

Detailed Estimate

OD/373/3588/121759/383813/00013658 : Repair & Maintenance of Kandhamal Pry.School
Block : Sundargarh, Gram Panchayat : Karla
Created By:Puspanjali Bilung

1. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (23cm x 11cm 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	B/wall	1.000	110.000	0.230	0.450	0.000	11.385	-
ii	Copping	1.000	110.000	0.380	0.075	0.000	3.135	-
iii	L/wall	1.000	3.280	0.230	2.750	0.000	2.075	-
iv	L/wall	1.000	3.280	0.230	2.450	0.000	1.848	-
v	S/wall	2.000	2.680	0.230	2.600	0.000	3.205	-
vi	Door	1.000	1.050	0.230	2.100	0.000	-	0.507
vii	W	1.000	0.900	0.230	0.900	0.000	-	0.186
Total Quantity						20.95471 cum (cum)	20.95471 Cum (Cubic Meter)	
Amount						20.95471 X 5163.661838336	108203.04	
2. 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	B/wall	1.000	110.000	0.000	0.450	0.000	49.500	-
ii	Wall Outside	1.000	3.510	0.000	2.750	0.000	9.653	-

iii	Wall Outside	1.000	3.510	0.000	2.450	0.000	8.600	-	
iv	Wall Outside	2.000	2.910	0.000	2.600	0.000	15.132	-	
v	Door	1.000	1.050	0.000	2.100	0.500	-	1.103	
vi	W	1.000	0.900	0.000	0.900	0.500	-	0.405	
Total Quantity					81.3765 Sqm (Sqm)		81.3765 Sqm (Square Meter)		
Amount					81.3765 X 176.5601139804		14367.84		

3. 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	B/Wall	1.000	110.000	0.000	0.450	0.000	49.500	-	
ii	Copping Top	1.000	110.000	0.000	0.075	0.000	8.250	-	
iii	Inside	1.000	3.050	0.000	2.750	0.000	8.388	-	
iv	Inside	1.000	3.050	0.000	2.450	0.000	7.473	-	
v	Inside	2.000	2.450	0.000	2.600	0.000	12.740	-	
vi	Door	1.000	1.050	0.000	2.100	0.500	-	1.103	
vii	W	1.000	0.900	0.000	0.900	0.500	-	0.405	
Total Quantity					84.8425 Sqm (Sqm)		84.8425 Sqm (Square Meter)		
Amount					84.8425 X 252.154189534		21393.39		

4. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	2.000	8.150	3.150	0.000	0.000	51.345	-
ii	Ceiling	1.000	3.150	5.000	0.000	0.000	15.750	-
iii	Kitchen Room	1.000	3.050	2.750	0.000	0.000	8.388	-
iv	Kitchen Room	1.000	3.050	2.450	0.000	0.000	7.473	-
v	Kitchen Room	2.000	2.450	2.600	0.000	0.000	12.740	-
vi	D	1.000	1.050	1.800	0.000	0.500	-	0.945
vii	W	2.000	1.200	1.200	0.000	0.500	-	1.440
viii	D	1.000	1.050	2.100	0.000	0.500	-	1.103
ix	W	1.000	0.900	0.900	0.000	0.500	-	0.405
Total Quantity					91.8025 Sqm (Sqm)		91.8025 Sqm (Square Meter)	
Amount					91.8025 X 71.85770801951		6596.72	
5. 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	Wall pit	1.000	11.920	0.600	0.600	0.000	4.291	-
Total Quantity					4.2912 cum (cum)		4.2912 Cum (Cubic Meter)	
Amount					4.2912 X 240.77592		1033.22	
6. 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	Wall pit	1.000	11.920	0.600	0.100	0.000	0.715	-
ii	Room filling	1.000	3.050	2.450	0.300	0.000	2.242	-
Total Quantity					2.95695 cum (cum)		2.95695 Cum (Cubic Meter)	
Amount					2.95695 X 1152.211232		3407.03	
7. 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	Wall pit	1.000	11.920	0.600	0.100	0.000	0.715	-
ii	Room	1.000	3.050	2.450	0.075	0.000	0.560	-
Total Quantity					1.2756375 cum (cum)		1.2756375 Cum (Cubic Meter)	
Amount					1.2756375 X 6467.26977602		8249.89	
8. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (23cm x 11cm 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	1st footing	1.000	11.920	0.460	0.150	0.000	0.822	-
ii	2nd footing	1.000	11.920	0.375	0.600	0.000	2.682	-
Total Quantity					3.50448 cum (cum)		3.50448 Cum (Cubic Meter)	
Amount					3.50448 X 5130.331838336		17979.15	
9. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)								

Finishing wall two coats with distemper of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside	1.000	91.803	0.000	0.000	0.000	91.803	-
Total Quantity					91.8025 Sqm (Sqm)		91.8025 Sqm (Square Meter)	
Amount					91.8025 X 78.9105728		7244.19	

10. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	W	2.000	1.200	1.200	0.000	2.750	7.920	-
ii	D	1.000	1.050	1.800	0.000	2.250	4.253	-
iii	W	1.000	0.900	0.900	0.000	2.750	2.228	-
iv	D	1.000	1.050	2.100	0.000	2.250	4.961	-
Total Quantity					19.36125 Sqm (Sqm)		19.36125 Sqm (Square Meter)	
Amount					19.36125 X 164.26525446452		3180.38	

11. Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	3.050	2.450	0.000	0.000	7.473	-
Total Quantity					7.4725 Sqm (Sqm)		7.4725 Sqm (Square Meter)	
Amount					7.4725 X 388.3722235804		2902.11	

12. Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)

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, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	B/wall	2.000	110.000	0.000	1.800	0.000	396.000	-	
ii	Copping	1.000	110.000	0.000	0.075	0.000	8.250	-	
iii	Room	2.000	9.150	0.000	3.150	0.000	57.645	-	
iv	Kitchen Room	1.000	3.510	0.000	2.750	0.000	9.653	-	
v	Kitchen Room	1.000	3.510	0.000	2.450	0.000	8.600	-	
vi	Kithen Room	2.000	2.910	0.000	2.600	0.000	15.132	-	
vii	D	1.000	1.050	0.000	1.800	0.500	-	0.945	
viii	W	2.000	1.200	0.000	1.200	0.500	-	1.440	
ix	D	1.000	1.050	0.000	2.100	0.500	-	1.103	
x	W	1.000	0.900	0.000	0.900	0.500	-	0.405	
Total Quantity					491.3865 Sqm (Sqm)		491.3865 Sqm (Square Meter)		
Amount					491.3865 X 87.9032189		43194.46		
Total Amount							237751.41		
Addition									
Provision for PH Work (+) @									
Provision for EI Work (+) @									
Provision for Contingency (+) @							2666.00		
Display Citizen Board (+) @							2500.00		
Any Other Lumpsum (+) @							23642.00		

Provision for survey investigation and quality control (+) @	
Total Addition	28808.00
Grand Net Total Amount	266559.41

JE
Sundargarh Block

Shalini Singh
AEE
Sundargarh Block

Fabi Rasheed
BDO
Sundargarh Block