

Detailed Estimate

OD/373/3583/121675/384592/00067367 : Construction of Cultural Centre at Fikodchundi

Block : Lathikata, Gram Panchayat : Bad-Dalki

Created By:SMITA NATH

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	L Wall	2.000	8.000	0.450	0.450	0.000	3.240	-	
ii	S wall	2.000	4.200	0.450	0.450	0.000	1.701	-	
iii	Pillar	4.000	1.050	1.050	1.050	0.000	4.631	-	
iv	PP	2.000	10.060	0.450	0.150	0.000	1.358	-	
v	PP	2.000	4.650	0.450	0.150	0.000	0.628	-	
vi	Pillars	4.000	1.050	0.450	0.450	0.000	-	0.851	
Total Quantity					10.70685 cum (cum)		10.70685 Cum (Cubic Meter)		
Amount					10.70685 X 240.77592		2577.95		
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	L wall	2.000	8.000	0.450	0.100	0.000	0.720	-	
ii	S wall	2.000	4.200	0.450	0.100	0.000	0.378	-	
iii	Pillar	4.000	1.050	1.050	0.100	0.000	0.441	-	
iv	hall	1.000	7.320	4.420	0.150	0.000	4.853	-	

v	PP	2.000	10.060	0.450	0.150	0.000	1.358	-	
vi	PP	2.000	4.650	0.450	0.150	0.000	0.628	-	
vii	Pillars	4.000	1.050	0.450	0.100	0.000	-	0.189	
Total Quantity					8.18901 cum (cum)		8.18901 Cum (Cubic Meter)		
Amount					8.18901 X 691.408832		5661.95		

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	L wall	2.000	8.000	0.450	0.100	0.000	0.720	-	
ii	S Wall	2.000	4.200	0.450	0.100	0.000	0.378	-	
iii	Pillar	4.000	1.050	1.050	0.150	0.000	0.662	-	
iv	hall	1.000	7.320	4.420	0.100	0.000	3.235	-	
v	PP	2.000	10.060	0.450	0.100	0.000	0.905	-	
vi	PP	2.000	4.650	0.450	0.100	0.000	0.419	-	
vii	Pillars	4.000	1.050	0.450	0.100	0.000	-	0.189	
Total Quantity					6.12984 cum (cum)		6.12984 Cum (Cubic Meter)		
Amount					6.12984 X 5628.55946352		34502.17		

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/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
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i	L wall	2.000	7.780	0.230	0.250	0.000	0.895	-	
ii	S wall	2.000	4.420	0.230	0.250	0.000	0.508	-	
iii	I wall	2.000	7.780	0.230	0.450	0.000	1.610	-	
iv	s wall	2.000	4.420	0.230	0.450	0.000	0.915	-	
v	PP	2.000	10.060	0.125	0.250	0.000	0.629	-	
vi	PP	2.000	4.650	0.125	0.250	0.000	0.291	-	
vii	Pillars	4.000	0.230	0.230	0.450	0.000	-	0.095	
Total Quantity					4.752555 cum (cum)		4.752555 Cum (Cubic Meter)		
Amount					4.752555 X 5041.540819336		23960.20		

5. 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	I wall	2.000	7.780	0.230	3.050	0.000	10.915	-
ii	s wall	2.000	4.420	0.230	3.050	0.000	6.201	-
iii	pp	2.000	10.060	0.230	0.250	0.000	1.157	-
iv	pp	2.000	4.650	0.230	0.250	0.000	0.535	-
v	D	2.000	1.200	0.230	2.100	0.000	-	1.159
vi	W	3.000	1.050	0.230	1.200	0.000	-	0.869
vii	VENT	2.000	0.450	0.230	3.050	0.000	-	0.631
viii	PILLOR	4.000	0.230	0.230	3.050	0.000	-	0.645
ix	L BEND	1.000	24.390	0.230	0.150	0.000	-	0.841

Total Quantity	14.661465 cum (cum)	14.661465 Cum (Cubic Meter)
Amount	14.661465 X 5074.870819336	74405.04

6. 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	pillor	4.000	1.050	1.050	0.200	0.000	0.882	-
ii	pillor	4.000	0.230	0.230	0.850	0.000	0.180	-
iii	pl beam	2.000	7.780	0.230	0.250	0.000	0.895	-
iv	pl beam	2.000	4.420	0.230	0.250	0.000	0.508	-
Total Quantity					2.46486 cum (cum)		2.46486 Cum (Cubic Meter)	
Amount					2.46486 X 6131.9477061361		15114.39	

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	pillor	4.000	0.230	0.230	3.200	0.000	0.677	-
ii	beam	2.000	4.420	0.230	0.300	0.000	0.610	-
iii	w beam	2.000	7.780	0.230	0.150	0.000	0.537	-
iv	w beam	2.000	4.420	0.230	0.150	0.000	0.305	-
Total Quantity					2.12888 cum (cum)		2.12888 Cum (Cubic Meter)	

