

Detailed Estimate

OD/346/3309/116328/394014/00066577 : Completion of AWC building at Karanjagohiri GP-Pakhar

Block : Soro, Gram Panchayat : Saknar

Created By:Chandra Sekhar Mohapatra

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	footings of gate columns	2.000	3.000	3.000	3.000	0.000	54.000	-
ii	cutt of wall of approach road	2.000	33.830	0.500	0.500	0.000	16.915	-
Total Quantity					70.915 Cft (Cubic Foot)		2.008085872 Cum (Cubic Meter)	
Amount					2.008085872 X 240.77592		483.50	
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	footings	2.000	3.000	3.000	0.330	0.000	5.940	-
ii	cutt off wall	2.000	33.830	0.500	0.330	0.000	11.164	-
iii	approach road to AWC	1.000	33.830	5.500	0.500	0.000	93.033	-
iv	approach to toilet	1.000	22.000	5.000	0.500	0.000	55.000	-
v	do	1.000	5.000	8.000	0.500	0.000	20.000	-
Total Quantity					185.1364 Cft (Cubic Foot)		5.24247041152 Cum (Cubic Meter)	

Amount					5.24247041152 X 1493.995232	7832.23		
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	footings	2.000	3.000	3.000	0.330	0.000	5.940	-
ii	cutt off wall	2.000	33.830	0.500	0.750	0.000	25.373	-
iii	approach to toilet	1.000	22.000	3.000	0.330	0.000	21.780	-
iv	do	1.000	5.000	8.000	0.330	0.000	13.200	-
Total Quantity					66.2925 Cft (Cubic Foot)		1.877191464 Cum (Cubic Meter)	
Amount					1.877191464 X 6120.2154627		11488.82	
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.)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Footings	2.000	2.500	2.500	0.830	0.000	10.375	-
ii	pedestals	2.000	0.830	0.830	1.500	0.000	2.067	-
Total Quantity					12.4417 Cft (Cubic Foot)		0.35230913056 Cum (Cubic Meter)	
Amount					0.35230913056 X 6591.7423698855		2322.33	
5. 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	Columns of Gate	2.000	0.830	0.830	5.500	0.000	7.578	-
Total Quantity					7.5779 Cft (Cubic Foot)		0.21458187872 Cum (Cubic Meter)	
Amount					0.21458187872 X 14647.495757205		3143.09	

6. 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	Approach road	1.000	33.830	5.500	0.000	0.000	186.065	-
Total Quantity					186.065 Sft (Square Foot)		17.285996695 Sqm (Square Meter)	
Amount					17.285996695 X 556.385		9617.67	

7. 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	footings (10 mm)	16.000	2.070	0.620	0.000	0.000	20.534	-
ii	columns(10 mm)	8.000	2.450	0.620	0.000	0.000	12.152	-

iii	8 mm strrups	28.000	0.900	0.390	0.000	0.000	9.828	-
Total Quantity					42.5144 Kg (Kilo Gram)		0.425144 Qntl (Quintal)	
Amount					0.425144 X 8421.6029474		3580.39	
8. Iron Work (AR1704) : Iron Doors and windows fixing								
Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	M S Gate	1.000	6.500	6.250	4.000	0.000	162.500	-
Total Quantity					162.5 Kg (Kilo Gram)		1.625 Qntl (Quintal)	
Amount					1.625 X 15764.814895087		25617.82	
9. miscellaneous (ARM161) : Labour for fitting and fixing woven wire fencing with top line of barbed wire to the posts by means of staples and straining hooks. (Fencing) and as directed by Engineer-in-Charge.								
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SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wire mesh(Chelli Jali)	1.000	80.000	0.000	0.000	0.000	80.000	-
Total Quantity					80 Ft (Feet)		24.383999219712 Rmt (Meter)	
Amount					24.383999219712 X 0.008406		0.20	
10. miscellaneous (ARM164) : Supplying fitting and fixing R.C.C. (1:2:4) fencing posts with chips 1.68M long 13cmx 13cm at bottom and 8cm x 8 cm at top and 30cm x 30cm x8 cm base finished smooth (Fencing) and as directed by Engineer-in-Charge.								
Supplying fitting and fixing R.C.C. (1:2:4) fencing posts with chips 1.68M long 13cmx 13cm at bottom and 8cm x 8 cm at top and 30cm x 30cm x8 cm base finished smooth (Fencing) and as directed by Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	precast posts for fencing	1.000	13.000	0.000	0.000	0.000	13.000	-
Total Quantity					13 Each (Each)		13 Each (Each)	
Amount					13 X 197.87		2572.31	
11. 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 specificaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Approach to toilet	1.000	22.000	3.000	0.160	0.000	10.560	-
ii	do	1.000	5.000	8.000	0.160	0.000	6.400	-
Total Quantity					16.96 Cft (Cubic Foot)		0.480252928 Cum (Cubic Meter)	
Amount					0.480252928 X 7553.6860609		3627.68	
12. Earth Work (AR0122Bii) : Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift								
Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	yard /campus filling	1.000	40.000	20.000	2.000	0.000	1600.000	-
ii	voids	1.000	0.160	1600.000	0.000	0.000	-	256.000
Total Quantity					1344 Cft (Cubic Foot)		38.0577792 Cum (Cubic Meter)	
Amount					38.0577792 X 361.33930892		13751.77	
Total Amount							84037.81	
Addition								

Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	1000.00
Display Citizen Board (+) @	3962.18
Any Other Lumpsum (+) @	11000.00
Provision for survey investigation and quality control (+) @	
Total Addition	15962.18
Grand Net Total Amount	99999.99

Chandra Sekhar Mohapatra
JE
Soro Block

Nirmala Kanta Parida
AEE
Soro Block

Satyanath Naik
BDO
Soro Block