

Detailed Estimate

OD/358/3409/118625/423422/00062737 : Repair & Renovation of Shiv Temple at Thuapadar
Block : Bhawanipatna, Gram Panchayat : Thuapadar
Created By:Juli Mali

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	Column	9.000	1.200	1.200	1.200	0.000	15.552	-
ii	L.wall	3.000	3.800	0.600	0.450	0.000	3.078	-
iii	s.wall	2.000	2.100	0.600	0.450	0.000	1.134	-
iv	S.wall	2.000	0.300	0.600	0.450	0.000	0.162	-
Total Quantity					19.926 cum (cum)		19.926 Cum (Cubic Meter)	
Amount					19.926 X 240.77592		4797.70	
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	Column	9.000	1.200	1.200	0.100	0.000	1.296	-
ii	L.wall	3.000	6.800	0.600	0.100	0.000	1.224	-
iii	S.wall	2.000	2.700	0.600	0.100	0.000	0.324	-
iv		2.000	0.900	0.600	0.100	0.000	0.108	-
v	Room filling	1.000	5.950	3.050	0.450	0.000	8.166	-
vi	Verandah	1.000	5.950	1.250	0.450	0.000	3.347	-

Total Quantity	14.46525 cum (cum)	14.46525 Cum (Cubic Meter)
Amount	14.46525 X 985.763232	14259.31

3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal

Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	Column	9.000	1.200	1.200	0.100	0.000	1.296	-
ii	L.wall	3.000	6.800	0.600	0.100	0.000	1.224	-
iii		2.000	2.700	0.600	0.100	0.000	0.324	-
iv	S.wall	2.000	0.900	0.600	0.100	0.000	0.108	-
v	Room filling	1.000	5.950	3.050	0.100	0.000	1.815	-
vi	Verandah	1.000	5.950	1.250	0.100	0.000	0.744	-
Total Quantity					5.5105 cum (cum)		5.5105 Cum (Cubic Meter)	
Amount					5.5105 X 5542.79618616		30543.58	

4. 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	Column	9.000	1.200	1.200	0.150	0.000	1.944	-
ii		9.000	0.675	0.675	0.450	0.000	1.845	-
iii	Upto G.L	9.000	0.250	0.250	0.400	0.000	0.225	-
iv	G.L to P.L	9.000	0.250	0.250	0.450	0.000	0.253	-

v	Upto roof	9.000	0.250	0.250	2.630	0.000	1.479	-
vi	Plinth	3.000	6.450	0.250	0.250	0.000	1.209	-
vii		2.000	3.050	0.250	0.250	0.000	0.381	-
viii		2.000	1.250	0.250	0.250	0.000	0.156	-
ix	Lintel	3.000	6.450	0.250	0.150	0.000	0.726	-
x		2.000	3.050	0.250	0.150	0.000	0.229	-
xi		2.000	1.250	0.250	0.150	0.000	0.094	-
xii	wall beam	3.000	6.450	0.250	0.200	0.000	0.968	-
xiii		2.000	3.050	0.250	0.200	0.000	0.305	-
xiv		2.000	1.250	0.250	0.200	0.000	0.125	-
xv	Front chhaja	1.000	6.450	0.450	0.075	0.000	0.218	-
xvi	window	2.000	0.900	0.450	0.075	0.000	0.061	-
xvii	slab	1.000	6.750	5.350	0.100	0.000	3.611	-
Total Quantity					13.82896875 cum (cum)		13.82896875 Cum (Cubic Meter)	
Amount					13.82896875 X 6309.7846936002		87257.82	
5. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.								
20mm thick cement Plaster in CM (1:4) over 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	Roof	1.000	6.750	5.350	0.000	0.000	36.113	-
ii	Slab bit	2.000	6.750	0.100	0.000	0.000	1.350	-
iii		2.000	5.350	0.100	0.000	0.000	1.070	-