Amount		2.12888 X 14208.956212386					30249.16	
8. R.C.C. Work (AR0404Ad) : 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 Lintels)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel	2.000	7.780	0.230	0.150	0.000	0.537	-
ii	lintel	2.000	4.420	0.230	0.150	0.000	0.305	-
iii	pillor	4.000	0.230	0.230	0.150	0.000	-	0.032
Total Quantity					0.81006 cum (cum)		0.81006 Cum (Cubic Meter)	
Amount		0.81006 X 12806.179377286					10373.77	
9. 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 specificaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pp	2.000	10.060	0.230	0.080	0.000	0.370	-
ii	pp	2.000	4.650	0.230	0.080	0.000	0.171	-
Total Quantity					0.541328 cum (cum)		0.541328 Cum (Cubic Meter)	
Amount		0.541328 X 7084.12265224					3834.83	
10. 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	ms rod	1.000	9.780	1.000	1.000	0.000	9.780	-
Total Quantity					9.78 Qntl (Quintal)		9.78 Qntl (Quintal)	
Amount					9.78 X 8698.2733887		85069.11	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	l wall	2.000	7.800	0.450	1.000	0.000	7.020	-
ii	s wall	2.000	5.340	0.450	1.000	0.000	4.806	-
iii	l wall	2.000	7.800	3.050	0.000	0.000	47.580	-
iv	s wall	2.000	4.880	3.050	0.000	0.000	29.768	-
v	d	2.000	1.200	2.100	0.000	0.000	-	5.040
vi	w	3.000	0.900	1.200	0.000	0.000	-	3.240
vii	vent	2.000	0.450	0.300	0.000	0.000	-	0.270
Total Quantity					80.624 Sqm (Sqm)		80.624 Sqm (Square Meter)	
Amount					80.624 X 168.5732814304		13591.05	

12. 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	7.320	1.000	3.050	0.000	44.652	-
ii	hall	2.000	4.420	1.000	3.050	0.000	26.962	-

iii	D	2.000	1.200	2.100	0.000	0.000	5.040	-
iv	w	3.000	1.050	1.200	0.000	0.000	3.780	-
v	vent	2.000	0.450	0.300	0.000	0.000	0.270	-
Total Quantity					80.704 Sqm (Sqm)		80.704 Sqm (Square Meter)	
Amount					80.704 X 242.568789584		19576.27	

13. 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	7.320	4.420	0.000	0.000	32.354	-
Total Quantity					32.3544 Sqm (Sqm)		32.3544 Sqm (Square Meter)	
Amount					32.3544 X 188.0340667936		6083.73	

14. Other Building Items. (AR1901A) : Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and fillin

Supplying, fitting and fixing Vitrified Tile 600mmx600mm Plain (Ivory) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&P,etc. required for the work all complete as per direction of Engineer-in-Charge(for repair work only)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	2.000	7.320	4.420	0.000	0.000	64.709	-
ii	step	2.000	1.200	0.450	0.000	0.000	1.080	-
Total Quantity					65.7888 Sqm (Sqm)		65.7888 Sqm (Square Meter)	
Amount					65.7888 X 2111.328793985		138901.79	

15. Flooring (AR0817aa) : First floor

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm conforming 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	2.000	16.150	0.150	1.000	0.000	4.845	-
Total Quantity					4.845 Sqm (Sqm)		4.845 Sqm (Square Meter)	
Amount					4.845 X 1567.156528573		7592.87	

16. 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	pa	132.600	0.000	0.000	0.000	0.000	132.600	-
Total Quantity					132.6 Sqm (Sqm)		132.6 Sqm (Square Meter)	
Amount					132.6 X 78.91657725		10464.34	

17. Painting (AR0901c) : Priming one coat with inner surface primer of approved quality oil-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	p	217.980	0.000	0.000	0.000	0.000	217.980	-
Total Quantity					217.98 Sqm (Sqm)		217.98 Sqm (Square Meter)	
Amount					217.98 X 69.01504031471		15043.90	

18. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	d	3.300	0.000	0.000	0.000	0.000	3.300	-
Total Quantity					3.3 Qntl (Quintal)		3.3 Qntl (Quintal)	
Amount					3.3 X 16028.233601087		52893.17	
19. 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	p	105.650	0.000	0.000	0.000	0.000	105.650	-
Total Quantity					105.65 Sqm (Sqm)		105.65 Sqm (Square Meter)	
Amount					105.65 X 156.92126143971		16578.73	
20. Other Building Items. (AR1902) : cement based wall putty (water based)								
Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	p	217.980	0.000	0.000	0.000	0.000	217.980	-
Total Quantity					217.98 Sqm (Sqm)		217.98 Sqm (Square Meter)	
Amount					217.98 X 79.21834		17268.01	
Total Amount							583742.46	
Addition								
Provision for PH Work (+) @							0.00	
Provision for EI Work (+) @							11257.00	
Provision for Contingency (+) @							0.00	
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @								

Provision for survey investigation and quality control (+) @	0.00
Total Addition	16257.00
Grand Net Total Amount	599999.46

SMITA NATH
JE
Lathikata Block

LASA MARANDI
AEE
Lathikata Block

BDO LATHIKATA
BDO
Lathikata Block