

Detailed Estimate

OD/360/3435/119054/396556/00017078 : Maintenance of benipur dihasahi pry school

Block : Derabish, Gram Panchayat : Benipur

Created By:ANIL KUMAR MOHANTY

1. 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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	13.500	2.170	2.000	0.000	117.180	-
ii	SW	2.000	3.920	2.170	2.000	0.000	34.026	-
iii	Platform	1.000	13.080	1.750	1.500	0.000	34.335	-
iv		1.000	1.250	1.750	1.500	0.000	3.281	-
Total Quantity					188.82185 Cft (Cubic Foot)		5.34683056208 Cum (Cubic Meter)	
Amount					5.34683056208 X 179.18208		958.06	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	13.500	2.170	0.500	0.000	29.295	-
ii	SW	2.000	3.920	2.170	0.500	0.000	8.506	-
iii	Platform	1.000	13.080	1.750	0.500	0.000	11.445	-
iv		1.000	1.250	1.750	0.500	0.000	1.094	-
v	Toilet	1.000	4.830	4.830	1.080	0.000	25.195	-

vi	Urinal	1.000	4.830	4.830	1.080	0.000	25.195	-
vii	Platform	1.000	10.920	1.750	1.000	0.000	19.110	-
viii	Back filling	1.000	62.840	0.000	0.000	0.000	62.840	-
Total Quantity					182.680574 Cft (Cubic Foot)		5.1729292778432 Cum (Cubic Meter)	
Amount					5.1729292778432 X 724.223732		3746.36	

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	LW	2.000	13.500	2.170	0.330	0.000	19.335	-
ii	SW	2.000	3.920	2.170	0.330	0.000	5.614	-
iii	Toilet	1.000	4.830	4.830	0.330	0.000	7.699	-
iv	Urinal	1.000	4.830	4.830	0.330	0.000	7.699	-
v	Platform	1.000	10.920	1.750	0.330	0.000	6.306	-
Total Quantity					46.652298 Cft (Cubic Foot)		1.3210437920064 Cum (Cubic Meter)	
Amount					1.3210437920064 X 5961.19723278		7875.00	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	13.000	1.670	0.550	0.000	23.881	-

ii	SW	2.000	4.420	1.670	0.500	0.000	7.381	-
iii	Platform LW	1.000	12.580	1.250	1.500	0.000	23.588	-
iv	Platform SW	1.000	1.750	1.250	1.500	0.000	3.281	-
v	LW	2.000	12.580	1.250	2.670	0.000	83.972	-
vi	SW	2.000	4.830	1.250	2.670	0.000	32.240	-
vii	Verandah	1.000	14.420	1.250	1.000	0.000	18.025	-
viii	Step	1.000	14.500	0.830	0.500	0.000	6.018	-
ix	Plinth Beam	2.000	12.170	0.830	0.500	0.000	-	10.101
x		2.000	5.250	0.830	0.500	0.000	-	4.358
Total Quantity					183.9268 Cft (Cubic Foot)		5.20821841024 Cum (Cubic Meter)	
Amount					5.20821841024 X 4996.878090904		26024.83	
5. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth beam	2.000	12.170	0.830	0.500	0.000	10.101	-
ii		2.000	5.250	0.830	0.500	0.000	4.358	-
Total Quantity					14.4586 Cft (Cubic Foot)		0.40942128448 Cum (Cubic Meter)	
Amount					0.40942128448 X 7396.8456140688		3028.43	
6. 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	12.670	10.330	0.330	0.000	43.191	-
Total Quantity					43.190763 Cft (Cubic Foot)		1.2230241977184 Cum (Cubic Meter)	
Amount					1.2230241977184 X 12941.907893317		15828.27	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth Bend	1.000	0.410	1.050	0.000	0.000	0.431	-
ii	Roof Slab	1.000	1.230	1.000	0.000	0.000	1.230	-
Total Quantity					1.6605 Qntl (Quintal)		1.6605 Qntl (Quintal)	
Amount					1.6605 X 9079.9023735		15077.18	

8. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	12.170	0.830	6.500	0.000	131.314	-
ii	SW	2.000	5.250	0.830	6.500	0.000	56.648	-
iii	Door	1.000	3.000	0.830	6.500	0.000	-	16.185
iv		1.000	2.500	0.830	6.500	0.000	-	13.488

Total Quantity	158.2893 Cft (Cubic Foot)	4.48224645024 Cum (Cubic Meter)
Amount	4.48224645024 X 5030.208090904	22546.63

9. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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 specifaicaon and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof Slab	1.000	12.670	10.330	0.000	0.000	130.881	-
Total Quantity					130.8811 Sft (Square Foot)		12.1592468333 Sqm (Square Meter)	
Amount					12.1592468333 X 367.5766604356		4469.46	

10. 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	Front	2.000	12.170	6.500	0.000	0.000	158.210	-
ii	Side	1.000	6.920	6.500	0.000	0.000	44.980	-
Total Quantity					203.19 Sft (Square Foot)		18.87696057 Sqm (Square Meter)	
Amount					18.87696057 X 173.3399769556		3272.13	

11. 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	Toilet	1.000	21.000	6.500	0.000	0.000	136.500	-

ii	Urinal	1.000	21.000	6.500	0.000	0.000	136.500	-
iii	Door	1.000	3.000	6.500	0.000	0.000	-	19.500
iv		1.000	2.500	6.500	0.000	0.000	-	16.250
Total Quantity					237.25 Sft (Square Foot)		22.04123675 Sqm (Square Meter)	
Amount					22.04123675 X 248.293554626		5472.70	

12. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab cornice	1.000	35.670	0.330	0.000	0.000	11.771	-
Total Quantity					11.7711 Sft (Square Foot)		1.0935705033 Sqm (Square Meter)	
Amount					1.0935705033 X 192.6998382304		210.73	

13. Plastering (AR1006) : 12mm thick cement plaster (1:4) over brickwork in inside

12mm thick cement plaster (1:4) over brickwork in inside with cement punning for skirting/wall punning including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, 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	Below plinth	2.000	12.580	1.500	0.000	0.000	37.740	-
ii		1.000	7.330	1.500	0.000	0.000	10.995	-
Total Quantity					48.735 Sft (Square Foot)		4.527627705 Sqm (Square Meter)	
Amount					4.527627705 X 196.5309066408		889.82	

14. Flooring (AR0817a) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755)

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet	1.000	5.250	5.250	0.000	0.000	27.563	-
ii	Urinal	1.000	5.250	5.250	0.000	0.000	27.563	-
iii	Platform	1.000	12.500	3.000	0.000	0.000	37.500	-
Total Quantity					92.625 Sft (Square Foot)		8.605140375 Sqm (Square Meter)	
Amount					8.605140375 X 1335.167544236		11489.30	

15. Flooring (AR0817aq) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge(For repair and maintenance) .

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet	1.000	21.000	3.000	0.000	0.000	63.000	-
ii	Door	1.000	3.000	3.000	0.000	0.000	-	9.000
Total Quantity					54 Sft (Square Foot)		5.016762 Sqm (Square Meter)	
Amount					5.016762 X 2078.739644236		10428.54	
Total Amount							131317.43	

Addition

Provision for PH Work (+) @							16680.00	
Provision for EI Work (+) @								
Provision for Contingency (+) @							1500.00	

Display Citizen Board (+) @	500.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	18680.00
Grand Net Total Amount	149997.43

ANIL KUMAR MOHANTY
JE
Derabish Block

GOURAV SAHOO
AEE
Derabish Block

Namita Barik
BDO
Derabish Block