

Detailed Estimate

OD/360/3435/119054/396553/00017077 : maintenance of Bazar UP school

Block : Derabish, Panchayat : Benipur

Created By:ANIL KUMAR MOHANTY

1. 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	76.750	1.750	0.330	0.000	44.323	-	
ii	Boundary wall	1.000	71.500	1.750	0.330	0.000	41.291	-	
iii	Coloumn	12.000	3.000	3.000	0.500	0.000	54.000	-	
iv		12.000	3.000	1.750	0.330	0.000	-	20.790	
v		1.000	220.960	1.000	1.000	0.000	220.960	-	
Total Quantity					339.784375 Cft (Cubic Foot)		9.62160619 Cum (Cubic Meter)		
Amount					9.62160619 X 696.674972		6703.13		
2. 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	Boundary wall	1.000	76.750	1.750	0.333	0.000	44.726	-	
ii		1.000	71.500	1.750	0.333	0.000	41.667	-	
iii	Column	12.000	3.000	3.000	0.500	0.000	54.000	-	
iv		12.000	3.000	1.750	0.333	0.000	-	20.979	
Total Quantity					119.4136875 Cft (Cubic Foot)		3.3814135062 Cum (Cubic Meter)		
Amount					3.3814135062 X 5809.22406798		19643.39		

3. 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	Boundary Wall	1.000	76.750	5.000	0.000	0.000	383.750	-
ii	Boundary Wall	1.000	71.500	5.000	0.000	0.000	357.500	-
Total Quantity					741.25 Sft (Square Foot)		68.86434875 Sqm (Square Meter)	
Amount					68.86434875 X 168.7852146996		11623.28	

4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	76.750	5.830	0.000	0.000	447.453	-
ii	Boundary wall	1.000	71.500	5.830	0.000	0.000	416.845	-
iii	Deduction for opening	1.000	5.000	4.500	0.000	0.000	-	22.500
Total Quantity					841.7975 Sft (Square Foot)		78.2055131425 Sqm (Square Meter)	
Amount					78.2055131425 X 241.937325666		18920.83	

5. 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
i	Column Base	2.040	0.500	0.000	0.000	0.000	1.020	-
ii	Footing	1.240	0.500	0.000	0.000	0.000	0.620	-

iii	Column	1.180	0.700	0.000	0.000	0.000	0.826	-
Total Quantity					2.466 Qntl (Quintal)		2.466 Qntl (Quintal)	
Amount					2.466 X 8726.4807394		21519.50	
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 Base	12.000	3.000	3.000	0.670	0.000	72.360	-
ii	Column Footing	12.000	1.250	1.250	2.330	0.000	43.688	-
Total Quantity					116.0475 Cft (Cubic Foot)		3.286093848 Cum (Cubic Meter)	
Amount					3.286093848 X 6462.7653926711		21237.25	
7. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	12.000	0.830	0.830	5.000	0.000	41.334	-
Total Quantity					41.334 Cft (Cubic Foot)		1.1704466112 Cum (Cubic Meter)	
Amount					1.1704466112 X 14414.211029991		16871.06	
8. 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	Boundary wall	1.000	76.750	1.250	1.500	0.000	143.906	-	
ii		1.000	71.500	1.250	1.500	0.000	134.062	-	
iii	Deduction for column	12.000	1.250	1.250	1.500	0.000	-	28.125	
Total Quantity					249.84375 Cft (Cubic Foot)		7.0747755 Cum (Cubic Meter)		
Amount					7.0747755 X 4916.678531864		34784.40		

9. 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	Boundary wall	1.000	76.750	0.830	5.000	0.000	318.513	-	
ii	Boundary wall	1.000	71.500	0.830	5.000	0.000	296.725	-	
iii	Coping	1.000	76.750	0.420	0.250	0.000	8.059	-	
iv		1.000	71.500	0.420	0.250	0.000	7.508	-	
v	Deduction column	12.000	0.830	0.830	5.000	0.000	-	41.334	
vi	Opening	4.000	5.000	0.830	4.500	0.000	-	74.700	
Total Quantity					514.76975 Cft (Cubic Foot)		14.5766320568 Cum (Cubic Meter)		
Amount					14.5766320568 X 4950.008531864		72154.45		

10. Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift

Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	76.750	1.750	2.000	0.000	268.625	-
ii	Boundary wall	1.000	71.500	1.750	2.000	0.000	250.250	-

iii	Column	12.000	3.000	3.000	2.500	0.000	270.000	-
iv	Deduction for column	12.000	3.000	1.750	2.000	0.000	-	126.000
Total Quantity					662.875 Cft (Cubic Foot)		18.7704988 Cum (Cubic Meter)	
Amount					18.7704988 X 175.30368		3290.54	
11. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	541.250	1.000	1.000	0.000	541.250	-
ii		1.000	842.240	1.000	1.000	0.000	842.240	-
Total Quantity					1383.49 Sft (Square Foot)		128.53037147 Sqm (Square Meter)	
Amount					128.53037147 X 158.00317656148		20308.21	
Total Amount							247056.05	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2470.56	
Display Citizen Board (+) @							470.00	
Any Other Lumpsum (+) @								
Total Addition							2940.56	
Grand Net Total Amount							249996.61	