

Detailed Estimate

OD/354/3382/275074/412616/00073912 : CONSTRUCTION OF BOUNDARY WALL OF MISSION SHAKTI GRUHA AT RANGEILUNDA

Block : Rangeilunda, Gram Panchayat : Rangeilunda

Created By:SUJIT KUMAR SETHI

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	Foundation	1.000	85.000	2.000	2.500	0.000	425.000	-
Total Quantity						425 Cft (Cubic Foot)	12.03464 Cum (Cubic Meter)	
Amount						12.03464 X 240.77592	2897.65	
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	Foundation	1.000	85.000	2.000	0.500	0.000	85.000	-
Total Quantity						85 Cft (Cubic Foot)	2.406928 Cum (Cubic Meter)	
Amount						2.406928 X 905.791432	2180.17	
3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	Foundation	1.000	85.000	2.000	0.500	0.000	85.000	-
Total Quantity						85 Cft (Cubic Foot)	2.406928 Cum (Cubic Meter)	

Amount							2.406928 X 5485.7288167	13203.75
4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth 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	1st footing	1.000	85.000	2.000	1.500	0.000	255.000	-
ii	2nd footing	1.000	85.000	1.500	1.500	0.000	191.250	-
Total Quantity					446.25 Cft (Cubic Foot)		12.636372 Cum (Cubic Meter)	
Amount					12.636372 X 5068.72897136		64050.34	
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	Foundation	1.000	85.000	1.500	0.500	0.000	63.750	-
Total Quantity					63.75 Cft (Cubic Foot)		1.805196 Cum (Cubic Meter)	
Amount					1.805196 X 6984.2496061192		12607.94	
6. 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	1.590	0.000	0.000	0.000	0.000	1.590	-
Total Quantity					1.59 Qntl (Quintal)		1.59 Qntl (Quintal)	

Amount						1.59 X 8664.0005739	13775.76	
7. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (23cm x 11cm 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	Wall	1.000	85.000	0.750	5.330	0.000	339.788	-
ii	Gate	1.000	8.000	0.750	5.330	0.000	-	31.980
Total Quantity						307.8075 Cft (Cubic Foot)	8.716123416 Cum (Cubic Meter)	
Amount						8.716123416 X 5102.05897136	44470.18	
8. 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	Wall	1.000	85.000	0.000	2.000	0.000	170.000	-
Total Quantity						170 Sft (Square Foot)	15.79351 Sqm (Square Meter)	
Amount						15.79351 X 272.694320972	4306.80	
9. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.								
12mm thick cement plaster (1:6) over Brick work in outside 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	85.000	0.000	5.330	0.000	453.050	-
ii	Gate	1.000	8.000	0.000	5.330	0.000	-	42.640
Total Quantity						410.41 Sft (Square Foot)	38.12832023 Sqm (Square Meter)	

Amount	38.12832023 X 173.257627454	6606.02
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10. 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	85.000	0.000	6.080	0.000	516.800	-
ii	Gate	1.000	8.000	0.500	6.080	0.000	-	24.320
Total Quantity					492.48 Sft (Square Foot)		45.75286944 Sqm (Square Meter)	
Amount					45.75286944 X 248.19167229		11355.48	

11. 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	As per Qty of plaster surface	99.670	0.000	0.000	0.000	0.000	99.670	-
Total Quantity					99.67 Sqm (Sqm)		99.67 Sqm (Square Meter)	
Amount					99.67 X 160.72822700355		16019.78	

Total Amount (A) : 191473.89

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ 0%	-	0
2	Display Citizen Board @ Rs.2500	-	2500
3	Any Other Lumpsum @ Rs.7945	G.I Grill	7945

Additional Components Amount (F) : 10445

Grand Total Amount (A + F) : 201918.88780176

**SUJIT KUMAR SETHI
JE
Rangeilunda Block**

**SRI NABIN BHUYAN
AEE
Rangeilunda Block**

**BISWAJIT RAY
BDO
Rangeilunda Block**