

Detailed Estimate

OD/346/3305/116248/393279/00072553 : repair and restoration of Satakhalia AWC building
Block : Nilgiri, Gram Panchayat : Narenpur
Created By: AJAY SOREN

1. Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof								
Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	9.650	6.900	0.000	0.000	66.585	-
Total Quantity					66.585 Sqm (Sqm)		66.585 Sqm (Square Meter)	
Amount					66.585 X 112.89193548387		7516.91	
2. 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 specifaion and direction of Engineer-in charge. (new work)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	9.650	6.900	0.000	0.000	66.585	-
Total Quantity					66.585 Sqm (Sqm)		66.585 Sqm (Square Meter)	
Amount					66.585 X 364.436465234		24266.00	
3. Dismantling (AR1629) : Dismantling and removing old tiled cladding from walls								
Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	9.440	3.500	0.000	0.000	66.080	-
ii		1.000	6.400	3.500	0.000	0.000	22.400	-

iii		1.000	6.400	2.000	0.000	0.000	12.800	-	
iv		5.000	0.900	1.100	0.000	0.000	-	4.950	
v		2.000	6.650	3.200	0.000	0.000	42.560	-	
vi		2.000	3.750	3.200	0.000	0.000	24.000	-	
vii		1.000	2.650	1.200	0.000	0.000	3.180	-	
viii		1.000	2.130	1.200	0.000	0.000	2.556	-	
ix		2.000	1.920	1.500	0.000	0.000	5.760	-	
x		2.000	2.280	1.200	0.000	0.000	5.472	-	
xi		1.000	1.670	0.500	0.000	0.000	0.835	-	
Total Quantity					180.693 Sqm (Sqm)		180.693 Sqm (Square Meter)		
Amount					180.693 X 65.226451612903		11785.96		

4. 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		1.000	1.000	9.440	3.500	0.000	33.040	-
ii		1.000	1.000	9.440	3.500	0.000	33.040	-
iii		1.000	1.000	6.400	3.500	0.000	22.400	-
iv		1.000	1.000	6.400	2.000	0.000	12.800	-
v		1.000	1.000	32.200	0.450	0.000	14.490	-
vi		0.500	3.000	1.190	1.980	0.000	-	3.534
vii		0.500	5.000	1.200	1.200	0.000	-	3.600

Total Quantity	108.6357 Sqm (Sqm)	108.6357 Sqm (Square Meter)
Amount	108.6357 X 172.740414534	18765.78

5. 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		1.000	2.000	6.650	3.200	0.000	42.560	-
ii		1.000	2.000	3.750	3.200	0.000	24.000	-
iii		2.000	2.000	1.920	1.500	0.000	11.520	-
iv		1.000	1.000	2.130	1.200	0.000	2.556	-
v		2.000	4.000	2.740	1.200	0.000	26.304	-
vi		2.000	2.000	2.280	1.500	0.000	13.680	-
vii		0.500	6.000	1.190	1.980	0.000	-	7.069
viii		0.500	5.000	1.200	1.200	0.000	-	3.600

Total Quantity	109.9514 Sqm (Sqm)	109.9514 Sqm (Square Meter)
Amount	109.9514 X 247.57014859	27220.68

6. Painting (AR0920a) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside)

Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	6.650	3.200	0.000	0.000	42.560	-
ii		2.000	3.750	3.200	0.000	0.000	24.000	-

iii		1.000	6.650	3.750	0.000	0.000	24.938	-
iv		4.000	1.920	3.200	0.000	0.000	24.576	-
v		4.000	1.520	3.200	0.000	0.000	19.456	-
vi		2.000	1.920	1.520	0.000	0.000	5.837	-
vii		2.000	2.130	3.200	0.000	0.000	13.632	-
viii		2.000	1.520	3.200	0.000	0.000	9.728	-
ix		1.000	2.130	1.520	0.000	0.000	3.238	-
x		2.000	2.310	3.200	0.000	0.000	14.784	-
xi		2.000	1.670	3.200	0.000	0.000	10.688	-
xii		1.000	2.310	3.200	0.000	0.000	7.392	-
xiii		4.000	2.740	3.200	0.000	0.000	35.072	-
xiv		4.000	1.820	3.200	0.000	0.000	23.296	-
xv		2.000	2.740	3.200	0.000	0.000	17.536	-
xvi		0.500	6.000	1.190	1.980	0.000	-	7.069
xvii		0.500	5.000	1.200	1.200	0.000	-	3.600
Total Quantity					266.0633 Sqm (Sqm)		266.0633 Sqm (Square Meter)	
Amount					266.0633 X 163.82827782051		43588.69	
7. Painting (AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside)								
Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, 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		2.000	9.440	3.500	0.000	0.000	66.080	-

ii		2.000	6.400	3.500	0.000	0.000	44.800	-	
iii		1.000	32.200	0.450	0.000	0.000	14.490	-	
iv		1.000	6.400	0.450	0.000	0.000	2.880	-	
v		4.000	1.540	0.450	0.000	0.000	2.772	-	
vi		0.500	6.000	1.490	2.100	0.000	-	9.387	
vii		0.500	5.000	1.200	1.200	0.000	-	3.600	
Total Quantity					118.035 Sqm (Sqm)		118.035 Sqm (Square Meter)		
Amount					118.035 X 156.94134032051		18524.57		

8. Painting (AR0903ik) : Painting two coats of enamel paint in outer surface paint (outer surface)(For repair and maintenance) .

Painting two coats of enamel paint in outer surface paint 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		6.000	2.250	1.200	2.100	0.000	34.020	-	
ii		5.000	2.750	1.200	1.200	0.000	19.800	-	
Total Quantity					53.82 Sqm (Sqm)		53.82 Sqm (Square Meter)		
Amount					53.82 X 167.04571075081		8990.40		

9. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i		1.000	10.000	0.250	0.250	0.000	0.625	-	
Total Quantity					0.625 cum (cum)		0.625 Cum (Cubic Meter)		

Amount				0.625 X 240.77592			150.48	
10. 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		1.000	10.000	0.250	0.100	0.000	0.250	-
ii		1.000	10.000	1.520	0.150	0.000	2.280	-
Total Quantity					2.53 cum (cum)		2.53 Cum (Cubic Meter)	
Amount				2.53 X 921.527232			2331.46	
11. 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		1.000	10.000	0.250	0.250	0.000	0.625	-
ii		1.000	10.000	1.520	0.100	0.000	1.520	-
Total Quantity					2.145 cum (cum)		2.145 Cum (Cubic Meter)	
Amount				2.145 X 6220.46438226			13342.90	
12. 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		1.000	10.000	1.520	0.080	0.000	1.216	-
Total Quantity					1.216 cum (cum)		1.216 Cum (Cubic Meter)	
Amount				1.216 X 7671.62312662			9328.69	

13. 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		1.000	10.000	2.000	0.150	0.000	3.000	-
ii		1.000	10.000	1.000	0.100	0.000	1.000	-
Total Quantity					4 Sqm (Sqm)		4 Sqm (Square Meter)	
Amount					4 X 216.23489289764		864.94	
Total Amount							186677.48	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2000.00	
Display Citizen Board (+) @							2000.00	
Any Other Lumpsum (+) @							9322.00	
Provision for survey investigation and quality control (+) @								
Total Addition							13322.00	
Grand Net Total Amount							199999.48	

AJAY SOREN
JE
Nilgiri Block

Sarat kumar Upadhyay
AEE
Nilgiri Block

Bikram Kishore Parida
BDO
Nilgiri Block