

SOR Period : 01/03/2019 - 31/03/2019

Created By: Asha S

Detailed Estimate

1613007002/IF/406482 : കോഴിക്കുട് നിർമ്മാണം 20 എണ്ണം (Sample Estimate)

BLOCK : Mukuthala , GRAMA PANCHAYAT : Kottamkara

Heading / Description : 1 - Earth Work								
1	2.31 -- Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared							
Sl No	Description	No	L	B	D	CF	Quantity	Remark
-								
1	Site Clearance	1	3.000	2.500		1.0	7.5000	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
0114	Beldar	Day	0.0108	271.00	2.93	0.0810	21.95	
0115	Coolie	Day	0.0060	271.00	1.63	0.0450	12.20	
Total Quantity						7.5000 sqm		
Total Deducted Quantity						0.0000 sqm		
Net Total Quantity						7.50 sqm		
Say 7.5000 sqm @ Rs 4.55 / sqm						34.12		
Unskilled wage	34.13	Unskilled Person-days			0.126			
2	80.23 -- Earth work excavation in all kinds of soil(ordinary soil 50% and hard soil 50%) and depositing on banks with initial lead upto 50m an lift upto 1.5m including neat banking							
Sl No	Description	No	L	B	D	CF	Quantity	Remark
Earth work in surface excavation								
1	Long wall	2	2.900	0.300	0.300	1.0	0.5220	-
2	Short Wall	2	1.900	0.300	0.300	1.0	0.3420	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
0115	Coolie	Day	0.4800	271.00	130.08	0.4147	112.39	
Total Quantity						0.8640 cum		
Total Deducted Quantity						0.0000 cum		
Net Total Quantity						0.86 cum		
Say 0.8640 cum @ Rs 130.08 / cum						112.39		
Unskilled wage	112.39	Unskilled Person-days			0.415			
Heading / Description : 2 - Foundation & Basement								
1	80.5.6.2.1 -- Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15cm in: CM 1:6 (1 cement :6 coarse sand) etc complete							
Sl No	Description	No	L	B	D	CF	Quantity	Remark

Foundation								
1	Long wall	2	2.900	0.300	0.300	1.0	0.5220	-
2	Short Wall	2	1.900	0.300	0.300	1.0	0.3420	-
Basement								
3	Long wall	2	2.900	0.300	0.150	1.0	0.2610	-
4	Short Wall	2	1.900	0.300	0.150	1.0	0.1710	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
MR4	Solid blocks of size 30x20x15cm	each	103.0000	35.00	3605.00	133.4880	4672.08	
3.11	Cement mortar 1:6 (1 cement : 6 coarse sand).	cum	0.0900	4781.04	430.29	0.1166	557.66	
9999	Sundries	L.S	2.7300	3.00	8.19	3.5381	10.61	
0123	Mason (brick layer) Ist class	Day	0.4000	1000.00	400.00	0.5184	518.40	
0124	Mason (brick layer)2nd class	Day	0.4000	950.00	380.00	0.5184	492.48	
0115	Coolie	Day	1.4600	271.00	395.66	1.8922	512.78	
0101	Bhisti	Day	0.4500	800.00	360.00	0.5832	466.56	
Total Quantity						1.2960 cum		
Total Deducted Quantity						0.0000 cum		
Net Total Quantity						1.30 cum		
Say 1.2960 cum @ Rs 5579.14 / cum						7230.57		
Unskilled wage	536.48	Unskilled Person-days			1.98			
2	80.5.6.2.2 -- Solid masonry using pre cast solid blocks (factory made) of size 30x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in : CM 1:6 (1 cement : 6 coarse sand) etc complete							
SI No	Description	No	L	B	D	CF	Quantity	Remark
For superstructure								
1	Long wall	2	2.800	0.200	0.300	1.0	0.3360	-
2	Short Wall	2	2.000	0.200	0.300	1.0	0.2400	-
Pillers								
3	Pillers - 4 No's at corners	4	0.200	0.200	1.500	1.0	0.2400	-
4	Pillers - 2 No's at centre	2	0.200	0.200	2.100	1.0	0.1680	-
Deductions								
5	Door open area	1	0.750	0.200	0.300	1.0	-0.0450	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
MR4	Solid blocks of size 30x20x15cm	each	103.0000	35.00	3605.00	96.7170	3385.10	
3.11	Cement mortar 1:6 (1 cement : 6 coarse sand).	cum	0.0900	4781.04	430.29	0.0845	404.05	
9999	Sundries	L.S	2.7300	3.00	8.19	2.5635	7.69	

