

Detailed Estimate

OD/356/3397/118337/401391/00071764 : Construction Of Saluani Community Centre
Block : Dharmasala, Gram Panchayat : Endalba
Created By:PRADOSH RANJAN DASH

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		9.000	1.200	1.200	1.200	0.000	15.552	-
ii		1.000	18.150	0.600	0.500	0.000	5.445	-
Total Quantity					20.997 cum (cum)		20.997 Cum (Cubic Meter)	
Amount					20.997 X 240.77592		5055.57	
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		9.000	1.200	1.200	0.100	0.000	1.296	-
ii		1.000	18.150	0.600	0.100	0.000	1.089	-
iii		1.000	4.100	7.100	0.500	0.000	14.555	-
Total Quantity					16.94 cum (cum)		16.94 Cum (Cubic Meter)	
Amount					16.94 X 515.507232		8732.69	
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		9.000	1.200	1.200	0.150	0.000	1.944	-
ii		1.000	18.150	0.600	0.100	0.000	1.089	-
iii		1.000	4.950	4.350	0.100	0.000	2.153	-
iv		1.000	4.950	1.500	0.100	0.000	0.743	-
Total Quantity					5.92875 cum (cum)		5.92875 Cum (Cubic Meter)	
Amount					5.92875 X 5623.56250266		33340.70	
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		9.000	1.200	1.200	0.250	0.000	3.240	-
Total Quantity					3.24 cum (cum)		3.24 Cum (Cubic Meter)	
Amount					3.24 X 6200.9978895747		20091.23	
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		1.000	26.550	0.250	0.250	0.000	1.659	-
Total Quantity					1.659375 cum (cum)		1.659375 Cum (Cubic Meter)	

Amount				1.659375 X 6957.8200147164			11545.63	
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		9.000	0.250	0.250	3.450	0.000	1.941	-
ii		0.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					2.940625 cum (cum)		2.940625 Cum (Cubic Meter)	
Amount				2.940625 X 14256.751276895			41923.76	
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		1.000	26.550	0.250	0.150	0.000	0.996	-
ii		1.000	26.550	0.250	0.150	0.000	0.996	-
Total Quantity					1.99125 cum (cum)		1.99125 Cum (Cubic Meter)	
Amount				1.99125 X 12865.282118105			25617.99	
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		1.000	5.550	6.300	0.125	0.000	4.371	-
ii		1.000	5.500	0.500	0.075	0.000	0.206	-
Total Quantity					4.576875 cum (cum)		4.576875 Cum (Cubic Meter)	
Amount					4.576875 X 12532.470243965		57359.55	

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		1.000	14.000	0.000	0.000	0.000	14.000	-
Total Quantity					14 Qntl (Quintal)		14 Qntl (Quintal)	
Amount					14 X 8442.477183		118194.68	

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		1.000	18.150	0.500	0.150	0.000	1.361	-
ii		1.000	18.150	0.375	0.500	0.000	3.403	-
Total Quantity					4.764375 cum (cum)		4.764375 Cum (Cubic Meter)	
Amount					4.764375 X 5047.558051088		24048.46	

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		1.000	18.150	0.250	2.850	0.000	12.932	-
ii		1.000	1.050	0.250	2.100	0.000	-	0.551
iii		1.000	1.200	0.250	1.200	0.000	-	0.360
iv		1.000	7.100	0.250	2.100	0.000	-	3.728
Total Quantity					8.293125 cum (cum)		8.293125 Cum (Cubic Meter)	
Amount					8.293125 X 5080.888051088		42136.44	

12. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	216.000	0.000	0.000	0.000	216.000	-
Total Quantity					216 Kg (Kilo Gram)		2.16 Qntl (Quintal)	
Amount					2.16 X 15784.618167087		34094.78	

13. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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		1.000	12.200	3.300	0.000	0.000	40.260	-
Total Quantity					40.26 Sqm (Sqm)		40.26 Sqm (Square Meter)	

Amount	40.26 X 171.0119913532	6884.94
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14. 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		1.000	30.000	2.850	0.000	0.000	85.500	-
ii		1.000	1.050	2.100	0.000	0.000	-	2.205
iii		1.000	1.200	1.200	0.000	0.000	-	1.440
iv		1.000	7.100	2.100	0.000	0.000	-	14.910
Total Quantity					66.945 Sqm (Sqm)		66.945 Sqm (Square Meter)	
Amount					66.945 X 245.496359222		16434.75	

15. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside.

20mm thick cement Plaster in CM (1:4) over stone 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		1.000	4.900	6.300	0.000	0.000	30.870	-
Total Quantity					30.87 Sqm (Sqm)		30.87 Sqm (Square Meter)	
Amount					30.87 X 269.2167339776		8310.72	

16. Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i		1.000	5.000	5.500	0.000	0.000	27.500	-	
ii		1.000	4.100	1.500	0.000	0.000	6.150	-	
iii		0.000	0.000	0.000	0.000	0.000	1.000	-	
Total Quantity					34.65 Sqm (Sqm)		34.65 Sqm (Square Meter)		
Amount					34.65 X 1053.1948692326		36493.20		

17. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer

Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, 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		1.000	40.000	0.000	0.000	0.000	40.000	-	
Total Quantity					40 Sqm (Sqm)		40 Sqm (Square Meter)		
Amount					40 X 160.24105073419		6409.64		

18. Painting (AR0922b) : Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer on new work (Inside)

Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer for new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty 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	60.000	0.000	0.000	0.000	60.000	-	
Total Quantity					60 Sqm (Sqm)		60 Sqm (Square Meter)		
Amount					60 X 150.47727961951		9028.64		

19. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface

Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty 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		1.000	14.220	0.000	0.000	0.000	14.220	-

Total Quantity	14.22 Sqm (Sqm)	14.22 Sqm (Square Meter)
Amount	14.22 X 229.62828514803	3265.31
Total Amount		508968.70
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		10730.00
Provision for Contingency (+) @		5300.00
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		21030.00
Grand Net Total Amount		529998.70

PRADOSH RANJAN DASH
JE
Dharmasala Block

LINGARAJ PANDA
AEE
Dharmasala Block

Jyotirmaya Kar
BDO
Dharmasala Block