

## Detailed Estimate

**OD/346/3301/275588/392483/00075920 : Const of Bthing Ghat at Pejagal River at Pegarpada**

**Block : Basta, Gram Panchayat : Kudia**

**Created By: MAINO MARANDI**

<b>1. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	WALL	1.000	47.500	10.330	2.333	0.000	1144.910	-
ii	GB	2.000	50.000	1.500	0.330	0.000	49.500	-
iii	SW	3.000	10.330	1.500	0.330	0.000	15.340	-
<b>Total Quantity</b>						1209.7483831698 Cft (Cubic Foot)	34.256203016542 Cum (Cubic Meter)	
<b>Amount</b>						<b>34.256203016542 X 1151.302232</b>	<b>39439.24</b>	
<b>2. Pile Foundation (AR1501ca) : Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips</b>								
Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (250mm dia and 3.0 meter long)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	PILLING	15.000	0.000	0.000	0.000	0.000	15.000	-
<b>Total Quantity</b>						15 Nos (Number)	15 Nos (Number)	
<b>Amount</b>						<b>15 X 2508.86728717</b>	<b>37633.01</b>	
<b>3. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
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/cm <sup>2</sup> 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	2.000	50.000	0.830	3.660	0.000	303.780	-	
ii	WALL	2.000	12.000	0.830	2.660	0.000	52.987	-	
iii	WALL	3.000	10.330	0.830	3.660	0.000	94.141	-	
iv	COLUMN	15.000	0.830	0.830	2.500	0.000	-	25.834	
Total Quantity						425.074872 Cft (Cubic Foot)		12.03676013545 Cum (Cubic Meter)	
Amount						12.03676013545 X 5130.407591568		61753.49	

**4. 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	COLUMN	15.000	0.830	0.830	2.500	0.000	25.834	-	
ii	GB	2.000	50.000	0.830	1.000	0.000	83.000	-	
iii	SW	3.000	10.330	0.830	1.000	0.000	25.722	-	
iv	SLAB	1.000	50.000	12.000	0.330	0.000	198.000	-	
v	STEP	15.000	12.000	2.500	0.375	0.000	168.750	-	
Total Quantity						501.30545 Cft (Cubic Foot)		14.19536616656 Cum (Cubic Meter)	
Amount						14.19536616656 X 6745.0940019502		95749.08	

**5. 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	8.940	0.000	0.000	0.000	0.000	8.940	-	
Total Quantity						8.94 Qntl (Quintal)		8.94 Qntl (Quintal)	

		<b>Amount</b>		<b>8.94 X 8632.0992593</b>		<b>77170.97</b>		
<b>6. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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	LW	2.000	50.000	1.500	0.330	0.000	49.500	-
ii	SW	3.000	10.330	1.500	0.330	0.000	15.340	-
Total Quantity							64.84005 Cft (Cubic Foot)	1.83606272784 Cum (Cubic Meter)
Amount							1.83606272784 X 6615.46720126	12146.41
<b>7. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>								
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	GB	1.000	62.000	2.000	1.000	0.000	124.000	-
ii	IN SIDE	3.000	10.330	2.000	1.000	0.000	61.980	-
iii	IN SIDE	1.000	57.830	2.000	1.000	0.000	115.660	-
Total Quantity							301.64 Sft (Square Foot)	28.02326092 Sqm (Square Meter)
Amount							28.02326092 X 216.23489289764	6059.61
<b>8. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting</b>								
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	COLUN	15.000	2.000	3.500	0.000	0.000	105.000	-

Total Quantity	105 Sft (Square Foot)	9.754815 Sqm (Square Meter)
Amount	9.754815 X 1047.3822930467	10217.02

**9. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas**

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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	SLAB	1.000	62.000	2.000	0.330	0.000	40.920	-
Total Quantity					40.92 Sft (Square Foot)		3.80159076 Sqm (Square Meter)	
Amount					3.80159076 X 662.689943368		2519.28	

**10. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	OUT SIDE	2.000	12.000	2.000	2.500	0.000	120.000	-
ii	SIDE	2.000	33.000	1.000	3.000	0.000	198.000	-
Total Quantity					318 Sft (Square Foot)		29.543154 Sqm (Square Meter)	
Amount					29.543154 X 176.1189323252		5203.11	

**11. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips**

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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	FLOOR	1.000	12.000	10.330	0.000	0.000	123.960	-
ii	SIDE	2.000	12.000	2.500	0.000	0.000	60.000	-

Total Quantity	183.96 Sft (Square Foot)	17.09043588 Sqm (Square Meter)
Amount	17.09043588 X 383.5008991252	6554.20

<b>Total Amount (A) : 354445.41</b>
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Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.5000	-	5000
2	Any Other Lumpsum @ Rs.6773.5	VAIBRATOR	6773.5
3	Provision for Contingency @ Rs.3699	-	3699
<b>Additional Components Amount (F) : 15472.5</b>			

<b>Grand Total Amount (A + F) : 369917.90675481</b>
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JE  
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AEE  
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