

## Detailed Estimate

**OD/373/3583/121682/384584/00067365 : Construction of Cultural Centre at Buchahanda**

**Block : Lathikata, Gram Panchayat : Jadakudar**

**Created By:SMITA NATH**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	11.040	0.450	0.450	0.000	4.471	-
ii	S Wall	2.000	4.050	0.450	0.450	0.000	1.640	-
iii	Pillor	8.000	1.050	1.050	1.050	0.000	9.261	-
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	pillor	8.000	1.050	0.450	0.450	0.000	-	1.701
<b>Total Quantity</b>					<b>15.6573 cum (cum)</b>		<b>15.6573 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>15.6573 X 240.77592</b>		<b>3769.90</b>	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	11.040	0.450	0.100	0.000	0.994	-
ii	S Wall	2.000	4.050	0.450	0.100	0.000	0.365	-
iii	Pillor	8.000	1.050	1.050	0.050	0.000	0.441	-
iv	Hall	1.000	10.360	4.270	0.150	0.000	6.636	-

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	pillor	8.000	1.050	0.450	0.100	0.000	-	0.378	
Total Quantity					10.04253 cum (cum)		10.04253 Cum (Cubic Meter)		
Amount					10.04253 X 520.456232		5226.70		

### 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	L Wall	2.000	11.040	0.450	0.100	0.000	0.994	-	
ii	S Wall	2.000	4.050	0.450	0.100	0.000	0.365	-	
iii	Pillor	8.000	1.050	1.050	0.150	0.000	1.323	-	
iv	Hall	1.000	10.360	4.270	0.100	0.000	4.424	-	
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	pillor	8.000	1.050	0.450	0.100	0.000	-	0.378	
Total Quantity					8.05072 cum (cum)		8.05072 Cum (Cubic Meter)		
Amount					8.05072 X 5407.63610352		43535.36		

### 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<sup>2</sup> with dimensional tolerance  $\pm 8$  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
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i	L Wall	2.000	10.820	0.230	0.300	0.000	1.493	-	
ii	S Wall	2.000	4.270	0.230	0.300	0.000	0.589	-	
iii	pp	2.000	10.060	0.130	0.300	0.000	0.785	-	
iv	Pp	2.000	4.650	0.130	0.300	0.000	0.363	-	
v	L Wall	2.000	10.820	0.230	0.450	0.000	2.240	-	
vi	S wall	2.000	4.270	0.230	0.450	0.000	0.884	-	
vii	pillor	8.000	0.230	0.230	0.450	0.000	-	0.190	
Total Quantity					6.16299 cum (cum)		6.16299 Cum (Cubic Meter)		
Amount					6.16299 X 4941.621216336		30455.16		

**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/cm<sup>2</sup> with dimensional tolerance  $\pm 8$  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	L wall	2.000	10.820	0.230	3.050	0.000	15.181	-
ii	S wall	2.000	4.270	0.230	3.050	0.000	5.991	-
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	Door	2.000	1.200	0.230	2.100	0.000	-	1.159
vi	Window	3.000	1.050	0.230	1.200	0.000	-	0.869
vii	Vantilator	2.000	0.450	0.230	0.300	0.000	-	0.062
viii	Pillor	8.000	0.230	0.230	3.050	0.000	-	1.291
ix	Lintel band	1.000	30.180	0.230	0.150	0.000	-	1.041

Total Quantity	18.44025 cum (cum)	18.44025 Cum (Cubic Meter)
Amount	18.44025 X 4974.951216336	91739.34

**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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth Beam	2.000	10.820	0.230	0.250	0.000	1.244	-
ii	Plinth Beam	2.000	4.270	0.230	0.250	0.000	0.491	-
iii	Pillor	8.000	1.050	1.050	0.200	0.000	1.764	-
iv	Pillor	8.000	0.230	0.230	0.450	0.000	0.190	-
v	Pillor	8.000	0.230	0.230	0.450	0.000	0.190	-
Total Quantity					3.88023 cum (cum)		3.88023 Cum (Cubic Meter)	
Amount					3.88023 X 5903.4089038737		22906.58	

**7. 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	Plinth Protection	2.000	10.060	0.230	0.080	0.000	0.370	-
ii	Plinth Protection	2.000	4.650	0.230	0.080	0.000	0.171	-
Total Quantity					0.541328 cum (cum)		0.541328 Cum (Cubic Meter)	

<b>Amount</b>				<b>0.541328 X 6877.00700224</b>			<b>3722.72</b>	
<b>8. 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</b>								
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	1	1.000	13.130	1.000	1.000	0.000	13.130	-
Total Quantity					13.13 Qntl (Quintal)		13.13 Qntl (Quintal)	
<b>Amount</b>				<b>13.13 X 8684.4031092</b>			<b>114026.21</b>	
<b>9. Concrete (AR0317) : Fifth Floor</b>								
2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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 specifaicaion and direction of Engineer-in charge. (new work)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof Area	11.120	5.030	0.000	0.000	0.000	55.934	-
Total Quantity					55.9336 Sqm (Sqm)		55.9336 Sqm (Square Meter)	
<b>Amount</b>				<b>55.9336 X 577.9424215334</b>			<b>32326.40</b>	
<b>10. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>								
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	10.820	3.050	0.000	0.000	66.002	-
ii	s wall	2.000	4.730	3.050	0.000	0.000	28.853	-
iii	l wall	2.000	10.840	0.450	0.000	0.000	9.756	-

iv	s wall	2.000	5.190	0.450	0.000	0.000	4.671	-
v	D	2.000	1.200	2.100	0.000	0.000	5.040	-
vi	W	3.000	1.050	1.200	0.000	0.000	3.780	-
vii	VENT	2.000	0.450	0.300	0.000	0.000	0.270	-
Total Quantity					118.372 Sqm (Sqm)		118.372 Sqm (Square Meter)	
Amount					118.372 X 166.0089924304		19650.82	

