

Detailed Estimate

OD/346/3309/116330/393696/00069786 : Repair & Maintenance of Nuagan AWC

Block : Soro, Gram Panchayat : Singakhunta

Created By:Rojalin Jena

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	L/W	1.000	5.000	0.410	0.500	0.000	1.025	-	
ii	s/w	2.000	7.580	0.410	0.500	0.000	3.108	-	
iii	approach	1.000	25.000	40.000	0.160	0.000	160.000	-	
iv	approach	1.000	13.000	13.000	0.160	0.000	27.040	-	
Total Quantity					191.1728 Cft (Cubic Foot)		5.41340194304 Cum (Cubic Meter)		
Amount					5.41340194304 X 240.77592		1303.42		
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	l/w	1.000	5.000	0.410	0.500	0.000	1.025	-	
ii	s/w	2.000	7.580	0.410	0.500	0.000	3.108	-	
iii	room	1.000	4.000	6.730	0.500	0.000	13.460	-	
iv	approach	1.000	25.000	40.000	0.160	0.000	160.000	-	
v	approach	1.000	13.000	13.000	0.150	0.000	25.350	-	

Total Quantity	202.9428 Cft (Cubic Foot)	5.74669067904 Cum (Cubic Meter)
Amount	5.74669067904 X 1540.455232	8852.52

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	room	1.000	4.000	6.730	0.250	0.000	6.730	-
ii		1.000	25.000	40.000	0.250	0.000	250.000	-
Total Quantity						256.73 Cft (Cubic Foot)	7.269772064 Cum (Cubic Meter)	
Amount						7.269772064 X 5991.0259587	43553.39	

4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	approach	1.000	25.000	40.000	0.160	0.000	160.000	-
Total Quantity						160 Cft (Cubic Foot)	4.530688 Cum (Cubic Meter)	
Amount						4.530688 X 7432.5709009	33674.66	

5. 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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	GEADE BEAM	1.000	5.000	0.410	0.500	0.000	1.025	-
ii		2.000	7.580	0.410	0.500	0.000	3.108	-
Total Quantity					4.1328 Cft (Cubic Foot)		0.11702767104 Cum (Cubic Meter)	
Amount					0.11702767104 X 6470.6272098855		757.24	

6. 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	SLAB	1.000	7.500	8.000	0.330	0.000	19.800	-
Total Quantity					19.8 Cft (Cubic Foot)		0.56067264 Cum (Cubic Meter)	
Amount					0.56067264 X 12772.511614276		7161.20	

7. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	l/w	1.000	5.000	0.410	7.000	0.000	14.350	-
ii	s/w	2.000	7.800	0.410	7.000	0.000	44.772	-
iii	D	1.000	3.000	0.830	6.500	0.000	-	16.185

Total Quantity	42.937 Cft (Cubic Foot)	1.2158384416 Cum (Cubic Meter)
Amount	1.2158384416 X 5370.01463776	6529.07

8. 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	1.000	0.540	0.000	0.000	0.000	0.540	-
Total Quantity					0.54 Qntl (Quintal)		0.54 Qntl (Quintal)	
Amount					0.54 X 8421.6029474		4547.67	

9. 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	L/W	1.000	4.000	7.000	0.000	0.000	28.000	-
ii	S/W	2.000	6.730	7.000	0.000	0.000	94.220	-
iii	D	0.500	3.000	6.500	1.000	0.000	-	9.750
Total Quantity					112.47 Sft (Square Foot)		10.44880041 Sqm (Square Meter)	
Amount					10.44880041 X 258.19446989		2697.82	

10. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	1.000	5.000	7.000	1.000	0.000	35.000	-
ii	S/W	2.000	7.580	7.000	1.000	0.000	106.120	-
iii	D	0.500	3.000	6.500	1.000	0.000	-	9.750
Total Quantity					131.37 Sft (Square Foot)		12.20466711 Sqm (Square Meter)	
Amount					12.20466711 X 181.594415914		2216.30	

11. 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	TOILET	1.000	4.000	6.730	0.000	0.000	26.920	-
Total Quantity					26.92 Sft (Square Foot)		2.50094876 Sqm (Square Meter)	
Amount					2.50094876 X 1023.264564825		2559.13	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	DADO L/W	2.000	4.000	0.500	0.000	0.000	4.000	-
ii		2.000	6.730	0.500	0.000	0.000	6.730	-
Total Quantity					10.73 Sft (Square Foot)		0.99684919 Sqm (Square Meter)	

Amount						0.99684919 X 1538.521285616	1533.67	
13. 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	16MM+SCARPING	1.000	1969.580	0.000	0.000	0.000	1969.580	-
Total Quantity					1969.58 Sft (Square Foot)		182.97989074 Sqm (Square Meter)	
Amount						182.97989074 X 71.84257680551	13145.75	
14. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)								
Finishing wall two coats with plastic emulsion paint 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	1969.580	0.000	0.000	0.000	1969.580	-
Total Quantity					1969.58 Sft (Square Foot)		182.97989074 Sqm (Square Meter)	
Amount						182.97989074 X 94.7676397125	17340.57	
15. Painting (AR0918hk) : Finishing wall with two coats 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 two coats 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	SCARPING OUTSIDE+6MM+12MM	1.000	1167.170	0.000	0.000	0.000	1167.170	-

Total Quantity	1167.17 Sft (Square Foot)	108.43359451 Sqm (Square Meter)
Amount	108.43359451 X 163.17238623702	17693.37

16. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.

Priming one coat in inner surface with primer of approved quality over iron work 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	HALL d	1.000	4.000	6.000	2.250	0.000	54.000	-
ii	kitchen D	2.000	3.500	6.000	2.250	0.000	94.500	-
iii	STORE D	1.000	3.500	6.000	2.250	0.000	47.250	-
iv	V D	1.000	3.500	6.000	2.250	0.000	47.250	-
v	W	3.000	4.000	4.000	2.750	0.000	132.000	-
vi	V W	2.000	5.000	4.000	2.750	0.000	110.000	-
Total Quantity					485 Sft (Square Foot)		45.057955 Sqm (Square Meter)	
Amount					45.057955 X 66.12221647451		2979.33	

17. 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	AS PER PRIMING	1.000	485.000	1.000	0.000	0.000	485.000	-
Total Quantity					485 Sft (Square Foot)		45.057955 Sqm (Square Meter)	
Amount					45.057955 X 164.24273777702		7400.44	

Total Amount	173945.55
Addition	
Provision for PH Work (+) @	12000.00
Provision for EI Work (+) @	
Provision for Contingency (+) @	2000.00
Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	9054.44
Provision for survey investigation and quality control (+) @	
Total Addition	26054.44
Grand Net Total Amount	199999.99

JE
Soro Block

Nirmala Kanta Parida
AEE
Soro Block

Satyanath Naik
BDO
Soro Block