

## Detailed Estimate

**OD/358/3409/118593/423622/00015271 : REPAIR & RENOVATION OF SHIVTEMPLE AT KANDULJHAR,ARTAL**  
**Block : Bhawanipatna, Gram Panchayat : Artal**  
**Created By:Rasa Bihari Dalai**

<b>1. Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm</b>								
<p>Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost,conveyance, taxes of all materials, labour,T&amp;P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	v.railing	2.000	60.000	0.000	0.000	0.000	120.000	-
ii	gate	2.000	3.600	7.000	0.000	0.000	50.400	-
<b>Total Quantity</b>					<b>170.4 Ft (Feet)</b>		<b>51.937918337987 Rmt (Meter)</b>	
<b>Amount</b>					<b>51.937918337987 X 3129.0244276074</b>		<b>162515.02</b>	
<b>2. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
<p>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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	pcc ( hall)	1.000	3.150	3.150	0.100	0.000	0.992	-
ii	varendha	1.000	4.450	3.550	0.100	0.000	1.580	-
iii	cut-off	1.000	28.000	0.250	0.150	0.000	1.050	-
iv	road	1.000	30.000	3.650	0.100	0.000	10.950	-
<b>Total Quantity</b>					<b>14.572 cum (cum)</b>		<b>14.572 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>14.572 X 5639.68360756</b>		<b>82181.47</b>	

**3. 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	cut-off	1.000	30.000	0.250	0.150	0.000	1.125	-
ii	bed cutting	1.000	30.000	2.500	0.100	0.000	7.500	-
Total Quantity					8.625 cum (cum)		8.625 Cum (Cubic Meter)	
Amount					8.625 X 240.77592		2076.69	

**4. 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	hall bed	1.000	3.150	3.150	0.300	0.000	2.977	-
ii	v.bed	1.000	4.450	3.150	0.300	0.000	4.205	-
iii	cc road	1.000	30.000	3.400	0.150	0.000	15.300	-
Total Quantity					22.482 cum (cum)		22.482 Cum (Cubic Meter)	
Amount					22.482 X 518.537232		11657.75	

**5. Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed**

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	floor	1.000	3.150	3.150	0.000	0.000	9.923	-
ii	v.floor	1.000	4.450	3.550	0.000	0.000	15.798	-

Total Quantity			25.72 Sqm (Sqm)				25.72 Sqm (Square Meter)	
Amount			25.72 X 1071.0318625266				27546.94	
<b>6. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor</b>								
Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall wall	2.000	6.300	1.500	0.000	0.000	18.900	-
ii	v.wall	2.000	2.000	3.550	1.300	0.000	18.460	-
iii	v.wall	2.000	2.000	4.450	1.300	0.000	23.140	-
iv	steps	2.000	1.500	1.300	0.000	0.000	3.900	-
v	step riser	2.000	4.000	1.500	0.200	0.000	2.400	-
Total Quantity			66.8 Sqm (Sqm)				66.8 Sqm (Square Meter)	
Amount			66.8 X 1230.8377188478				82219.96	
<b>7. Concrete (AR0307) : Fourth Floor</b>								
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	cc road	1.000	28.000	3.650	0.100	0.000	10.220	-
Total Quantity			10.22 cum (cum)				10.22 Cum (Cubic Meter)	
Amount			10.22 X 9156.49020183				93579.33	
<b>8. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	inside hall	2.000	6.300	3.000	0.000	0.000	37.800	-
ii	ceiling	3.142	2.250	3.000	0.000	0.000	21.209	-
iii	v.ceiling	1.000	4.450	3.550	0.000	0.000	15.798	-
iv	out side	2.000	12.210	4.500	0.000	0.000	109.890	-
v	out side top	2.000	6.500	4.500	0.000	0.000	58.500	-
vi	top design	3.142	2.250	1.500	0.000	0.000	10.604	-
Total Quantity					253.80025 Sqm (Sqm)		253.80025 Sqm (Square Meter)	
Amount					253.80025 X 79.21834		20105.63	

**9. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	in side wall	2.000	6.300	3.000	0.000	0.000	37.800	-
ii	in side top	3.142	2.250	3.500	0.000	0.000	24.743	-
iii	v.ceiling	1.000	4.450	3.550	0.000	0.000	15.798	-
Total Quantity					78.34075 Sqm (Sqm)		78.34075 Sqm (Square Meter)	
Amount					78.34075 X 71.86779549551		5630.18	

**10. Painting (AR0901ci) : Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface)**

Priming one coat with outer 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	out side	2.000	12.210	4.000	0.000	0.000	97.680	-
ii	v.wall	1.000	3.150	3.000	0.000	0.000	9.450	-
iii	mandir top	2.000	8.000	4.500	0.000	0.000	72.000	-
Total Quantity					179.13 Sqm (Sqm)		179.13 Sqm (Square Meter)	
Amount					179.13 X 69.02311029551		12364.11	

**11. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)**

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	out side	2.000	12.210	4.500	0.000	0.000	109.890	-
ii	v.out side wall	1.000	3.550	3.000	0.000	0.000	10.650	-
iii	tip design	2.000	8.000	4.500	0.000	0.000	72.000	-
iv	top[	3.142	2.250	2.000	0.000	0.000	14.139	-
Total Quantity					206.679 Sqm (Sqm)		206.679 Sqm (Square Meter)	
Amount					206.679 X 164.28026558952		33953.28	

**12. Painting (AR0922k) : Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance).**

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)(For Repair and maintenance)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	in side	2.000	6.300	3.000	0.000	0.000	37.800	-
ii	hall ceiling	2.000	8.000	4.500	0.000	0.000	72.000	-
iii	v.ceiling	1.000	4.450	3.550	0.000	0.000	15.798	-

Total Quantity		125.5975 Sqm (Sqm)		125.5975 Sqm (Square Meter)				
Amount		125.5975 X 80.16204865		10068.15				
<b>13. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>								
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	for road	1.000	28.000	0.300	0.000	0.000	8.400	-
Total Quantity		8.4 Sqm (Sqm)		8.4 Sqm (Square Meter)				
Amount		8.4 X 216.23489289764		1816.37				
<b>14. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.</b>								
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	plinth area	1.000	25.900	1.000	0.000	0.000	25.900	-
Total Quantity		25.9 Sqm (Sqm)		25.9 Sqm (Square Meter)				
Amount		25.9 X 272.8365804416		7066.47				
Total Amount		552781.36						
<b>Addition</b>								
Provision for survey investigation and quality control (+) @								
Display Citizen Board (+) @						4000.00		
Provision for Contingency (+) @						6000.00		
Provision for EI Work (+) @						10000.00		

Provision for PH Work (+) @	
Any Other Lumpsum (+) @	27218.64
<b>Total Addition</b>	<b>47218.64</b>
<b>Grand Net Total Amount</b>	<b>600000.00</b>

Rasa Bihari Dalai  
JE  
Bhawanipatna Block

Shibananda Pradhan  
AEE  
Bhawanipatna Block

Chandan Kumar Bhoi  
BDO  
Bhawanipatna Block