

Detailed Estimate

OD/358/3417/118786/424038/00069253 : Construction Of Crematerium at Jhariguda GP Rengalpali
Block : Kokasara, Gram Panchayat : Rengalpali
Created By:Kirti Ranjan Behera

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	4.000	1.200	1.200	1.200	0.000	6.912	-
ii	wall	4.000	4.100	0.750	0.600	0.000	7.380	-
iii	step	1.000	1.800	0.900	0.300	0.000	0.486	-
iv	deduction	4.000	1.200	0.750	0.600	0.000	-	2.160
Total Quantity					12.618 cum (cum)		12.618 Cum (Cubic Meter)	
Amount					12.618 X 240.77592		3038.11	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	wall	4.000	4.100	0.750	0.100	0.000	1.230	-
iii	room	1.000	3.850	3.850	0.650	0.000	9.635	-
iv	footing filling4	4.000	1.200	1.200	0.400	0.000	2.304	-
v	step	1.000	1.800	0.900	0.100	0.000	0.162	-
vi	deduction	4.000	1.200	0.750	0.100	0.000	-	0.360

Total Quantity	13.834625 cum (cum)	13.834625 Cum (Cubic Meter)
Amount	13.834625 X 585.045732	8093.89

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	column	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	wall	4.000	4.100	0.750	0.150	0.000	1.845	-
iii	room	1.000	3.850	3.850	0.150	0.000	2.223	-
iv	step	1.000	1.800	0.900	0.100	0.000	0.162	-
v	deduction	4.000	1.200	0.750	0.100	0.000	-	0.360

Total Quantity	4.734375 cum (cum)	4.734375 Cum (Cubic Meter)
Amount	4.734375 X 5399.9019558	25565.16

4. Masonry Brick Work (AR0603e) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with C.B. 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	wall	4.000	4.100	0.380	0.800	0.000	4.986	-
ii	pb side	4.000	4.000	0.080	0.300	0.000	0.384	-
iii	step	1.000	1.800	0.800	0.250	0.000	0.360	-
iv	step	1.000	1.800	0.400	0.250	0.000	0.180	-

Total Quantity	5.9096 cum (cum)	5.9096 Cum (Cubic Meter)
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Amount		5.9096 X 4926.31085904					29112.53	
5. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column footing	4.000	1.200	1.200	0.300	0.000	1.728	-
ii	column	4.000	0.600	0.600	0.250	0.000	0.360	-
iii	pedestal	4.000	0.380	0.230	0.750	0.000	0.262	-
iv	column	4.000	0.380	0.230	2.800	0.000	0.979	-
v	plinth beam	4.000	4.100	0.230	0.300	0.000	1.132	-
vi	roof slab	1.000	4.950	4.950	0.125	0.000	3.063	-
vii	beam wall	6.000	4.100	0.230	0.250	0.000	1.415	-
viii	beam wall	2.000	1.200	0.230	0.200	0.000	0.110	-
ix	top column	4.000	0.250	0.250	0.700	0.000	0.175	-
x	beam	2.000	2.300	0.230	0.150	0.000	0.159	-
xi	beam	2.000	1.200	0.230	0.150	0.000	0.083	-
xii	top slab	1.000	2.600	2.000	0.100	0.000	0.520	-
xiii	deduct opening	1.000	1.800	1.200	0.130	0.000	-	0.281
Total Quantity					9.7040925 cum (cum)		9.7040925 Cum (Cubic Meter)	
Amount		9.7040925 X 5653.912775006					54866.09	

6. 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	rod	1.000	11.110	0.000	0.000	0.000	11.110	-
Total Quantity					11.11 Qntl (Quintal)		11.11 Qntl (Quintal)	
Amount					11.11 X 8414.711172		93487.44	

7. Masonry Brick Work (AR0603ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with C.B. Bricks of size (23cm x 11cm 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	1.800	0.230	0.200	0.000	0.166	-
ii	wall	2.000	1.200	0.230	0.200	0.000	0.110	-
Total Quantity					0.276 cum (cum)		0.276 Cum (Cubic Meter)	
Amount					0.276 X 5024.96765904		1386.89	

