

## Detailed Estimate

**OD/364/3484/119972/430280/00013434 : Construction of Market Complex at Matapaka**

**Block : Malkangiri, Panchayat : Matapaka**

**Created By:Er.BUDHIRAM TIYU**

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
<b>1. Earth Work (AR0122Ai1) : Earthwork in all kinds of soil within 50m to 75m 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</b>								
Earthwork in all kinds of soil within 50m to 75m 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 direction of the Engineer-in-charge.								
i	earth work long wall	2.000	14.000	0.600	0.600	0.000	10.080	-
ii	short wall	2.000	5.500	0.600	0.600	0.000	3.960	-
iii	column	10.000	1.200	1.200	1.200	0.000	17.280	-
iv	deduction for column	12.000	1.200	0.600	0.600	0.000	-	5.184
<b>Total Quantity</b>					<b>26.136 cum (cum)</b>		<b>26.136 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>26.136 X 229.87334168</b>		<b>6007.97</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	long wall	2.000	14.000	0.600	0.100	0.000	1.680	-
ii	short wall	2.000	5.500	0.600	0.100	0.000	0.660	-
iii	column	10.000	1.200	1.200	0.100	0.000	1.440	-
iv	steps	2.000	14.000	0.600	0.100	0.000	1.680	-
v	Rooms	4.000	4.000	3.000	0.300	0.000	14.400	-
vi	verendah	1.000	14.000	1.000	0.300	0.000	4.200	-
<b>Total Quantity</b>					<b>24.06 cum (cum)</b>		<b>24.06 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>24.06 X 514.258872</b>		<b>12373.07</b>	

**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	long wall	2.000	14.000	0.600	0.150	0.000	2.520	-
ii	short wall	2.000	5.500	0.600	0.150	0.000	0.990	-
iii	column	10.000	1.200	1.200	0.150	0.000	2.160	-
iv	rooms	4.000	3.000	4.250	0.150	0.000	7.650	-
v	verndah	1.000	14.000	1.200	0.100	0.000	1.680	-
vi	steps	2.000	14.000	0.600	0.100	0.000	1.680	-
Total Quantity					16.68 cum (cum)		16.68 Cum (Cubic Meter)	
Amount					16.68 X 5891.94217312		98277.60	

**4. R.C.C. Work (AR0405Ac) : Reinforced cement concrete work of M-25 grade with 20mm & down grade size black hard crusher broken granite chips**

Reinforced cement concrete work of M-25 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 centering and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bresher etc)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column footing	10.000	1.200	1.200	0.300	0.000	4.320	-
ii	plinth beam	1.000	38.000	0.230	0.230	0.000	2.010	-
iii	column base	10.000	1.200	0.230	1.200	0.000	3.312	-
iv	coulmn a	10.000	0.230	0.230	2.800	0.000	1.481	-
v	lintel	1.000	34.500	0.230	0.150	0.000	1.190	-
vi	roof beam	1.000	45.000	0.230	0.300	0.000	3.105	-
vii	slab	1.000	14.000	6.000	0.125	0.000	10.500	-
Total Quantity					25.91865 cum (cum)		25.91865 Cum (Cubic Meter)	

<b>Amount</b>			<b>25.91865 X 15121.493323217</b>				<b>391928.69</b>	
<b>5. 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	0.90 % of the RCC	1.000	22.000	0.000	0.000	0.000	22.000	-
Total Quantity					22 Qntl (Quintal)		22 Qntl (Quintal)	
<b>Amount</b>			<b>22 X 8729.0594512</b>				<b>192039.31</b>	
<b>6. Masonry Brick Work (AR0602di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure</b>								
Brickwork with C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure having crushing strength not less than 75.00 Kg/cm <sup>2</sup> 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	walls	4.000	3.000	4.000	0.000	0.000	48.000	-
ii	deduction for opening	4.000	2.350	2.450	0.000	0.000	-	23.030
iii	deduction lintel	1.000	34.400	0.230	0.150	0.000	-	1.187
Total Quantity					23.7832 cum (cum)		23.7832 Cum (Cubic Meter)	
<b>Amount</b>			<b>23.7832 X 5253.5995875</b>				<b>124947.41</b>	
<b>7. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips</b>								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	rooms	1.000	4.000	3.000	0.000	0.000	12.000	-
ii	verendah	1.000	14.000	1.000	0.000	0.000	14.000	-
Total Quantity					26 Sqm (Sqm)		26 Sqm (Square Meter)	

<b>Amount</b>					<b>26 X 368.9432416224</b>	<b>9592.52</b>		
<b>8. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b>								
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	inner side	2.000	14.000	2.800	0.000	0.000	78.400	-
Total Quantity					78.4 Sqm (Sqm)		78.4 Sqm (Square Meter)	
<b>Amount</b>					<b>78.4 X 248.225549104</b>	<b>19460.88</b>		
<b>9. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside</b>								
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	outer side	2.000	14.000	2.800	0.000	0.000	78.400	-
ii	deduction	4.000	2.350	2.450	0.000	0.000	-	23.030
Total Quantity					55.37 Sqm (Sqm)		55.37 Sqm (Square Meter)	
<b>Amount</b>					<b>55.37 X 174.0206954224</b>	<b>9635.53</b>		
<b>10. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)</b>								
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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	qnty vide AR1004and AR1014	1.000	144.000	0.000	0.000	0.000	144.000	-
Total Quantity					144 Sqm (Sqm)		144 Sqm (Square Meter)	
<b>Amount</b>					<b>144 X 80.9452178</b>	<b>11656.11</b>		
<b>11. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)</b>								

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	vide AR1004 And AR1014	1.000	114.000	0.000	0.000	0.000	114.000	-
Total Quantity					114 Sqm (Sqm)		114 Sqm (Square Meter)	
<b>Amount</b>					<b>114 X 70.771686514133</b>		<b>8067.97</b>	

## 12. 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	rolling shutter	4.000	2.350	2.400	25.000	0.000	564.000	-
Total Quantity					564 Kg (Kilo Gram)		5.64 Qntl (Quintal)	
<b>Amount</b>					<b>5.64 X 15909.502732976</b>		<b>89729.60</b>	
<b>Total Amount</b>							<b>973716.66</b>	

### Addition

Provision for PH Work (+) @								
Provision for EI Work (+) @							3283.00	
Provision for Contingency (+) @							10000.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							10000.00	
<b>Total Addition</b>							<b>26283.00</b>	
<b>Grand Net Total Amount</b>							<b>999999.66</b>	