Boundary Wall above GL	1.000	15.000	0.350	0.200	1.000	1.050	-
iii	Road Cutoff	1.000	20.000	3.650	0.100	1.000	7.300	-
iv	Gate Pillar	2.000	1.200	1.200	0.150	1.000	0.432	-
v	Drain Bed	1.000	12.000	0.900	0.150	1.000	1.620	-
vi	Drain Walls	2.000	12.000	0.300	0.450	1.000	3.240	-
Total Quantity					18.592 cum (cum)		18.592 Cum (Cubic Meter)	
Amount					18.592 X 5249.2318728		97593.72	
4. 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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary Wall Above GL	1.000	15.000	0.000	0.200	2.000	6.000	-
ii	Drain Walls	2.000	12.000	0.000	0.450	1.000	10.800	-
Total Quantity					16.8 Sqm (Sqm)		16.8 Sqm (Square Meter)	
Amount					16.8 X 216.39264180804		3635.40	

5. Masonry Brick Work (AR0603ai) : K.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with K.B. Bricks of size (23cm x 11cm 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	Boundary Wall	1.000	15.000	0.230	1.600	1.000	5.520	-
Total Quantity					5.52 cum (cum)		5.52 Cum (Cubic Meter)	
Amount					5.52 X 5417.82954064		29906.42	

6. R.C.C. Work (AR0404Ba) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc)(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 foundation, footing bases of column, mass concrete, pre-cast slabs etc)(Nominal mix as per IS-456, Table-9).

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Gate Pillar Pedestrial	2.000	0.900	0.900	0.300	1.000	0.486	-
ii	Drain Slab	1.000	3.300	1.200	0.150	1.000	0.594	-
Total Quantity					1.08 cum (cum)		1.08 Cum (Cubic Meter)	
Amount					1.08 X 5821.0201632081		6286.70	

7. R.C.C. Work (AR0404Bc) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Beams, Column, Girder & Breshher etc)(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 Beams, Column, Girder & Bressmer etc)(Nominal mix as per IS-456, Table-9).

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Gate Pillar	2.000	0.350	0.350	2.400	1.000	0.588	-

Total Quantity		0.588 cum (cum)		0.588 Cum (Cubic Meter)				
Amount		0.588 X 13880.709683663		8161.86				
8. 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	Reinforcement	1.000	0.500	0.000	0.000	1.000	0.500	-
Total Quantity		0.5 Qntl (Quintal)		0.5 Qntl (Quintal)				
Amount		0.5 X 8424.4344723		4212.22				
9. 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	Boundary Wall	1.000	15.000	0.000	1.600	1.000	24.000	-
Total Quantity		24 Sqm (Sqm)		24 Sqm (Square Meter)				
Amount		24 X 168.728518996		4049.48				
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	Boundary Wall	1.000	15.000	0.000	1.600	1.000	24.000	-
Total Quantity		24 Sqm (Sqm)		24 Sqm (Square Meter)				
Amount		24 X 242.75676836		5826.16				

11. 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	Boundary Wall	1.000	15.000	0.000	1.600	2.000	48.000	-
Total Quantity					48 Sqm (Sqm)		48 Sqm (Square Meter)	
Amount					48 X 78.8505283		3784.83	
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	Gate	1.000	3.300	0.000	2.100	0.600	4.158	-
Total Quantity					4.158 Qntl (Quintal)		4.158 Qntl (Quintal)	
Amount					4.158 X 15767.434633087		65560.99	
13. 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	Road	1.000	20.000	3.650	0.075	1.000	5.475	-
ii	Drain Bed	1.000	12.000	0.300	0.025	1.000	0.090	-
iii	Drain WALLs	2.000	12.000	0.300	0.025	1.000	0.180	-
Total Quantity					5.745 cum (cum)		5.745 Cum (Cubic Meter)	
Amount					5.745 X 6774.3651826		38918.73	
Total Amount							294016.64	

Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	3000.00
Display Citizen Board (+) @	2980.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	5980.00
Grand Net Total Amount	299996.64

UMAKANTA SAHANI
JE
Tentulikhunti Block

GOVIND KANHAR
AEE
Tentulikhunti Block

Manoj Kumar Panigrahi
BDO
Tentulikhunti Block