Total Quantity	38.5325 Sqm (Sqm)	38.5325 Sqm (Square Meter)
Amount	38.5325 X 276.3658371776	10649.07

6. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

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. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	9.000	4.000	0.675	0.450	0.000	10.935	-
ii		9.000	4.000	0.250	3.480	0.000	31.320	-
iii	wall beam	3.000	2.000	6.450	0.200	0.000	7.740	-
iv		2.000	2.000	3.050	0.200	0.000	2.440	-
v		2.000	2.000	1.250	0.200	0.000	1.000	-
vi	Centre beam	1.000	2.000	3.050	0.200	0.000	1.220	-
Total Quantity					54.655 Sqm (Sqm)		54.655 Sqm (Square Meter)	
Amount					54.655 X 1048.7382694124		57318.79	

7. R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

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. Lintels Data for 7.8 sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	3.000	2.000	6.450	0.150	0.000	5.805	-
ii		2.000	2.000	3.050	0.150	0.000	1.830	-
iii		2.000	2.000	1.250	0.150	0.000	0.750	-
Total Quantity					8.385 Sqm (Sqm)		8.385 Sqm (Square Meter)	

Amount						8.385 X 500.25589012795	4194.65	
8. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas								
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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Chhaja	1.000	1.000	6.450	0.450	0.000	2.903	-
ii	Window	2.000	1.000	0.900	0.450	0.000	0.810	-
iii	slab	1.000	1.000	6.750	5.350	0.000	36.113	-
iv		1.000	2.000	6.750	0.100	0.000	1.350	-
v		1.000	2.000	5.350	0.100	0.000	1.070	-
Total Quantity					42.245 Sqm (Sqm)		42.245 Sqm (Square Meter)	
Amount						42.245 X 664.27469118489	28062.28	
9. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm ² 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	L.wall	3.000	6.580	0.375	0.700	0.000	5.182	-
ii	S.wall	2.000	2.930	0.375	0.700	0.000	1.538	-
iii	2	1.130	1.130	0.375	0.700	0.000	0.335	-
Total Quantity					7.05518625 cum (cum)		7.05518625 Cum (Cubic Meter)	
Amount						7.05518625 X 5106.785865088	36029.33	

10. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm 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	l.wall	2.000	5.950	0.250	2.630	0.000	7.824	-
ii		1.000	5.950	0.250	0.750	0.000	1.116	-
iii		2.000	3.050	0.250	2.630	0.000	4.011	-
iv		2.000	1.250	0.250	0.750	0.000	0.469	-
v	Door	1.000	1.050	0.250	2.100	0.000	-	0.551
vi	window	3.000	0.900	0.250	1.200	0.000	-	0.810
Total Quantity					12.058125 cum (cum)		12.058125 Cum (Cubic Meter)	
Amount					12.058125 X 5140.115865088		61980.16	

11. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L.wall	3.000	1.000	5.950	3.230	0.000	57.656	-
ii		1.000	1.000	5.950	0.750	0.000	4.463	-
iii	S.wall	2.000	1.000	3.050	3.230	0.000	19.703	-
iv		2.000	1.000	1.250	0.750	0.000	1.875	-
v	Door	1.000	2.000	1.050	2.100	0.000	-	4.410
vi	Window	3.000	1.000	0.900	1.200	0.000	-	3.240

Total Quantity	76.046 Sqm (Sqm)	76.046 Sqm (Square Meter)
Amount	76.046 X 175.4235350032	13340.26

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	L.wall	1.000	1.000	5.950	3.230	0.000	19.219	-
ii		1.000	1.000	5.950	0.750	0.000	4.463	-
iii	S.wall	2.000	1.000	3.050	3.230	0.000	19.703	-
iv		2.000	1.000	1.250	0.750	0.000	1.875	-
v	window	2.000	1.000	0.900	1.200	0.000	-	2.160

