

## Detailed Estimate

**OD/361/3452/119463/386086/00068276 : CONST. OF JAGANNATH SANKIRTAN MANDAP AT TOTASAH I , NELUNG**  
**Block : Kendujhar Sadar, Gram Panchayat : Nelung**  
**Created By: BHESAJA KUMAR KISHAN**

<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	column	4.000	1.200	1.200	1.200	0.000	6.912	-
ii	Sw	2.000	3.160	0.600	0.600	0.000	2.275	-
iii	lw	2.000	2.710	0.600	0.600	0.000	1.951	-
Total Quantity					11.1384 cum (cum)		11.1384 Cum (Cubic Meter)	
Amount					11.1384 X 240.77592		2681.86	
<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	col	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	lw	2.000	3.460	0.600	0.100	0.000	0.415	-
iii	sw	2.000	4.000	0.600	0.100	0.000	0.480	-
iv		1.000	3.650	4.210	0.600	0.000	9.220	-
v		1.000	6.000	4.000	0.150	0.000	3.600	-
vi	plinth protection	2.000	4.260	0.600	0.100	0.000	0.511	-
vii		1.000	3.650	0.600	0.100	0.000	0.219	-

Total Quantity				15.3093 cum (cum)			15.3093 Cum (Cubic Meter)	
Amount				15.3093 X 1118.133832			17117.85	
<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	col	4.000	1.200	1.200	0.100	0.000	0.576	-
ii	sw	2.000	4.000	0.600	0.100	0.000	0.480	-
iii	lw	2.000	3.400	0.600	0.100	0.000	0.408	-
iv		1.000	3.650	4.210	0.100	0.000	1.537	-
v		2.000	4.260	0.600	0.100	0.000	0.511	-
vi		1.000	3.650	0.600	0.100	0.000	0.219	-
vii		1.000	14.000	0.230	0.200	0.000	0.644	-
Total Quantity				4.37485 cum (cum)			4.37485 Cum (Cubic Meter)	
Amount				4.37485 X 6171.91848582			27001.22	
<b>4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
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/cm <sup>2</sup> 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	4.210	0.380	0.500	0.000	1.600	-
ii		2.000	3.650	0.380	0.500	0.000	1.387	-
Total Quantity				2.9868 cum (cum)			2.9868 Cum (Cubic Meter)	

<b>Amount</b>				2.9868 X 5218.356937976		15586.19		
<b>5. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
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 ±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		2.000	3.650	0.250	0.900	0.000	1.643	-
ii		2.000	4.210	0.250	0.900	0.000	1.895	-
iii		1.000	1.000	0.250	0.900	0.000	-	0.225
Total Quantity					3.312 cum (cum)		3.312 Cum (Cubic Meter)	
<b>Amount</b>				3.312 X 5251.686937976		17393.59		
<b>6. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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	col	4.000	1.200	1.200	0.250	0.000	1.440	-
ii		4.000	0.600	0.600	0.200	0.000	0.288	-
iii		4.000	0.250	0.250	0.900	0.000	0.225	-
Total Quantity					1.953 cum (cum)		1.953 Cum (Cubic Meter)	
<b>Amount</b>				1.953 X 6673.0907314479		13032.55		
<b>7. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								

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		2.000	3.650	0.250	0.250	0.000	0.456	-
ii		2.000	4.720	0.250	0.250	0.000	0.590	-
Total Quantity					1.04625 cum (cum)		1.04625 Cum (Cubic Meter)	
Amount					1.04625 X 7429.9128565896		7773.55	

**8. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		4.000	0.250	0.250	2.830	0.000	0.708	-
ii		2.000	3.650	0.250	0.250	0.000	0.456	-
iii		2.000	4.720	0.250	0.250	0.000	0.590	-
Total Quantity					1.75375 cum (cum)		1.75375 Cum (Cubic Meter)	
Amount					1.75375 X 14728.844118768		25830.71	

**9. 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		1.000	5.320	4.750	0.120	0.000	3.032	-

Total Quantity	3.0324 cum (cum)	3.0324 Cum (Cubic Meter)
Amount	3.0324 X 12974.975135838	39345.31

**10. 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		2.000	4.150	1.820	0.000	0.000	15.106	-
ii		2.000	5.220	1.820	0.000	0.000	19.001	-
iii		1.000	1.200	1.200	0.000	0.000	-	1.440
Total Quantity					32.6668 Sqm (Sqm)		32.6668 Sqm (Square Meter)	
Amount					32.6668 X 176.9197139764		5779.40	

