

Detailed Estimate

OD/346/3309/116328/394014/00066161 : Repair & Maintenance of Pakhar PHC

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	water fubara	1.000	0.785	49.000	3.000	0.000	115.395	-
Total Quantity						115.395 Cft (Cubic Foot)	3.267617136 Cum (Cubic Meter)	
Amount						3.267617136 X 240.77592	786.76	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	water fubara	1.000	0.785	49.000	0.500	0.000	19.233	-
Total Quantity						19.2325 Cft (Cubic Foot)	0.544602856 Cum (Cubic Meter)	
Amount						0.544602856 X 1392.995232	758.63	
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	(Fubara foundation)levelling course	1.000	0.785	49.000	0.500	0.000	19.233	-
Total Quantity					19.2325 Cft (Cubic Foot)		0.544602856 Cum (Cubic Meter)	
Amount					0.544602856 X 6143.84406526		3345.96	
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 specificaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	floor of fubara	1.000	0.785	25.000	0.330	0.000	6.476	-
Total Quantity					6.47625 Cft (Cubic Foot)		0.183386676 Cum (Cubic Meter)	
Amount					0.183386676 X 7586.78443962		1391.32	
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	Grade beam	1.000	90.000	0.830	1.000	0.000	74.700	-
ii	columns	15.000	0.830	0.830	3.000	0.000	31.001	-
Total Quantity					105.7005 Cft (Cubic Foot)		2.9930999184 Cum (Cubic Meter)	
Amount					2.9930999184 X 6302.9473119502		18865.35	
6. 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	Gradebeam	1.000	90.000	2.000	1.000	0.000	180.000	-
Total Quantity					180 Sft (Square Foot)		16.72254 Sqm (Square Meter)	
Amount					16.72254 X 216.23489289764		3616.00	

7. 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	columns	15.000	4.000	0.830	3.000	0.000	149.400	-
Total Quantity					149.4 Sft (Square Foot)		13.8797082 Sqm (Square Meter)	
Amount					13.8797082 X 1047.3822930467		14537.36	

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	10 mm (pile fdn)	15.000	4.000	3.000	0.000	0.620	111.600	-
ii	8 mm	15.000	17.000	0.650	0.000	0.390	64.643	-
iii	10 mm (columns)	15.000	4.000	1.500	0.000	0.890	80.100	-
iv	8 mm	15.000	9.000	0.900	0.000	0.390	47.385	-
v	12 mm (Grase beam)	1.000	6.000	27.360	0.000	0.890	146.102	-

vi	8 mm	1.000	181.000	0.900	0.000	0.390	63.531	-
Total Quantity					513.3609 Kg (Kilo Gram)		5.133609 Qntl (Quintal)	
Amount					5.133609 X 8632.0992593		44313.82	
9. 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/cm ² 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	250 mm th wall	1.000	90.830	0.830	3.000	0.000	226.167	-
ii	do(fubara)	1.000	18.300	0.830	3.000	0.000	45.567	-
iii	Ded for columns	15.000	0.830	0.830	3.000	0.000	-	31.001
Total Quantity					240.7332 Cft (Cubic Foot)		6.81679387776 Cum (Cubic Meter)	
Amount					6.81679387776 X 5364.080181568		36565.83	
10. Painting (AR0918h) : 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).								
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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	taking plastering area	1.000	892.700	0.000	0.000	0.000	892.700	-
Total Quantity					892.7 Sft (Square Foot)		82.9345081 Sqm (Square Meter)	
Amount					82.9345081 X 160.71529806685		13328.84	
11. 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	Grill Gate	0.000	6.500	4.000	0.000	2.750	71.500	-
Total Quantity					71.5 Kg (Kilo Gram)		0.715 Qntl (Quintal)	
Amount					0.715 X 15965.287573087		11415.18	

12. Pile Foundation (AR1501bi) : For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add to / deduct delete / from the rate in single under-reamed (300mm dia) pile using 12mm size crusher broken chips in RCC M20.

For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add to / deduct delete / from the rate in single under-reamed (300mm dia) pile using 12mm size crusher broken chips in RCC M-20.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	for 2.50 m length	15.000	5.000	0.000	0.000	0.000	75.000	-
Total Quantity					75 Nos (Number)		75 Nos (Number)	
Amount					75 X 360.26290705378		27019.72	

13. 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	Wall	1.000	90.830	2.000	4.000	0.000	726.640	-
ii	Arch designed coping	1.000	90.000	1.000	1.000	0.000	90.000	-
iii	Fubara wall	1.000	15.750	1.000	4.830	0.000	76.073	-
Total Quantity					892.7125 Sft (Square Foot)		82.9356693875 Sqm (Square Meter)	
Amount					82.9356693875 X 257.810947842		21381.72	

Total Amount	197326.49
Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	2000.00
Display Citizen Board (+) @	673.51
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	2673.51
Grand Net Total Amount	200000.00

Chandra Sekhar Mohapatra
JE
Soro Block

Nirmala Kanta Parida
AEE
Soro Block

Satyanath Naik
BDO
Soro Block