

## Detailed Estimate

**OD/363/3468/119751/428226/00069027 : CONSTRUCTION OF COMMUNITY CENTRE AT TALA SAHI**

**Block : Borigumma, Gram Panchayat : Malda**

**Created By: Sarmila Nayak**

<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	columns	9.000	1.200	1.200	1.200	0.000	15.552	-
ii	Long wall	2.000	7.500	0.750	0.750	0.000	8.438	-
iii	Short wall	2.000	3.500	0.750	0.750	0.000	3.938	-
iv	column	9.000	1.200	0.750	0.750	0.000	-	6.075
<b>Total Quantity</b>					21.852 cum (cum)		21.852 Cum (Cubic Meter)	
<b>Amount</b>					21.852 X 240.77592		5261.44	
<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	column	9.000	1.200	1.200	0.100	0.000	1.296	-
ii	long wall	8.500	0.750	0.750	0.100	0.000	0.478	-
iii	short wall	2.000	3.500	0.750	0.100	0.000	0.525	-
iv	inside-hall	1.000	7.300	3.540	0.450	0.000	11.629	-
v	column	9.000	1.200	0.750	0.100	0.000	-	0.810
<b>Total Quantity</b>					13.118025 cum (cum)		13.118025 Cum (Cubic Meter)	

<b>Amount</b>			<b>13.118025 X 816.083232</b>				<b>10705.40</b>	
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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	column	9.000	1.200	1.200	0.150	0.000	1.944	-
ii	long wall	2.000	8.500	0.750	0.750	0.000	9.563	-
iii	short wall	2.000	3.500	0.750	0.100	0.000	0.525	-
iv	hall	1.000	8.300	3.540	0.100	0.000	2.938	-
v	column	9.000	1.200	0.750	0.150	0.000	1.215	-
Total Quantity					16.1847 cum (cum)		16.1847 Cum (Cubic Meter)	
<b>Amount</b>			<b>16.1847 X 5477.37603994</b>				<b>88649.69</b>	
<b>4. Masonry Stone Work (AR0717i) : Laterite stone masonry in cement mortar (1:6) in superstructure</b>								
Laterite stone masonry in cement mortar (1:6) in superstructure cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	1st footing long wall	2.000	7.500	0.500	0.300	0.000	2.250	-
ii	short wall	2.000	3.250	0.500	0.300	0.000	0.975	-
iii	2nd footing	2.000	7.150	0.400	0.300	0.000	1.716	-
iv		2.000	3.150	0.400	0.300	0.000	0.756	-
v	deduct column	9.000	0.230	0.230	0.600	0.000	-	0.286
Total Quantity					5.41134 cum (cum)		5.41134 Cum (Cubic Meter)	
<b>Amount</b>			<b>5.41134 X 5490.111478592</b>				<b>29708.86</b>	

**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	wall	2.000	7.980	0.230	2.700	0.000	9.911	-
ii		2.000	2.980	0.230	2.700	0.000	3.701	-
iii	door	2.000	1.050	0.230	2.100	0.000	-	1.014
iv	column	9.000	0.230	0.230	2.700	0.000	-	1.285
v	window	4.000	0.900	0.230	1.200	0.000	-	0.994
Total Quantity					10.31895 cum (cum)		10.31895 Cum (Cubic Meter)	
Amount					10.31895 X 5134.298275592		52980.57	

**6. 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 hunched	9.000	0.800	0.800	0.300	0.000	1.728	-
ii	Beam	2.000	7.980	0.230	0.230	0.000	0.844	-
iii		2.000	2.980	0.230	0.230	0.000	0.315	-
iv		2.000	2.980	0.230	0.230	0.000	0.315	-
Total Quantity					3.202852 cum (cum)		3.202852 Cum (Cubic Meter)	
Amount					3.202852 X 14083.22339764		45106.48	

**7. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	5.450	0.000	3.000	0.000	16.350	-
ii		2.000	5.000	0.000	0.700	0.000	7.000	-
iii		2.000	4.560	0.000	3.000	0.000	27.360	-
Total Quantity					50.71 Sqm (Sqm)		50.71 Sqm (Square Meter)	
Amount					50.71 X 171.7495120988		8709.42	

