

Detailed Estimate

OD/355/3388/118111/397444/00064614 : Repair and maintenance of Ramtara Project UP School

Block : Erasama, Gram Panchayat : Padmapur

Created By: Jayanta Kumar Sethy

1. 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	1.200	1.200	0.150	0.000	1.296	-
ii	wall	2.000	1.900	0.600	0.100	0.000	0.228	-
iii		2.000	3.050	0.600	0.100	0.000	0.366	-
iv	inner	1.000	5.000	3.750	0.600	0.000	11.250	-
Total Quantity					13.14 cum (cum)		13.14 Cum (Cubic Meter)	
Amount					13.14 X 1048.625632		13778.94	
2. 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	column	6.000	1.200	1.200	0.150	0.000	1.296	-
ii	wall	2.000	1.900	0.600	0.150	0.000	0.342	-
iii		2.000	3.050	0.600	0.150	0.000	0.549	-
iv	floor	1.000	5.000	3.750	0.100	0.000	1.875	-
Total Quantity					4.062 cum (cum)		4.062 Cum (Cubic Meter)	
Amount					4.062 X 6940.28047628		28191.42	

3. Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift

Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	6.000	1.200	1.200	1.200	0.000	10.368	-
ii	wall	2.000	1.900	0.600	0.600	0.000	1.368	-
iii		2.000	3.050	0.600	0.600	0.000	2.196	-
Total Quantity					13.932 cum (cum)		13.932 Cum (Cubic Meter)	
Amount					13.932 X 179.18208		2496.36	

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.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column base	6.000	1.200	1.200	0.150	0.000	1.296	-
ii		6.000	0.900	0.900	0.300	0.000	1.458	-
iii		6.000	0.250	0.250	0.750	0.000	0.281	-
Total Quantity					3.03525 cum (cum)		3.03525 Cum (Cubic Meter)	
Amount					3.03525 X 7426.7744276821		22542.12	

5. R.C.C. Work (AR0404Ab) : 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 Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth beam	2.000	5.500	0.250	0.250	0.000	0.688	-
ii		2.000	3.750	0.250	0.250	0.000	0.469	-
Total Quantity					1.15625 cum (cum)		1.15625 Cum (Cubic Meter)	
Amount					1.15625 X 8183.5965528238		9462.28	

6. 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	column	6.000	0.250	0.250	2.400	0.000	0.900	-
ii	wall beam	2.000	5.500	0.250	0.200	0.000	0.550	-
iii		2.000	3.750	0.250	0.200	0.000	0.375	-
iv	beam	1.000	4.250	0.250	0.250	0.000	0.266	-
Total Quantity					2.090625 cum (cum)		2.090625 Cum (Cubic Meter)	
Amount					2.090625 X 15482.527815002		32368.16	

7. R.C.C. Work (AR0404Ad) : 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 Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel	2.000	5.500	0.250	0.150	0.000	0.413	-
ii		2.000	3.750	0.250	0.150	0.000	0.281	-

Total Quantity	0.69375 cum (cum)	0.69375 Cum (Cubic Meter)
Amount	0.69375 X 13750.638156213	9539.51

8. 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	5.800	4.550	0.100	0.000	2.639	-
ii	chajja	3.000	1.500	0.600	0.075	0.000	0.203	-
Total Quantity					2.8415 cum (cum)		2.8415 Cum (Cubic Meter)	
Amount					2.8415 X 13728.658832072		39009.98	

9. 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	ms rod	10.000	0.000	0.000	0.000	0.000	10.000	-
Total Quantity					10 Qntl (Quintal)		10 Qntl (Quintal)	
Amount					10 X 8421.1581636		84211.58	

10. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

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/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	footing	2.000	4.750	0.380	0.150	0.000	0.542	-	
ii		2.000	3.750	0.380	0.150	0.000	0.428	-	
iii		2.000	4.750	0.250	0.450	0.000	1.069	-	
iv		2.000	3.750	0.250	0.450	0.000	0.844	-	
Total Quantity					2.8815 cum (cum)		2.8815 Cum (Cubic Meter)		
Amount					2.8815 X 5386.366936104		15520.82		