Total Quantity	43.099 Sqm (Sqm)	43.099 Sqm (Square Meter)
Amount	43.099 X 250.791814472	10808.88

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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	1.000	5.950	3.050	0.000	0.000	18.148	-
ii	verandah	1.000	5.950	1.250	0.000	0.000	7.438	-
iii	dado	3.000	5.950	0.100	0.000	0.000	1.785	-
iv		2.000	3.050	0.100	0.000	0.000	0.610	-

Total Quantity	27.98 Sqm (Sqm)	27.98 Sqm (Square Meter)
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Amount						27.98 X 1019.1748297586	28516.51	
14. 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	inside	3.000	1.000	5.950	3.230	0.000	57.656	-
ii		1.000	1.000	5.950	0.750	0.000	4.463	-
iii	s.wall	2.000	1.000	3.050	3.230	0.000	19.703	-
iv		2.000	1.000	1.250	0.750	0.000	1.875	-
v	outside	1.000	1.000	5.950	3.230	0.000	19.219	-
vi		1.000	1.000	5.950	0.750	0.000	4.463	-
vii	s.wall	2.000	1.000	3.050	3.230	0.000	19.703	-
viii		2.000	1.000	1.250	0.750	0.000	1.875	-
ix	door	1.000	2.000	1.050	2.100	0.000	-	4.410
x	window	3.000	2.000	0.900	1.200	0.000	-	6.480
Total Quantity					118.065 Sqm (Sqm)		118.065 Sqm (Square Meter)	
Amount					118.065 X 79.21834		9352.91	
15. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)								
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	Quantity same as item (AR1902)	118.065	0.000	0.000	0.000	0.000	118.065	-

Total Quantity	118.065 Sqm (Sqm)	118.065 Sqm (Square Meter)
Amount	118.065 X 71.84560304831	8482.45

16. 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	Quantity same as item no (AR1004)	76.040	0.000	0.000	0.000	0.000	76.040	-
Total Quantity					76.04 Sqm (Sqm)		76.04 Sqm (Square Meter)	
Amount					76.04 X 61.23496983		4656.31	

17. Painting (AR0917hk) : Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside)(For repair and maintenance).

Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Quantity same as item no (AR1014)	43.099	0.000	0.000	0.000	0.000	43.099	-
Total Quantity					43.099 Sqm (Sqm)		43.099 Sqm (Square Meter)	
Amount					43.099 X 131.57852427903		5670.90	

18. 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.

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	Window	3.000	0.900	1.200	0.000	0.000	3.240	-

Total Quantity		3.24 Sqm (Sqm)		3.24 Sqm (Square Meter)				
Amount		3.24 X 16.22		52.55				
19. miscellaneous (ARM106) : Labour for fitting and fixing of M.S. Gates as per approved design including cost of all materials complete (Iron works) and as directed by Engineer-in-Charge.								
Labour for fitting and fixing of M.S. Gates as per approved design including cost of all materials complete (Iron works) and as directed by Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	1.050	2.100	0.000	0.000	2.205	-
Total Quantity		2.205 Sqm (Sqm)		2.205 Sqm (Square Meter)				
Amount		2.205 X 93.32		205.77				
20. 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	Rod	7.330	0.000	0.000	0.000	0.000	7.330	-
Total Quantity		7.33 Qntl (Quintal)		7.33 Qntl (Quintal)				
Amount		7.33 X 7272.0557217		53304.17				
Total Amount		469483.39						
Addition								
Provision for survey investigation and quality control (+) @								
Display Citizen Board (+) @								
Provision for Contingency (+) @								
Provision for EI Work (+) @								
Provision for PH Work (+) @								

Any Other Lumpsum (+) @	20000.00
Total Addition	29694.83
Grand Net Total Amount	499178.22

Juli Mali
JE
Bhawanipatna Block

Shibananda Pradhan
AEE
Bhawanipatna Block

Chandan Kumar Bhoi
BDO
Bhawanipatna Block