**8. 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		3.000	8.300	0.000	3.000	0.000	74.700	-
ii		2.000	5.000	0.000	3.000	0.000	30.000	-
iii		2.000	2.000	0.000	3.000	0.000	12.000	-
iv	door	2.000	0.900	0.000	2.000	0.000	-	3.600
v	window	4.000	0.900	0.000	1.200	0.000	-	4.320
Total Quantity					108.78 Sqm (Sqm)		108.78 Sqm (Square Meter)	
Amount					108.78 X 246.381742998		26801.41	

**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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hysd	1.000	7.000	0.000	0.000	0.000	7.000	-
Total Quantity					7 Qntl (Quintal)		7 Qntl (Quintal)	
Amount					7 X 8683.1421747		60782.00	

**10. 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	room	2.000	4.500	0.000	0.100	0.000	0.900	-
ii		2.000	5.000	0.000	0.100	0.000	1.000	-
iii	var	1.000	3.650	0.000	0.100	0.000	0.365	-
Total Quantity					2.265 Sqm (Sqm)		2.265 Sqm (Square Meter)	
Amount					2.265 X 1533.272551956		3472.86	

**11. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips**

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 specifaicon and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	5.700	4.700	0.000	0.000	26.790	-
Total Quantity					26.79 Sqm (Sqm)		26.79 Sqm (Square Meter)	
Amount					26.79 X 352.2256323788		9436.12	

**12. Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside.**

20mm thick cement Plaster in CM (1:6) for 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	outside	1.000	7.980	0.000	0.450	0.000	3.591	-
ii		1.000	2.980	0.000	0.450	0.000	1.341	-
Total Quantity					4.932 Sqm (Sqm)		4.932 Sqm (Square Meter)	
Amount					4.932 X 258.387815402		1274.37	

**13. 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	base	9.000	1.200	1.200	0.150	0.000	1.944	-
Total Quantity					1.944 cum (cum)		1.944 Cum (Cubic Meter)	
Amount					1.944 X 6027.4700103203		11717.40	

**14. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth	2.000	7.980	0.230	0.230	0.000	0.844	-
ii		3.000	2.980	0.230	0.230	0.000	0.473	-
Total Quantity					1.31721 cum (cum)		1.31721 Cum (Cubic Meter)	
Amount					1.31721 X 6784.292135462		8936.34	

**15. 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	7.980	0.230	0.150	0.000	0.551	-
ii		2.000	2.980	0.230	0.150	0.000	0.206	-
Total Quantity					0.75624 cum (cum)		0.75624 Cum (Cubic Meter)	
Amount					0.75624 X 12691.754238851		9598.01	

**16. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	6.300	4.700	0.100	0.000	2.961	-
Total Quantity					2.961 cum (cum)		2.961 Cum (Cubic Meter)	
Amount					2.961 X 12329.35441471		36507.22	

**17. 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	room	1.000	4.500	5.000	0.000	0.000	22.500	-
ii	var	1.000	3.650	2.000	0.000	0.000	7.300	-
Total Quantity					29.8 Sqm (Sqm)		29.8 Sqm (Square Meter)	
Amount					29.8 X 1012.9291605294		30185.29	

**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
i	door	2.000	1.050	0.000	2.100	28.000	123.480	-
ii	window	4.000	0.900	0.000	1.200	32.000	138.240	-
Total Quantity					261.72 Kg (Kilo Gram)		2.6172 Qntl (Quintal)	
Amount					2.6172 X 16013.822921087		41911.38	
Total Amount							481744.24	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @							6000.00	
Provision for Contingency (+) @							4817.44	
Display Citizen Board (+) @							4000.00	
Any Other Lumpsum (+) @							3438.00	
Provision for survey investigation and quality control (+) @								
Total Addition							18255.44	
Grand Net Total Amount							499999.68	

Sarmila Nayak  
JE  
Borigumma Block

Prakash Kumar Pradhan  
AEE  
Borigumma Block

SUKANTA KUMAR PATNAIK  
BDO  
Borigumma Block