8. 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	a.column base	4.000	2.400	0.000	0.250	0.000	2.400	-
ii	pedestal	4.000	1.220	0.000	0.750	0.000	3.660	-
Total Quantity					6.06 Sqm (Sqm)		6.06 Sqm (Square Meter)	

Amount						6.06 X 216.39264180804	1311.34	
9. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting								
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. beams, column, grider and bressmer, etc. Data for 4.2sqm								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	4.000	1.220	0.000	2.800	0.000	13.664	-
ii	beam wall	4.000	4.350	0.000	0.250	0.000	4.350	-
iii	beam wall	8.000	3.850	0.000	0.250	0.000	7.700	-
iv	beam wall	4.000	1.200	0.000	0.200	0.000	0.960	-
v	bottom	8.000	3.850	0.000	0.250	0.000	7.700	-
vi	bottom	2.000	1.200	0.000	0.250	0.000	0.600	-
vii	top beam	4.000	1.800	0.000	0.150	0.000	1.080	-
viii	top beam	4.000	1.200	0.000	0.150	0.000	0.720	-
ix	top beam	2.000	1.800	0.000	0.250	0.000	0.900	-
x	top beam	2.000	1.200	0.000	0.250	0.000	0.600	-
Total Quantity					38.274 Sqm (Sqm)		38.274 Sqm (Square Meter)	
Amount						38.274 X 1047.9038224181	40107.47	
10. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas								
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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	roof main bulding	1.000	4.950	4.950	0.000	0.000	24.503	-

ii	main bulding	1.000	2.600	2.000	0.000	0.000	5.200	-
iii	main bulding	4.000	4.950	0.125	0.000	0.000	2.475	-
iv	main bulding	2.000	2.600	0.100	0.000	0.000	0.520	-
v	main bulding	2.000	2.000	0.100	0.000	0.000	0.400	-
Total Quantity					33.0975 Sqm (Sqm)		33.0975 Sqm (Square Meter)	
Amount					33.0975 X 663.29946175911		21953.55	

11. 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	out side plinth	4.000	4.500	0.000	0.650	0.000	11.700	-
ii	top wall	2.000	1.800	0.000	0.650	0.000	2.340	-
iii	top wall	2.000	1.200	0.000	0.650	0.000	1.560	-
Total Quantity					15.6 Sqm (Sqm)		15.6 Sqm (Square Meter)	
Amount					15.6 X 169.197690256		2639.48	

12. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand 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	3.850	3.850	0.000	0.000	14.823	-
Total Quantity					14.8225 Sqm (Sqm)		14.8225 Sqm (Square Meter)	
Amount					14.8225 X 356.271233556		5280.83	

13. Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork

Priming one coat in inner surface with primer of approved quality over woodwork 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	celling	1.000	3.850	3.850	0.000	0.000	14.823	-
ii	column	4.000	1.220	2.800	0.000	0.000	13.664	-
iii	column	4.000	1.000	0.750	0.000	0.000	3.000	-
iv	beam	4.000	4.350	0.750	0.000	0.000	13.050	-
Total Quantity					44.5365 Sqm (Sqm)		44.5365 Sqm (Square Meter)	
Amount					44.5365 X 70.08994432871		3121.56	

14. Painting (AR0918Ai) : Finishing wall one coat with weather coat

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	celling two coats	2.000	3.850	3.850	0.000	0.000	29.645	-
ii	column	8.000	1.220	2.800	0.000	0.000	27.328	-
iii	column	8.000	1.000	0.750	0.000	0.000	6.000	-
iv	beam	8.000	4.350	0.750	0.000	0.000	26.100	-
Total Quantity					89.073 Sqm (Sqm)		89.073 Sqm (Square Meter)	
Amount					89.073 X 56.69488449		5049.98	
Total Amount							295014.33	
Addition								
Provision for survey investigation and quality control (+) @								

Display Citizen Board (+) @	1500.00
Provision for Contingency (+) @	3000.00
Provision for EI Work (+) @	
Provision for PH Work (+) @	
Any Other Lumpsum (+) @	485.50
Total Addition	4985.50
Grand Net Total Amount	299999.83

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