

Detailed Estimate

OD/354/3380/117899/411489/00071788 : Renovation of Gramadevi Mandir at Ustapada, Banthapalli GP
Block : Polosara, Gram Panchayat : Banthapalli
Created By:Subhasmita Patro

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	15.000	2.000	2.500	0.000	75.000	-
ii		1.000	23.250	2.000	3.500	0.000	162.750	-
iii		1.000	27.750	2.000	3.500	0.000	194.250	-
iv		1.000	11.170	2.000	3.500	0.000	78.190	-
v		1.000	1.750	2.000	3.500	0.000	12.250	-
vi		1.000	2.250	2.000	3.500	0.000	15.750	-
vii	Column	2.000	5.000	5.000	5.000	0.000	250.000	-
Total Quantity					788.19 Cft (Cubic Foot)		22.319018592 Cum (Cubic Meter)	
Amount					22.319018592 X 240.77592		5373.88	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary Wall	1.000	15.000	2.000	0.500	0.000	15.000	-
ii		1.000	23.250	2.000	0.500	0.000	23.250	-

iii		1.000	27.750	2.000	0.500	0.000	27.750	-
iv		1.000	11.170	2.000	0.500	0.000	11.170	-
v		1.000	1.750	2.000	0.500	0.000	1.750	-
vi		1.000	2.250	2.000	0.500	0.000	2.250	-
vii	column base below sand filling	2.000	5.000	5.000	0.500	0.000	25.000	-
Total Quantity					106.17 Cft (Cubic Foot)		3.006394656 Cum (Cubic Meter)	
Amount					3.006394656 X 506.336432		1522.25	

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	Boundary wall Base	1.000	15.000	2.000	2.000	0.000	60.000	-
ii		1.000	23.250	2.000	2.000	0.000	93.000	-
iii		1.000	27.750	2.000	2.000	0.000	111.000	-
iv		1.000	11.170	2.000	2.000	0.000	44.680	-
v		1.000	1.750	2.000	2.000	0.000	7.000	-
vi		1.000	2.250	2.000	2.000	0.000	9.000	-
vii	Column base bed level	2.000	5.000	5.000	2.000	0.000	100.000	-
viii	Boundary Wall 1st Footing	1.000	15.000	2.000	0.500	0.000	15.000	-
ix		1.000	23.250	2.000	0.500	0.000	23.250	-

x		1.000	27.750	2.000	0.500	0.000	27.750	-
xi		1.000	11.170	2.000	0.500	0.000	11.170	-
xii		1.000	1.750	2.000	0.500	0.000	1.750	-
xiii		1.000	2.250	2.000	0.500	0.000	2.250	-
Total Quantity					505.85 Cft (Cubic Foot)		14.32405328 Cum (Cubic Meter)	
Amount					14.32405328 X 5180.3436007		74203.52	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary Wall	1.000	15.000	1.500	2.500	0.000	56.250	-
ii		1.000	23.250	1.500	2.500	0.000	87.188	-
iii		1.000	27.750	1.500	2.500	0.000	104.062	-
iv		1.000	11.170	1.500	2.500	0.000	41.888	-
v		1.000	1.750	1.500	2.500	0.000	6.563	-
vi		1.000	2.250	1.500	2.500	0.000	8.438	-
Total Quantity					304.3875 Cft (Cubic Foot)		8.61927996 Cum (Cubic Meter)	
Amount					8.61927996 X 4965.23730136		42796.77	

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

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	Column Jally (10mm Bar)	2.000	12.000	5.500	0.000	0.000	132.000	-
ii		2.000	12.000	5.500	0.000	0.000	132.000	-
iii	Column Main Bar (12mm Dia)	2.000	4.000	19.000	0.000	0.000	152.000	-
iv	Stirrup (8mm Bar)	2.000	27.000	2.660	0.000	0.000	143.640	-
v	Plint Beam 12mm Bar (Boundary)	4.000	15.000	0.000	0.000	0.000	60.000	-
vi		4.000	23.250	0.000	0.000	0.000	93.000	-
vii		4.000	27.750	0.000	0.000	0.000	111.000	-
viii		4.000	11.170	0.000	0.000	0.000	44.680	-
ix		4.000	1.750	0.000	0.000	0.000	7.000	-
x		4.000	2.250	0.000	0.000	0.000	9.000	-
xi	Stirrup Plint Beam (8mm Bar)	136.000	2.000	0.000	0.000	0.000	272.000	-
xii	Slab Main Bar (10mm Dia)	25.000	6.250	0.620	0.000	0.000	96.875	-
xiii		13.000	11.166	0.395	0.000	0.000	57.337	-
Total Quantity					1310.53241 Kg (Kilo Gram)		13.1053241 Qntl (Quintal)	
Amount					13.1053241 X 8664.0005739		113544.54	
6. Dismantling (AR1603) : Dismantling brick or stone masonry under 3m.								
Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	Kitchen	1.000	8.000	4.000	5.000	0.000	160.000	-
Total Quantity					160 Cft (Cubic Foot)		4.530688 Cum (Cubic Meter)	
Amount					4.530688 X 1401.5088339223		6349.80	

7. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC

Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Out Side	1.000	9.700	3.100	0.000	0.000	30.070	-
ii	Inside Temple	1.000	8.900	3.400	0.000	0.000	30.260	-
iii		1.000	7.800	3.700	0.000	0.000	28.860	-
Total Quantity					89.19 Sqm (Sqm)		89.19 Sqm (Square Meter)	
Amount					89.19 X 621.7266		55451.80	

8. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary Wall	1.000	15.000	0.750	0.416	0.000	4.680	-
ii		1.000	23.000	0.750	0.416	0.000	7.176	-
iii		1.000	28.000	0.750	0.416	0.000	8.736	-
iv		1.000	1.500	0.750	0.416	0.000	0.468	-
v		1.000	3.000	0.750	0.416	0.000	0.936	-

vi		1.000	3.500	0.750	0.416	0.000	1.092	-	
vii	Kitchen	1.000	9.750	0.750	0.416	0.000	3.042	-	
viii		1.000	4.750	0.750	0.416	0.000	1.482	-	
Total Quantity					27.612 Cft (Cubic Foot)		0.7818834816 Cum (Cubic Meter)		
Amount					0.7818834816 X 5427.015747079		4243.29		

9. 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	Boundary Wall	2.000	15.000	0.000	4.000	0.000	120.000	-	
ii		2.000	23.250	0.000	4.000	0.000	186.000	-	
iii		2.000	27.750	0.000	4.000	0.000	222.000	-	
iv		2.000	11.170	0.000	4.000	0.000	89.360	-	
v		2.000	2.250	0.000	4.000	0.000	18.000	-	
vi		2.000	5.000	0.000	4.000	0.000	40.000	-	
vii	Column	2.000	5.000	0.000	4.000	0.000	40.000	-	
Total Quantity					715.36 Sft (Square Foot)		66.45909008 Sqm (Square Meter)		
Amount					66.45909008 X 216.39264180804		14381.26		

10. miscellaneous (ARM318) : Aerated Autoclaved Fly ash (AAC) blocks of different sizes haing compressive strength not less than 4N/mm2 conforming to IS:2185 (Part-3)-2005 and IS:6441-1972. (New miscellaneous Materials) and as directed by Engineer-in-Charge.

Aerated Autoclaved Fly ash (AAC) blocks of different sizes having compressive strength not less than 4N/mm2 conforming to IS:2185 (Part-3)-2005 and IS:6441-1972. (New miscellaneous Materials) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Kitchen	2.000	9.750	0.750	7.500	0.000	109.688	-
ii		2.000	4.750	0.750	7.500	0.000	53.438	-
Total Quantity					163.125 Cft (Cubic Foot)		4.619178 Cum (Cubic Meter)	
Amount					4.619178 X 3255.5		15037.73	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary Wall	2.000	15.000	0.000	5.000	0.000	150.000	-
ii		2.000	23.250	0.000	5.000	0.000	232.500	-
iii		2.000	27.750	0.000	5.000	0.000	277.500	-
iv		2.000	11.170	0.000	5.000	0.000	111.700	-
v		2.000	1.750	0.000	5.000	0.000	17.500	-
vi		2.000	2.250	0.000	5.000	0.000	22.500	-
vii	Kitchen	1.000	31.500	0.000	7.500	0.000	236.250	-
Total Quantity					1047.95 Sft (Square Foot)		97.35769885 Sqm (Square Meter)	
Amount					97.35769885 X 167.265802454		16284.61	

12. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Out Side Flooring	1.000	3.000	1.000	0.000	0.000	3.000	-
ii	Kitchen Inside	1.000	1.400	2.600	0.000	0.000	3.640	-
Total Quantity					6.64 Sqm (Sqm)		6.64 Sqm (Square Meter)	
Amount					6.64 X 349.989356554		2323.93	

13. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer 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	Boundary Wall	2.000	15.000	0.000	5.000	0.000	150.000	-
ii		2.000	25.000	0.000	5.000	0.000	250.000	-
iii		2.000	30.000	0.000	5.000	0.000	300.000	-
iv		2.000	15.000	0.000	5.000	0.000	150.000	-
v		2.000	3.000	0.000	5.000	0.000	30.000	-
vi		2.000	3.500	0.000	5.000	0.000	35.000	-
vii	Temple Out Side	2.000	16.500	0.000	10.000	0.000	330.000	-
viii		2.000	10.000	0.000	10.000	0.000	200.000	-
ix	Kitchen outside	2.000	10.500	0.000	7.500	0.000	157.500	-
x		2.000	6.000	0.000	7.500	0.000	90.000	-
xi	Kitchen inside	2.000	9.750	0.000	7.500	0.000	146.250	-
xii		2.000	4.750	0.000	7.500	0.000	71.250	-
Total Quantity					1910 Sft (Square Foot)		177.44473 Sqm (Square Meter)	

Amount						177.44473 X 72.855030353548	12927.74	
14. Painting (AR0919) : Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside)								
Finishing wall One Coat with plastic emulsion paint of approved shades on old 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	Kitchen inside	2.000	9.750	0.000	7.500	0.000	146.250	-
ii		2.000	4.750	0.000	7.500	0.000	71.250	-
Total Quantity					217.5 Sft (Square Foot)		20.2064025 Sqm (Square Meter)	
Amount						20.2064025 X 61.22776449	1237.19	
15. Painting (AR0918Ai) : Finishing wall one coat with weather coat								
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	Boundary Wall	2.000	15.000	0.000	5.000	0.000	150.000	-
ii		2.000	25.000	0.000	5.000	0.000	250.000	-
iii		2.000	30.000	0.000	5.000	0.000	300.000	-
iv		2.000	15.000	0.000	5.000	0.000	150.000	-
v		2.000	3.000	0.000	5.000	0.000	30.000	-
vi		2.000	3.500	0.000	5.000	0.000	35.000	-
vii	Temple Out Side	2.000	16.500	0.000	10.000	0.000	330.000	-
viii		2.000	10.000	0.000	10.000	0.000	200.000	-
ix	Kitchen outside	2.000	10.500	0.000	7.500	0.000	157.500	-

x		2.000	6.000	0.000	7.500	0.000	90.000	-
Total Quantity					1692.5 Sft (Square Foot)		157.2383275 Sqm (Square Meter)	
Amount					157.2383275 X 57.09560199		8977.62	

16. Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry.

Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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	Boundary Wall	1.000	15.000	2.000	12.000	0.000	360.000	-
ii		1.000	23.250	2.000	1.500	0.000	69.750	-
iii		1.000	27.750	2.000	1.500	0.000	83.250	-
iv		1.000	11.170	2.000	1.500	0.000	33.510	-
v		1.000	1.750	2.000	1.500	0.000	5.250	-
vi		1.000	2.250	2.000	1.500	0.000	6.750	-
Total Quantity					558.51 Cft (Cubic Foot)		15.815215968 Cum (Cubic Meter)	
Amount					15.815215968 X 4007.004462813		63371.64	

17. 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	MS Door	1.000	1.800	0.750	0.000	0.000	1.350	-
ii	Kitchen	1.000	0.900	1.950	0.000	0.000	1.755	-
Total Quantity					3.105 Qntl (Quintal)		3.105 Qntl (Quintal)	

Amount	3.105 X 15995.592825087	49666.32
Total Amount		487693.88
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		5000.00
Display Citizen Board (+) @		2306.11
Any Other Lumpsum (+) @		5000.00
Provision for survey investigation and quality control (+) @		
Total Addition		12306.11
Grand Net Total Amount		499999.99

**Subhasmita Patro
JE
Polosara Block**

**Laxmi Narayan Pattanayak
AEE
Polosara Block**

**SASI BHUSAN MAHAPATRO
BDO
Polosara Block**