

Detailed Estimate

OD/351/3346/117189/382861/00064888 : Improvement of Picnic place at Chakunda

Block : Barkote, Gram Panchayat : Kaliapal

Created By:Miss Sumati Pradhan

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	Guard Wall	1.000	30.000	0.900	0.900	0.000	24.300	-
ii	Step	2.000	3.200	0.600	0.600	0.000	2.304	-
iii	Step	2.000	2.100	0.600	0.600	0.000	1.512	-
iv	Compost	2.000	4.900	0.600	0.600	0.000	3.528	-
v	S/W	2.000	3.350	0.600	0.600	0.000	2.412	-
Total Quantity					34.056 cum (cum)		34.056 Cum (Cubic Meter)	
Amount					34.056 X 240.77592		8199.86	
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	Guard Wall	1.000	30.000	0.900	0.150	0.000	4.050	-
ii	Step	2.000	3.200	0.600	0.100	0.000	0.384	-
iii	Step	2.000	2.100	0.600	0.100	0.000	0.252	-
iv	Step Inside	1.000	2.700	1.600	0.300	0.000	1.296	-
v	Compost L/W	2.000	4.900	0.600	0.100	0.000	0.588	-

vi	S/W	2.000	3.350	0.600	0.100	0.000	0.402	-
Total Quantity					6.972 cum (cum)		6.972 Cum (Cubic Meter)	
Amount					6.972 X 433.101332		3019.58	
3. Earth Work (AR0114a) : Filling of foundation with escalated earth								
Filling in foundation and plinth with excavated materials in Hard soil / Gravelly soil including watering and ramming as directed by the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Picnic Spot Area	1.000	35.000	12.300	1.500	0.000	645.750	-
Total Quantity					645.75 cum (cum)		645.75 Cum (Cubic Meter)	
Amount					645.75 X 133.76408892		86378.16	
4. 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	Guard Wall UP to GL	1.000	30.000	0.800	0.750	0.000	18.000	-
ii	Above Guard Wall	1.000	30.000	0.550	1.200	0.000	19.800	-
iii	Step Cutoff	2.000	3.200	0.450	0.650	0.000	1.872	-
iv	Cut off	2.000	2.100	0.450	0.650	0.000	1.229	-
v	Step Inside	1.000	2.700	1.600	0.200	0.000	0.864	-
vi	Step	4.000	3.200	1.200	0.300	0.000	4.608	-
vii	Compost L/W	2.000	4.900	0.600	0.100	0.000	0.588	-
viii	S/W	2.000	3.350	0.600	0.100	0.000	0.402	-
ix	Inside	1.000	4.400	3.350	0.100	0.000	1.474	-

Total Quantity		48.8365 cum (cum)		48.8365 Cum (Cubic Meter)				
Amount		48.8365 X 6142.50683738		299978.54				
5. 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/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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Compost L/W	2.000	4.900	0.380	0.600	0.000	2.234	-
ii	S/W	2.000	3.350	0.350	0.600	0.000	1.407	-
Total Quantity		3.6414 cum (cum)		3.6414 Cum (Cubic Meter)				
Amount		3.6414 X 5210.007511184		18971.72				
6. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Compost L/W	2.000	4.900	0.250	0.800	0.000	1.960	-
ii	S/W	2.000	3.350	0.250	0.800	0.000	1.340	-
Total Quantity		3.3 cum (cum)		3.3 Cum (Cubic Meter)				
Amount		3.3 X 5243.337511184		17303.01				
7. 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 specificaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	Guard Wall	1.000	30.000	0.550	0.040	0.000	0.660	-	
ii	Step	4.000	3.200	1.000	0.040	0.000	0.512	-	
iii	Inside Compost	1.000	4.400	3.300	0.040	0.000	0.581	-	
Total Quantity					1.7528 cum (cum)		1.7528 Cum (Cubic Meter)		
Amount					1.7528 X 7555.51569206		13243.31		

8. 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	Wall L/w	2.000	4.900	1.100	0.000	0.000	10.780	-	
ii	S/W	2.000	3.350	1.100	0.000	0.000	7.370	-	
Total Quantity					18.15 Sqm (Sqm)		18.15 Sqm (Square Meter)		
Amount					18.15 X 180.3887560476		3274.06		

9. 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	Compost L/W	2.000	4.400	0.900	0.000	0.000	7.920	-	
ii	S/W	2.000	3.350	0.900	0.000	0.000	6.030	-	
Total Quantity					13.95 Sqm (Sqm)		13.95 Sqm (Square Meter)		
Amount					13.95 X 256.746973846		3581.62		

10. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Guard Wall	2.000	30.000	1.600	0.000	0.000	96.000	-
ii	Guard Wall	2.000	0.530	1.600	0.000	0.000	1.696	-
iii	Step Cut off	2.000	3.200	0.700	0.000	0.000	4.480	-
iv	Step	2.000	2.100	0.700	0.000	0.000	2.940	-
v	Step	4.000	3.200	0.300	0.000	0.000	3.840	-
Total Quantity					108.956 Sqm (Sqm)		108.956 Sqm (Square Meter)	
Amount					108.956 X 216.23489289764		23560.09	

11. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Guard Wall	2.000	30.000	1.200	0.000	0.000	72.000	-
ii	Step	4.000	3.200	0.300	0.000	0.000	3.840	-
Total Quantity					75.84 Sqm (Sqm)		75.84 Sqm (Square Meter)	
Amount					75.84 X 193.7559071584		14694.45	
Total Amount							492204.40	

Addition

Provision for PH Work (+) @

Provision for EI Work (+) @

Provision for Contingency (+) @	5000.00
Display Citizen Board (+) @	2795.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	7795.00
Grand Net Total Amount	499999.40

Miss Sumati Pradhan
JE
Barkote Block

SUBRAT KUMAR MAJHI
AEE
Barkote Block

Dillip Kumar Pradhan
BDO
Barkote Block