

Detailed Estimate

OD/357/3404/118516/381090/00016532 : Improvement/Completion of Kalyan Mandap at Jharmunda
Block : Jharsuguda, Gram Panchayat : Chandinimal
Created By:Fagu Murmu

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	Front Concrete	1.000	25.000	9.000	0.660	0.000	148.500	-
Total Quantity					148.5 Cft (Cubic Foot)		4.2050448 Cum (Cubic Meter)	
Amount					4.2050448 X 240.77592		1012.47	
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	Front Concrete	1.000	25.000	9.000	0.250	0.000	56.250	-
Total Quantity					56.25 Cft (Cubic Foot)		1.59282 Cum (Cubic Meter)	
Amount					1.59282 X 974.966332		1552.95	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Front Concrete	1.000	25.000	9.000	0.330	0.000	74.250	-
Total Quantity					74.25 Cft (Cubic Foot)		2.1025224 Cum (Cubic Meter)	
Amount					2.1025224 X 5990.620878		12595.41	
4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Front Concrete	1.000	25.000	9.000	0.330	0.000	74.250	-
Total Quantity					74.25 Cft (Cubic Foot)		2.1025224 Cum (Cubic Meter)	
Amount					2.1025224 X 7492.771153		15753.72	

5. 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/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	Steps	1.000	21.500	2.000	0.500	0.000	21.500	-
ii	Step	1.000	21.500	1.000	0.500	0.000	10.750	-
Total Quantity					32.25 Cft (Cubic Foot)		0.9132168 Cum (Cubic Meter)	
Amount					0.9132168 X 5234.8363832		4780.54	

6. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Front & Back	2.000	21.500	12.000	0.000	0.000	516.000	-
ii	Above lintel	1.000	21.500	4.000	0.000	0.000	86.000	-
iii	Both side	2.000	15.500	12.000	0.000	0.000	372.000	-
iv	Above Lintel	2.000	6.750	4.000	0.000	0.000	54.000	-
v	Slab projection	2.000	22.500	1.000	0.000	0.000	45.000	-
vi	Slab project	2.000	24.000	1.000	0.000	0.000	48.000	-
vii	Front Chajja	2.000	21.000	1.500	0.000	0.000	63.000	-

viii	Chajja	4.000	7.250	1.500	0.000	0.000	43.500	-	
ix	Door	1.000	0.500	3.500	0.000	0.000	-	1.750	
x	Window	3.000	0.500	3.500	0.000	0.000	-	5.250	
Total Quantity					1220.5 Sft (Square Foot)		113.3881115 Sqm (Square Meter)		
Amount					113.3881115 X 175.16076298		19861.15		

7. 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	Hall	2.000	20.000	11.000	0.000	0.000	440.000	-	
ii	Short wall	2.000	14.000	11.000	0.000	0.000	308.000	-	
iii	Varandah	2.000	6.000	4.000	0.000	0.000	48.000	-	
iv	Varandah	1.000	20.000	4.000	0.000	0.000	80.000	-	
v	Column	12.000	0.750	7.000	0.000	0.000	63.000	-	
vi	Door	1.000	0.500	7.000	0.000	0.000	-	3.500	
vii	Window	3.000	0.500	3.500	0.000	0.000	-	5.250	
Total Quantity					930.25 Sft (Square Foot)		86.42301575 Sqm (Square Meter)		
Amount					86.42301575 X 250.4763236		21646.92		

8. 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	Hall	1.000	20.000	14.000	0.000	0.000	280.000	-
ii	Varandah	1.000	20.000	6.000	0.000	0.000	120.000	-

iii	Beam	2.000	14.000	0.750	0.000	0.000	21.000	-
Total Quantity					421 Sft (Square Foot)		39.112163 Sqm (Square Meter)	
Amount					39.112163 X 192.56115307		7531.48	

9. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer

Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, 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	Front	2.000	21.500	4.000	0.000	0.000	172.000	-
ii	Back	2.000	21.500	12.000	0.000	0.000	516.000	-
iii	side	2.000	15.500	12.000	0.000	0.000	372.000	-
iv	Slab projection	2.000	22.500	1.000	0.000	0.000	45.000	-
v	Slab projection	2.000	24.000	1.000	0.000	0.000	48.000	-
vi	Slab p[rojection front	2.000	21.000	1.500	0.000	0.000	63.000	-
vii	Side	4.000	8.750	1.500	0.000	0.000	52.500	-
viii	Window	4.000	4.500	1.500	0.000	0.000	27.000	-
ix	Window	3.000	0.500	3.500	4.000	0.000	-	21.000
x	Door	1.000	0.500	3.500	7.000	0.000	-	12.250
Total Quantity					1262.25 Sft (Square Foot)		117.26681175 Sqm (Square Meter)	
Amount					117.26681175 X 156.86604451751		18395.18	

10. Painting (AR0922a) : Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work (Inside)

Finishing wall surface with two coats with distemper 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	Hall LW	2.000	20.000	10.500	0.000	0.000	420.000	-

ii	Short wall	2.000	14.000	105.000	0.000	0.000	2940.000	-
iii	Varandah	1.000	20.000	10.500	0.000	0.000	210.000	-
iv	Varandah	1.000	20.000	5.500	0.000	0.000	110.000	-
v	Short wall	2.000	6.000	5.500	0.000	0.000	66.000	-
vi	Column	3.000	0.750	7.000	0.000	0.000	15.750	-
vii	Slab projection	2.000	22.500	1.000	0.000	0.000	45.000	-
viii	Slab projection	2.000	24.000	1.000	0.000	0.000	48.000	-
ix	Front	2.000	20.000	1.500	0.000	0.000	60.000	-
x	Side	4.000	7.500	1.500	0.000	0.000	45.000	-
xi	Window	4.000	4.500	1.500	0.000	0.000	27.000	-
xii	Door	1.000	0.500	3.500	7.000	0.000	-	12.250
xiii	Window	3.000	0.500	3.500	4.000	0.000	-	21.000
Total Quantity					3953.5 Sft (Square Foot)		367.2920105 Sqm (Square Meter)	
Amount					367.2920105 X 147.84337616751		54301.69	
11. Painting (AR0901ci) : Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface)								
Priming one coat with outer surface primer of approved quality oil-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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	1.250	3.500	7.000	0.000	30.625	-
ii	Window	3.000	2.750	3.500	4.000	0.000	115.500	-
Total Quantity					146.125 Sft (Square Foot)		13.575450875 Sqm (Square Meter)	
Amount					13.575450875 X 68.99284786751		936.61	
12. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	2.250	3.500	7.000	0.000	55.125	-
ii	Window	3.000	2.750	3.500	4.000	0.000	115.500	-
Total Quantity					170.625 Sft (Square Foot)		15.851574375 Sqm (Square Meter)	
Amount					15.851574375 X 164.23523221452		2603.39	

13. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) 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 Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Hall	1.000	20.000	14.000	0.000	0.000	280.000	-
ii	Varandah	1.000	21.500	6.750	0.000	0.000	145.125	-
iii	Door	1.000	3.500	0.750	0.000	0.000	2.625	-
iv	VStep	2.000	21.500	1.000	0.000	0.000	43.000	-
Total Quantity					470.75 Sft (Square Foot)		43.73408725 Sqm (Square Meter)	
Amount					43.73408725 X 1536.123039101		67180.94	

14. Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Hall	3.000	20.000	0.330	0.000	0.000	19.800	-
ii	Short wall	2.000	14.000	0.330	0.000	0.000	9.240	-
iii	Coloum	12.000	0.750	0.330	0.000	0.000	2.970	-

iv	Step	2.000	21.500	0.500	0.000	0.000	21.500	-
Total Quantity					53.51 Sft (Square Foot)		4.97123953 Sqm (Square Meter)	
Amount					4.97123953 X 1581.249839101		7860.77	
Total Amount							236013.22	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							5486.50	
Provision for Contingency (+) @							2500.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							3000.00	
Provision for survey investigation and quality control (+) @								
Total Addition							13986.50	
Grand Net Total Amount							249999.72	