**11. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)**

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	3.650	4.210	0.000	0.000	15.367	-
ii		4.000	4.000	0.250	1.600	0.000	6.400	-
iii		2.000	3.650	0.300	0.000	0.000	2.190	-
iv		2.000	4.210	0.300	0.000	0.000	2.526	-
v		1.000	15.240	0.750	0.000	0.000	11.430	-
Total Quantity					37.9125 Sqm (Sqm)		37.9125 Sqm (Square Meter)	
Amount					37.9125 X 193.2148177576		7325.26	

**12. 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		1.000	15.240	0.150	0.000	0.000	2.286	-
ii		3.000	1.520	0.150	0.000	0.000	0.684	-
iii		2.000	0.900	0.150	0.000	0.000	0.270	-
Total Quantity					3.24 Sqm (Sqm)		3.24 Sqm (Square Meter)	
Amount					3.24 X 1543.964208542		5002.44	

**13. 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		6.600	0.000	0.000	0.000	0.000	6.600	-
Total Quantity					6.6 Qntl (Quintal)		6.6 Qntl (Quintal)	
Amount					6.6 X 9276.1027212		61222.28	

**14. 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		1.000	3.650	4.210	0.000	0.000	15.367	-
ii		1.000	1.520	0.300	0.000	0.000	0.456	-

Total Quantity	15.8225 Sqm (Sqm)	15.8225 Sqm (Square Meter)
Amount	15.8225 X 1025.0554133182	16218.94

**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	same as quantity 12 mm cp+16mm cp+6mmcp	91.617	0.000	0.000	0.000	0.000	91.617	-
Total Quantity					91.617 Sqm (Sqm)		91.617 Sqm (Square Meter)	
Amount					91.617 X 71.83450682471		6581.26	

**16. miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 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 60mm thick cement concrete interlocking paver block of M-30 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	6.000	5.000	0.000	0.000	30.000	-
Total Quantity					30 Sqm (Sqm)		30 Sqm (Square Meter)	
Amount					30 X 537.778		16133.34	

**17. 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		2.000	5.220	1.200	0.000	0.000	12.528	-

ii		2.000	4.150	1.200	0.000	0.000	9.960	-	
iii		1.000	1.200	1.200	0.000	0.000	-	1.440	
Total Quantity					21.048 Sqm (Sqm)		21.048 Sqm (Square Meter)		
Amount					21.048 X 252.586596794		5316.44		
<b>18. Painting (AR0919) : Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside)</b>									
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	same as quantity 6 mm cp+16 mm cp	58.950	0.000	0.000	0.000	0.000	58.950	-	
Total Quantity					58.95 Sqm (Sqm)		58.95 Sqm (Square Meter)		
Amount					58.95 X 60.7448074875		3580.91		
<b>19. Painting (AR0918Ai) : Finishing wall one coat with weather coat</b>									
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	same as quantity 12 mm cp	32.660	0.000	0.000	0.000	0.000	32.660	-	
Total Quantity					32.66 Sqm (Sqm)		32.66 Sqm (Square Meter)		
Amount					32.66 X 57.0928999875		1864.65		
<b>20. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</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 specifaion and direction of Engineer-in charge.									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i		1.000	3.650	0.600	0.076	0.000	0.166	-	

ii		2.000	4.260	0.600	0.076	0.000	0.389	-
Total Quantity					0.554952 cum (cum)		0.554952 Cum (Cubic Meter)	
Amount					0.554952 X 7625.86747234		4231.99	
Total Amount							299019.73	
<b>Addition</b>								
Provision for survey investigation and quality control (+) @								
Display Citizen Board (+) @							5000.00	
Provision for Contingency (+) @							3153.00	
Provision for EI Work (+) @							3300.00	
Provision for PH Work (+) @								
Any Other Lumpsum (+) @							4800.00	
Total Addition							16253.00	
Grand Net Total Amount							315272.73	

**BHESAJA KUMAR KISHAN**  
JE  
Kendujhar Sadar Block

**Sabyasachi Pradhan**  
AEE  
Kendujhar Sadar Block

**Binod Chandra Panda**  
BDO  
Kendujhar Sadar Block