

Detailed Estimate

OD/367/3527/120676/406658/00013798 : DEV OF CREMATORIUM NOTAR

Block : Nayagarh, Gram Panchayat : Notar

Created By:Manoja Kumar Sethi

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	Column	6.000	1.200	1.200	1.200	1.000	10.368	-
ii	Long wall	2.000	2.920	0.600	0.750	1.000	2.628	-
iii	Short wall	2.000	3.150	0.600	0.750	1.000	2.835	-
iv	Pindi	5.000	5.800	0.300	0.300	1.000	2.610	-
v	Road Cutoff	2.000	60.000	0.225	0.150	1.000	4.050	-
vi	outside smasan pindi	2.000	3.650	0.750	0.300	1.000	1.643	-
vii	Entrance Gate Column	2.000	1.350	1.350	1.350	1.000	4.921	-
Total Quantity					29.05425 cum (cum)		29.05425 Cum (Cubic Meter)	
Amount					29.05425 X 240.77592		6995.56	
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	Column	6.000	1.200	1.200	0.150	1.000	1.296	-
ii	Long wall	2.000	2.920	0.600	0.150	1.000	0.526	-
iii	Short wall	2.000	3.150	0.600	0.150	1.000	0.567	-
iv	Inside	1.000	4.100	3.100	0.600	1.000	7.626	-

v	pindi	5.000	5.800	0.300	0.150	1.000	1.305	-
vi	Road Cutoff	2.000	60.000	0.225	0.100	1.000	2.700	-
vii	Road	1.000	60.000	3.200	0.100	1.000	19.200	-
viii	outside smasan pindi	2.000	3.650	0.600	0.150	1.000	0.657	-
ix	inside	2.000	3.150	0.250	0.600	1.000	0.945	-
x	Ent. Gate Column	2.000	1.350	1.350	0.150	1.000	0.547	-
Total Quantity					35.36835 cum (cum)		35.36835 Cum (Cubic Meter)	
Amount					35.36835 X 780.783732		27615.03	

3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal

Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	6.000	1.200	1.200	0.150	1.000	1.296	-
ii	Long wall	2.000	2.920	0.600	0.100	1.000	0.350	-
iii	Short wall	2.000	3.150	0.600	0.100	1.000	0.378	-
iv	Inside	1.000	4.100	3.100	0.100	1.000	1.271	-
v	Pindi	5.000	5.800	0.300	0.150	1.000	1.305	-
vi	Crematorium Base	1.000	6.100	3.650	0.150	1.000	3.340	-
vii	wall	2.000	3.650	0.250	0.750	1.000	1.369	-
viii	Road cutoff	2.000	60.000	0.225	0.200	1.000	5.400	-
ix	Road	1.000	60.000	3.200	0.100	1.000	19.200	-
x	outside smasan pindi	2.000	3.650	0.750	0.150	1.000	0.821	-
xi	Top	2.000	3.650	0.600	0.100	1.000	0.438	-

xii	Ent. Gate Column	2.000	1.350	1.350	0.150	1.000	0.547	-
Total Quantity					35.7149 cum (cum)		35.7149 Cum (Cubic Meter)	
Amount					35.7149 X 5171.4398043		184697.46	
4. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Long wall	2.000	4.500	0.500	0.450	1.000	2.025	-
ii	Short wall	2.000	3.650	0.500	0.450	1.000	1.643	-
iii	LW 2ND FOOTING	2.000	4.500	0.250	0.300	1.000	0.675	-
iv	SW 2ND FOOTING	2.000	3.650	0.250	0.300	1.000	0.548	-
Total Quantity					4.89 cum (cum)		4.89 Cum (Cubic Meter)	
Amount					4.89 X 5033.95815384		24616.06	
5. R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in-charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN BASE	6.000	1.050	1.050	0.300	1.000	1.985	-
ii	PEDESTAL	6.000	0.600	0.600	0.300	1.000	0.648	-
iii	Ent. Gate Column Base	2.000	1.200	1.200	0.300	1.000	0.864	-
iv	Ent. Gate Column Pedestal	2.000	0.600	0.600	0.300	1.000	0.216	-
Total Quantity					3.7125 cum (cum)		3.7125 Cum (Cubic Meter)	