0123	Mason (brick layer) Ist class	Day	0.5300	1000.00	530.00	0.4977	497.67
0124	Mason (brick layer)2nd class	Day	0.5300	950.00	503.50	0.4977	472.79
0115	Coolie	Day	1.9000	271.00	514.90	1.7841	483.49
0101	Bhisti	Day	0.4500	800.00	360.00	0.4226	338.04
9999	Sundries	L.S	22.3600	3.00	67.08	20.9960	62.99
Total Quantity							0.9840 cum
Total Deducted Quantity							-0.0450 cum
Net Total Quantity							0.94 cum
Say 0.9390 cum @ Rs 6018.96 / cum							5651.80
Unskilled wage	500.67	Unskilled Person-days			1.847		

Heading / Description : 3 - Flooring

1	4.1.8 -- Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)						
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SI No	Description	No	L	B	D	CF	Quantity	Remark
Floor Concrete								
1	Floor area	1	2.400	2.000	0.050	1.0	0.2400	-

LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
0293	Stone Aggregate(single size): 40 mm nominal size	cum	0.6500	2070.00	1345.50	0.1560	322.92
0295	Stone Aggregate(single size):20 mm nominal size	cum	0.2400	2150.00	516.00	0.0576	123.84
2206	Stone aggregate 40 mm nominal size and above	cum	0.6500	0.00	0.00	0.1560	0.00
2202	Stone aggregate below 40 mm nominal size	cum	0.2400	0.00	0.00	0.0576	0.00
0982	Coarse sand (zone III)	cum	0.4700	2150.00	1010.50	0.1128	242.52
2203	Coarse sand	cum	0.4700	0.00	0.00	0.1128	0.00
0367	Portland Cement	tonne	0.1700	8400.00	1428.00	0.0408	342.72
2209	Cement	tonne	0.1700	0.00	0.00	0.0408	0.00
0155	Mason (average)	Day	0.1000	950.00	95.00	0.0240	22.80
0114	Beldar	Day	1.6300	271.00	441.73	0.3912	106.02
0101	Bhisti	Day	0.7000	800.00	560.00	0.1680	134.40
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	Day	0.0700	2400.00	168.00	0.0168	40.32
0012	Vibrator (Needle type 40 mm)	Day	0.0700	500.00	35.00	0.0168	8.40
9999	Sundries	L.S	13.5200	3.00	40.56	3.2448	9.73
Total Quantity							0.2400 cum
Total Deducted Quantity							0.0000 cum

Net Total Quantity						0.24 cum
Say 0.2400 cum @ Rs 5640.29 / cum						1353.67
Unskilled wage	106.02	Unskilled Person-days			0.391	

