

Detailed Estimate

OD/354/3380/117919/411713/00101477 : Renovation of Nuan Sahi Community Hall at Nimina
Block : Polosara, Gram Panchayat : Nimina
Created By:Indramani Sahu

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	6.000	1.500	1.500	1.500	0.000	20.250	-
ii	Foundation LW	3.000	9.650	0.600	0.600	0.000	10.422	-
iii	SW	3.000	0.450	0.600	0.600	0.000	0.486	-
Total Quantity					31.158 cum (cum)		31.158 Cum (Cubic Meter)	
Amount					31.158 X 240.77592		7502.10	
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	6.000	1.500	1.500	0.150	0.000	2.025	-
ii	Foundation LW	3.000	9.650	0.600	0.150	0.000	2.606	-
iii	SW	3.000	2.750	0.600	0.150	0.000	0.743	-
Total Quantity					5.373 cum (cum)		5.373 Cum (Cubic Meter)	
Amount					5.373 X 506.336432		2720.55	
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.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	6.000	1.500	1.500	0.075	0.000	1.013	-
ii	Foundation LW	3.000	9.650	0.600	0.075	0.000	1.303	-
iii	SW	3.000	2.750	0.600	0.075	0.000	0.371	-
Total Quantity					2.6865 cum (cum)		2.6865 Cum (Cubic Meter)	
Amount					2.6865 X 4978.7734567		13375.47	

4. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Foundation LW 1st Step	3.000	9.650	0.600	0.600	0.000	10.422	-
ii	LW 2nd Step	3.000	9.650	0.450	0.450	0.000	5.862	-
iii	SW 1st Step	3.000	2.750	0.600	0.600	0.000	2.970	-
iv	SW 2nd Step	3.000	2.750	0.450	0.450	0.000	1.671	-
Total Quantity					20.925 cum (cum)		20.925 Cum (Cubic Meter)	
Amount					20.925 X 4007.004462813		83846.57	

5. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column Base	6.000	1.500	1.500	0.300	0.000	4.050	-
ii	Plint Beam LW	3.000	9.650	0.230	0.300	0.000	1.998	-
iii	SW	3.000	2.750	0.230	0.150	0.000	0.285	-

iv	Lintel	3.000	9.650	0.230	0.150	0.000	0.999	-
v	SW	3.000	2.750	0.230	0.150	0.000	0.285	-
vi	Slab Beam	3.000	9.650	0.230	0.300	0.000	1.998	-
vii	SW	3.000	2.750	0.230	0.300	0.000	0.569	-
viii	Slab	1.000	12.950	3.750	0.125	0.000	6.070	-
ix	Waist Slab	1.000	3.600	0.900	0.125	0.000	0.405	-
Total Quantity					16.6576875 cum (cum)		16.6576875 Cum (Cubic Meter)	
Amount					16.6576875 X 5427.015747079		90401.53	

6. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

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/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	Long Wall	2.000	9.650	0.230	2.000	0.000	8.878	-
ii	SW	2.000	2.750	0.230	2.000	0.000	2.530	-
iii	Centre Wall	1.000	2.750	0.230	2.000	0.000	1.265	-
iv	Deduction Openings Door	1.000	1.500	0.230	2.100	0.000	-	0.725
v		2.000	1.050	0.230	2.100	0.000	-	1.014
vi	Windows	2.000	1.150	0.230	1.200	0.000	-	0.635
vii	Ventelitors	2.000	0.600	0.230	0.300	0.000	-	0.083
Total Quantity					10.2166 cum (cum)		10.2166 Cum (Cubic Meter)	
Amount					10.2166 X 4998.56730136		51068.36	

7. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Foundation	6.000	4.000	0.600	0.600	0.000	8.640	-
ii	Plinth Beam LW	3.000	2.000	9.650	0.300	0.000	17.370	-
iii	SW	3.000	2.000	2.750	0.300	0.000	4.950	-
Total Quantity							30.96 Sqm (Sqm)	30.96 Sqm (Square Meter)
Amount							30.96 X 216.39264180804	6699.52

8. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof Beam	3.000	2.000	9.650	0.230	0.000	13.317	-
ii	SW	3.000	2.000	2.750	0.230	0.000	3.795	-
Total Quantity							17.112 Sqm (Sqm)	17.112 Sqm (Square Meter)
Amount							17.112 X 1047.9038224181	17931.73

9. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	3.000	2.000	9.650	0.150	0.000	8.685	-
ii		3.000	2.000	2.750	0.150	0.000	2.475	-
Total Quantity							11.16 Sqm (Sqm)	11.16 Sqm (Square Meter)
Amount							11.16 X 499.57698698128	5575.28

10. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	12.950	3.750	1.000	0.000	48.563	-
Total Quantity					48.5625 Sqm (Sqm)		48.5625 Sqm (Square Meter)	
Amount					48.5625 X 663.29946175911		32211.48	

11. 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		1.000	9.850	0.000	0.000	0.000	9.850	-
Total Quantity					9.85 Qntl (Quintal)		9.85 Qntl (Quintal)	
Amount					9.85 X 8664.0005739		85340.41	

Total Amount (A) : 396672.99**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.2000	-	2000
2	Display Citizen Board @ Rs.1327	-	1327

Additional Components Amount (F) : 3327**Grand Total Amount (A + F) : 399999.99144268**

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