11. 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	ss	2.000	4.750	0.250	2.400	0.000	5.700	-	
ii		2.000	3.750	0.250	2.400	0.000	4.500	-	
iii	dedn, door	1.000	0.900	0.250	2.100	0.000	-	0.473	
iv	window	2.000	1.370	0.250	1.200	0.000	-	0.822	
Total Quantity					8.9055 cum (cum)		8.9055 Cum (Cubic Meter)		
Amount					8.9055 X 5464.662136104		48665.55		

12. 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	outer	2.000	5.500	3.650	0.000	0.000	40.150	-
ii		2.000	4.250	3.650	0.000	0.000	31.025	-

iii	Door	1.000	0.900	2.100	0.000	0.000	-	1.890
iv	Window	2.000	1.200	1.200	0.000	0.000	-	2.880
Total Quantity					66.405 Sqm (Sqm)		66.405 Sqm (Square Meter)	
Amount					66.405 X 176.0583545856		11691.16	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	inner	2.000	5.000	3.000	0.000	0.000	30.000	-
ii		2.000	3.750	3.000	0.000	0.000	22.500	-
iii	Door	1.000	0.900	2.100	0.000	0.000	-	1.890
iv	Window	2.000	1.200	1.200	0.000	0.000	-	2.880
Total Quantity					47.73 Sqm (Sqm)		47.73 Sqm (Square Meter)	
Amount					47.73 X 251.553193276		12006.63	

14. Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	A.S Flooring	1.000	5.000	3.750	0.000	0.000	18.750	-
Total Quantity					18.75 Sqm (Sqm)		18.75 Sqm (Square Meter)	
Amount					18.75 X 400.5171185856		7509.70	

15. 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	DOOR	1.000	0.900	2.100	0.000	35.000	66.150	-
ii	WINDOW	2.000	1.200	1.200	0.000	55.000	158.400	-
Total Quantity					224.55 Kg (Kilo Gram)		2.2455 Qntl (Quintal)	
Amount					2.2455 X 15764.314339087		35398.77	

16. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)

Finishing wall two coats with distemper 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	inner	2.000	5.000	3.000	0.000	0.000	30.000	-
ii		2.000	3.750	3.000	0.000	0.000	22.500	-
iii	Deduction	1.000	0.900	2.100	0.000	0.000	-	1.890
iv	W	2.000	1.200	1.200	0.000	0.000	-	2.880
Total Quantity					47.73 Sqm (Sqm)		47.73 Sqm (Square Meter)	
Amount					47.73 X 78.835517175		3762.82	

17. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	5.800	4.550	0.000	0.000	26.390	-
Total Quantity					26.39 Sqm (Sqm)		26.39 Sqm (Square Meter)	
Amount					26.39 X 381.6717972456		10072.32	

18. 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		2.000	5.000	3.000	0.000	0.000	30.000	-
ii		2.000	3.750	3.000	0.000	0.000	22.500	-
iii		1.000	5.000	3.750	0.000	0.000	18.750	-
iv	Deduction	1.000	0.900	2.100	0.000	0.000	-	1.890
v	W	2.000	1.200	1.200	0.000	0.000	-	2.880
Total Quantity					66.48 Sqm (Sqm)		66.48 Sqm (Square Meter)	
Amount					66.48 X 71.83248932951		4775.42	

19. Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork

Priming one coat in outer surface with primer of approved quality over woodwork 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		2.000	5.500	3.650	0.000	0.000	40.150	-
ii		2.000	4.250	3.650	0.000	0.000	31.025	-
iii	Deduction	1.000	0.900	2.100	0.000	0.000	-	1.890
iv	W	2.000	1.200	1.200	0.000	0.000	-	2.880
Total Quantity					66.405 Sqm (Sqm)		66.405 Sqm (Square Meter)	
Amount					66.405 X 70.08544099121		4654.02	
Total Amount							395657.56	

Addition

Provision for PH Work (+) @

Provision for EI Work (+) @

Provision for Contingency (+) @	3956.58
Display Citizen Board (+) @	384.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	4340.58
Grand Net Total Amount	399998.13

Jayanta Kumar Sethy
JE
Erasama Block

Dipti Rekha Mallick
AEE
Erasama Block

Sri Dasarathi Jena
BDO
Erasama Block