**11. 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	L WALL	2.000	10.360	3.050	0.000	0.000	63.196	-
ii	S WALL	2.000	4.270	3.050	0.000	0.000	26.047	-
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					98.333 Sqm (Sqm)		98.333 Sqm (Square Meter)	
Amount					98.333 X 240.675160784		23666.31	

**12. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	HALL	1.000	1.000	10.360	4.270	0.000	44.237	-

Total Quantity	44.2372 Sqm (Sqm)	44.2372 Sqm (Square Meter)
Amount	44.2372 X 187.2450547936	8283.20

### 13. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	HALL	1.000	10.360	4.270	0.000	0.000	44.237	-
ii	STEP	2.000	1.200	0.450	0.000	0.000	1.080	-
Total Quantity					45.3172 Sqm (Sqm)		45.3172 Sqm (Square Meter)	
Amount					45.3172 X 1003.1296711622		45459.03	

### 14. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	HALL	2.000	14.630	0.150	0.000	0.000	4.389	-
Total Quantity					4.389 Sqm (Sqm)		4.389 Sqm (Square Meter)	
Amount					4.389 X 1524.003762059		6688.85	

### 15. 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	DIS	129.830	0.000	0.000	0.000	0.000	129.830	-

Total Quantity		129.83 Sqm (Sqm)		129.83 Sqm (Square Meter)				
Amount		129.83 X 78.883552775		10241.45				
<b>16. Painting (AR0918Ai) : Finishing wall one coat with weather coat</b>								
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	WEA	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 57.1055093325		6033.20				
<b>17. miscellaneous (ARM105) : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.</b>								
Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LAB	7.020	0.000	0.000	0.000	0.000	7.020	-
Total Quantity		7.02 Sqm (Sqm)		7.02 Sqm (Square Meter)				
Amount		7.02 X 16.22		113.86				
<b>18. Other Building Items. (AR1902) : cement based wall putty (water based)</b>								
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	PUTTY	235.470	0.000	0.000	0.000	0.000	235.470	-
Total Quantity		235.47 Sqm (Sqm)		235.47 Sqm (Square Meter)				
Amount		235.47 X 79.21834		18653.54				

<b>19. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)</b>								
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	PAINT	15.800	0.000	0.000	0.000	0.000	15.800	-
Total Quantity					15.8 Sqm (Sqm)		15.8 Sqm (Square Meter)	
Amount					15.8 X 164.25174445202		2595.18	
<b>20. Painting (AR0901c) : Priming one coat with inner surface primer of approved quality oil-bound primer over plastering surfaces (Inner surface)</b>								
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	PRI	235.470	0.000	0.000	0.000	0.000	235.470	-
Total Quantity					235.47 Sqm (Sqm)		235.47 Sqm (Square Meter)	
Amount					235.47 X 69.00394409111		16248.36	
<b>21. R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall Beam	2.000	10.820	0.230	0.150	0.000	0.747	-
ii	Wall Beam	2.000	4.270	0.230	0.150	0.000	0.295	-
iii	Beam	2.000	4.270	0.230	0.300	0.000	0.589	-
iv	Pillor	8.000	0.230	0.230	3.200	0.000	1.354	-
v	PILLOR	8.000	0.230	0.230	0.150	0.000	-	0.063

Total Quantity			2.92123 cum (cum)				2.92123 Cum (Cubic Meter)	
Amount			2.92123 X 13970.970690599				40812.42	
<b>22. R.C.C. Work (AR0404Ad) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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 L Wall	2.000	10.820	0.230	0.250	0.000	1.244	-
ii	Lintel	2.000	4.270	0.230	0.250	0.000	0.491	-
iii	Pillor	8.000	0.230	0.230	0.230	0.000	-	0.097
Total Quantity			1.638014 cum (cum)				1.638014 Cum (Cubic Meter)	
Amount			1.638014 X 12584.805742851				20614.09	
<b>23. Iron Work (AR1704) : Iron Doors and windows fixing</b>								
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
i	DOOR	4.300	0.000	0.000	0.000	0.000	4.300	-
Total Quantity			4.3 Qntl (Quintal)				4.3 Qntl (Quintal)	
Amount			4.3 X 16015.023811087				68864.60	
Total Amount							635633.29	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @							10310.00	

Provision for Contingency (+) @	6575.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>21885.00</b>
<b>Grand Net Total Amount</b>	<b>657518.29</b>

**SMITA NATH**  
**JE**  
**Lathikata Block**

**LASA MARANDI**  
**AEE**  
**Lathikata Block**

**BDO LATHIKATA**  
**BDO**  
**Lathikata Block**