Amount							3.7125 X 6003.5339553975	22288.12
6. R.C.C. Work (AR0404Ab) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	PB LW	2.000	4.570	0.300	0.300	1.000	0.823	-
ii	PB SW	2.000	3.650	0.300	0.300	1.000	0.657	-
Total Quantity					1.4796 cum (cum)		1.4796 Cum (Cubic Meter)	
Amount							1.4796 X 6760.3560805392	10002.62
7. R.C.C. Work (AR0404Ac) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	6.000	0.250	0.250	4.700	1.000	1.763	-
ii	ROOF BAND	2.000	4.570	0.250	0.280	1.000	0.640	-
iii		2.000	3.650	0.250	0.250	1.000	0.456	-
iv	HANGING BEAM	1.000	3.650	0.250	0.280	1.000	0.256	-
v	Ent. Gate Column	2.000	0.381	0.300	3.750	1.000	0.857	-
Total Quantity					3.9713 cum (cum)		3.9713 Cum (Cubic Meter)	
Amount							3.9713 X 14059.287342717	55833.65
8. R.C.C. Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).								

Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	SLAB	1.000	4.870	4.100	0.125	1.000	2.496	-	
ii	BENCH SLAB	1.000	4.070	0.450	0.125	1.000	0.229	-	
iii		1.000	3.150	0.450	0.125	1.000	0.177	-	
Total Quantity					2.902 cum (cum)		2.902 Cum (Cubic Meter)		
Amount					2.902 X 12305.418359788		35710.32		

9. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	ROD	1.000	13.100	0.000	0.000	100.000	1310.000	-	
Total Quantity					1310 Kg (Kilo Gram)		13.1 Qntl (Quintal)		
Amount					13.1 X 8929.3601565		116974.62		

10. 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/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	Long wall	1.000	3.820	0.250	3.050	1.000	2.913	-
ii	Short wall	2.000	3.150	0.250	1.200	1.000	1.890	-
iii	Front LW	1.000	3.820	0.250	0.600	1.000	0.573	-
iv	Pindi	5.000	5.800	0.250	1.050	1.000	7.613	-
v	Bench slab Pillar	3.000	0.600	0.250	0.600	1.000	0.270	-

vi	outside smasan pindi	4.000	3.650	0.250	0.600	1.000	2.190	-
vii	outside smasan pindi	4.000	0.150	0.250	0.600	1.000	0.090	-
Total Quantity					15.53825 cum (cum)		15.53825 Cum (Cubic Meter)	
Amount					15.53825 X 5067.28815384		78736.79	

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	Ceiling	1.000	5.570	4.100	0.000	1.000	22.837	-
ii	Slab projection	1.000	17.040	0.150	0.000	1.000	2.556	-
Total Quantity					25.393 Sqm (Sqm)		25.393 Sqm (Square Meter)	
Amount					25.393 X 191.862628384		4871.97	

12. 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	Outside	1.000	4.570	3.650	0.000	1.000	16.681	-
ii		1.000	3.650	1.050	0.000	1.000	3.833	-
iii		1.000	3.650	1.650	0.000	1.000	6.023	-
iv		1.000	4.570	1.050	0.000	1.000	4.799	-
v	Deduction Door	1.000	1.200	1.050	0.000	0.500	-	0.630
vi	Pindi	5.000	5.800	1.370	0.000	1.000	39.730	-
vii	outside smasan pindi	4.000	3.650	0.750	0.000	1.000	10.950	-
viii	outside smasan pindi	4.000	0.600	0.750	0.000	1.000	1.800	-

Total Quantity	83.184 Sqm (Sqm)	83.184 Sqm (Square Meter)
Amount	83.184 X 172.965007426	14387.92

13. 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	Inside	1.000	4.070	3.350	0.000	1.000	13.635	-
ii		1.000	3.650	0.850	0.000	1.000	3.103	-
iii		1.000	3.650	1.450	0.000	1.000	5.293	-
iv		1.000	4.570	0.850	0.000	1.000	3.885	-
v	Deduction Door	1.000	1.200	0.850	0.000	0.500	-	0.510
Total Quantity					25.404 Sqm (Sqm)		25.404 Sqm (Square Meter)	
Amount					25.404 X 247.84224461		6296.18	

14. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plaster Quantity	1.000	100.338	0.000	0.000	1.000	100.338	-
ii	Existing Compound Wall	1.000	200.000	0.000	0.000	1.000	200.000	-
iii	Existing Smashan House	1.000	29.700	0.000	0.000	0.000	29.700	-
iv	Celling	1.000	27.970	0.000	0.000	0.000	27.970	-
Total Quantity					358.008 Sqm (Sqm)		358.008 Sqm (Square Meter)	
Amount					358.008 X 71.83248932951		25716.61	

15. 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	outside Plaster Quantity	1.000	49.541	0.000	0.000	1.000	49.541	-
ii	Existing Compound Wall	1.000	200.000	0.000	0.000	1.000	200.000	-
iii	Existing Smashan House	1.000	29.700	0.000	0.000	0.000	29.700	-
iv	Ceiling	1.000	27.970	0.000	0.000	0.000	27.970	-
Total Quantity					307.211 Sqm (Sqm)		307.211 Sqm (Square Meter)	
Amount					307.211 X 156.85349521701		48187.12	

16. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

Finishing wall two coats with plastic emulsion paint 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside	1.000	50.797	0.000	0.000	1.000	50.797	-
ii	Existing Smashan House	1.000	29.700	0.000	0.000	0.000	29.700	-
iii	Celling	1.000	27.970	0.000	0.000	0.000	27.970	-
Total Quantity					108.467 Sqm (Sqm)		108.467 Sqm (Square Meter)	
Amount					108.467 X 94.7400035875		10276.16	

17. 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	Floor	1.000	4.070	3.150	0.000	1.000	12.821	-
ii	Dado	2.000	7.220	0.150	0.000	0.000	2.166	-

Total Quantity	14.9865 Sqm (Sqm)	14.9865 Sqm (Square Meter)
Amount	14.9865 X 1526.329193836	22874.33

18. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)

Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	4.070	0.000	0.600	1.000	2.442	-
ii	Wall	1.000	3.150	0.000	0.600	1.000	1.890	-
iii	Bench	1.000	7.220	0.000	0.600	1.000	4.332	-
Total Quantity					8.664 Sqm (Sqm)		8.664 Sqm (Square Meter)	
Amount					8.664 X 884.241893836		7661.07	

19. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.

20mm thick cement Plaster in CM (1:4) over stone 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	Slab Area	1.000	4.870	0.000	4.100	1.000	19.967	-
Total Quantity					19.967 Sqm (Sqm)		19.967 Sqm (Square Meter)	
Amount					19.967 X 273.326479568		5457.51	

20. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	1.200	0.000	2.100	50.000	126.000	-
ii	Ent. Gate	1.000	3.050	0.000	2.400	50.000	366.000	-
Total Quantity					492 Kg (Kilo Gram)		4.92 Qntl (Quintal)	

Amount						4.92 X 16248.316237087	79941.72	
21. 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	Road	1.000	60.000	3.650	0.100	1.000	21.900	-
ii	Expansion Joints	13.000	3.650	0.006	0.100	1.000	-	0.028
iii	outside smasan pindi top	2.000	3.650	0.600	0.050	1.000	0.219	-
Total Quantity					22.09053 cum (cum)		22.09053 Cum (Cubic Meter)	
Amount					22.09053 X 6958.8341581		153724.33	
22. 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	Road	2.000	60.000	0.000	0.250	1.000	30.000	-
Total Quantity					30 Sqm (Sqm)		30 Sqm (Square Meter)	
Amount					30 X 216.23489289764		6487.05	
23. Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken)								
4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (Old Work)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab Area	1.000	7.500	6.500	0.000	1.000	48.750	-
Total Quantity					48.75 Sqm (Sqm)		48.75 Sqm (Square Meter)	
Amount					48.75 X 739.093920489		36030.83	
Total Amount							985383.03	

Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	11116.78
Provision for Contingency (+) @	0.00
Display Citizen Board (+) @	3500.00
Any Other Lumpsum (+) @	
Total Addition	14616.78
Grand Net Total Amount	999999.81