

Detailed Estimate

OD/361/3452/119471/386049/00015518 : Repair and Renovation of Potala Baliabedasahi Primary School
Block : Kendujhar Sadar, Gram Panchayat : Sankiri
Created By:Ratikanta Lenka

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	Column base	16.000	3.000	3.000	3.000	0.000	432.000	-
ii	Wall	1.000	195.000	1.500	1.500	0.000	438.750	-
iii	Deduct Column	16.000	3.000	3.000	1.500	0.000	-	216.000
Total Quantity					654.75 Cft (Cubic Foot)		18.5404248 Cum (Cubic Meter)	
Amount					18.5404248 X 240.77592		4464.09	
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	Column base	16.000	3.000	3.000	0.330	0.000	47.520	-
ii	Wall	1.000	195.000	1.500	0.330	0.000	96.525	-
iii	Deduct Column	16.000	3.000	3.000	0.330	0.000	-	47.520
Total Quantity					96.525 Cft (Cubic Foot)		2.73327912 Cum (Cubic Meter)	
Amount					2.73327912 X 1053.089832		2878.39	

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	Column base	16.000	3.000	3.000	0.330	0.000	47.520	-
ii	Wall	1.000	195.000	1.500	0.330	0.000	96.525	-
iii	Deduct Column	16.000	0.830	0.830	0.330	0.000	-	3.637
Total Quantity					140.407608 Cft (Cubic Foot)		3.9758941542144 Cum (Cubic Meter)	
Amount					3.9758941542144 X 6075.04023724		24153.72	

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	Wall	1.000	195.000	1.250	1.000	0.000	243.750	-
ii	Plinth bend	2.000	195.000	0.250	0.830	0.000	80.925	-
iii	Deduct Column	16.000	0.830	0.830	2.660	0.000	-	29.320
Total Quantity					295.355416 Cft (Cubic Foot)		8.3635202437888 Cum (Cubic Meter)	
Amount					8.3635202437888 X 5238.041237632		43808.46	

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	Wall	1.000	195.000	0.830	4.250	0.000	687.862	-
ii		1.000	195.000	0.410	0.250	0.000	19.988	-
iii	Deduct Column	16.000	0.830	0.830	4.250	0.000	-	46.845
Total Quantity					661.0048 Cft (Cubic Foot)		18.71754072064 Cum (Cubic Meter)	
Amount					18.71754072064 X 5271.371237632		98667.11	

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	1st footing	16.000	3.000	3.000	0.660	0.000	95.040	-
ii	2nd footing	16.000	1.500	1.500	0.500	0.000	18.000	-
Total Quantity					113.04 Cft (Cubic Foot)		3.200931072 Cum (Cubic Meter)	
Amount					3.200931072 X 6595.4228539013		21111.49	

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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Plinth bend	1.000	195.000	0.830	0.830	0.000	134.335	-
Total Quantity					134.3355 Cft (Cubic Foot)		3.8039514864 Cum (Cubic Meter)	
Amount					3.8039514864 X 7352.244979043		27967.58	
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	Column	16.000	0.830	0.830	1.160	0.000	12.786	-
ii		16.000	0.830	0.830	4.250	0.000	46.845	-
Total Quantity					59.631184 Cft (Cubic Foot)		1.6885643110912 Cum (Cubic Meter)	
Amount					1.6885643110912 X 14651.176241221		24739.45	
9. 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		0.000	0.000	0.000	0.000	5.650	5.650	-
Total Quantity					5.65 Qntl (Quintal)		5.65 Qntl (Quintal)	
Amount					5.65 X 9260.9715072		52324.49	
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	Wall	1.000	195.000	0.000	5.830	0.000	1136.850	-
ii		1.000	195.000	0.000	1.250	0.000	243.750	-
Total Quantity					1380.6 Sft (Square Foot)		128.2618818 Sqm (Square Meter)	
Amount					128.2618818 X 251.842278708		32301.76	

11. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	195.000	0.000	5.830	0.000	1136.850	-
Total Quantity					1136.85 Sft (Square Foot)		105.61677555 Sqm (Square Meter)	
Amount					105.61677555 X 176.2991183048		18620.14	

12. Painting (AR0901dik) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces (outer surface)(For repair and maintenance) .

Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	220.000	0.000	5.830	0.000	1282.600	-
ii		1.000	220.000	0.000	1.250	0.000	275.000	-
iii		1.000	220.000	0.000	5.830	0.000	1282.600	-
Total Quantity					2840.2 Sft (Square Foot)		263.8631006 Sqm (Square Meter)	
Amount					263.8631006 X 74.03226419871		19534.38	

13. Painting (AR0918fk) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)(For repair and maintenance) .

Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	220.000	0.000	5.830	0.000	1282.600	-
ii		1.000	220.000	0.000	1.250	0.000	275.000	-
iii		1.000	220.000	0.000	5.830	0.000	1282.600	-
Total Quantity					2840.2 Sft (Square Foot)		263.8631006 Sqm (Square Meter)	
Amount					263.8631006 X 89.0992407		23510.00	
Total Amount							394081.08	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4000.00	
Display Citizen Board (+) @							1918.92	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							5918.92	
Grand Net Total Amount							400000.00	

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