Heading / Description : 4 - Wall plastering

1	13.1.1 -- 12 mm cement plaster of mix: 1:4 (1 cement : 4 fine sand)							
Sl No	Description	No	L	B	D	CF	Quantity	Remark
Plastering wall								
1	out side -basement wall -all around	1	10.800		0.300	1.0	3.2400	-
2	out side wall	1	10.400		0.300	1.0	3.1200	-
3	Pillers - 4No's @ corners	4	4*0.2		1.500	1.0	4.8000	-
4	Pillers - 2No's @ centre	2	4*0.2		2.100	1.0	3.3600	-
5	Inside wall	1	8.800		0.500	1.0	4.4000	-
6	Floor	1	2.400	2.000		1.0	4.8000	-
Deductions								
7	Door opening	2	0.750		0.300	1.0	-0.4500	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
3.4	Cement mortar 1:4 (1 cement : 4 fine sand).	cum	0.0144	5798.14	83.49	0.3351	1942.89	
0155	Mason (average)	Day	0.0670	950.00	63.65	1.5591	1481.14	
0115	Coolie	Day	0.0750	271.00	20.32	1.7453	472.96	
0101	Bhisti	Day	0.0920	800.00	73.60	2.1408	1712.67	
9999	Sundries	L.S	1.2610	3.00	3.78	29.3435	88.03	
Total Quantity						23.7200 sqm		
Total Deducted Quantity						-0.4500 sqm		
Net Total Quantity						23.27 sqm		
Say 23.2700 sqm @ Rs 244.85 / sqm						5697.66		

Unskilled wage	541.03	Unskilled Person-days			1.996	
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Heading / Description : 5 - Wire mesh

1	80.8.26 -- Providing and Fixing welded wire mesh of 10G of size (25.4mm x 25.4mm) to frame							
Sl No	Description	No	L	B	D	CF	Quantity	Remark
Area of wire mesh required								
1	For Door	1	0.750		1.800	1.0	1.3500	-
2	front side	1	1.650		1.500	1.0	2.4750	-
3	back side	1	2.400		1.500	1.0	3.6000	-
4	Both left and right sides	2	2.000		1.800	1.0	7.2000	-
5	"	2	1/2*2*0.6		1.800	1.0	2.1600	-
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	

MR113	Galvanised wire mesh of average width of aperture 1.4 and nominal dia. of wire 0.63 mm	sqm	1.0000	279.00	279.00	16.7850	4683.02
1219	Wire nails	kilogram	0.2500	87.00	21.75	4.1963	365.07
0114	Beldar	Day	0.2200	271.00	59.62	3.6927	1000.72
Total Quantity						16.7850 sqm	
Total Deducted Quantity						0.0000 sqm	
Net Total Quantity						16.79 sqm	
Say 16.7850 sqm @ Rs 360.37 / sqm						6048.81	
Unskilled wage	1000.72	Unskilled Person-days		3.693			

Heading / Description : 6 - Roofing

1	10.16.1 -- Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes							
SI No	Description	No	L	B	D	CF	Quantity	Remark
Front side								
1	Rafters -50mmx25mmx2mm (Rafter length including overhanging of 0.45m)	12	1.800			2.23	48.1680	(50mmx25mmx2mm -cf=2.23)
2	Purlins -25mmx25mmx2mm (length = 0.3+2.8+0.3=3.4m)	6	3.400			1.44	29.3760	(25mmx25mmx2mm-cf=1.44)
Back side								
3	Rafters -50mmx25mmx2mm (Rafter length including overhanging 0.30m)	12	1.650			2.23	44.1540	50mmx25mmx2mm - cf=2.23)
4	Purlins -25mmx25mmx2mm (length = 0.3+2.8+0.3=3.4m)	6	3.400			1.44	29.3760	(25mmx25mmx2mm-cf=1.44)
For supporting wire mesh								
5	For supporting wire mesh (25mm x 25mm x 2mm)	4	1.800			1.43	10.2960	(25mmx25mmx2mm-cf=1.44)
LIST								
Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)	
4009	Mild steel tubes hot finished welded type	kilogram	1.0504	58.00	60.92	169.5063	9831.37	
2205	Steel	tonne	0.0011	0.00	0.00	0.1695	0.00	
13.50.3	With ready mixed red oxide zinc chromate primer of approved	sqm	0.0235	34.51	0.81	3.7969	131.03	

	brand and manufacture on steel galvanised iron /steel works							
1215	Welding by electric plant	cm	3.0000	4.00	12.00	484.1100	1936.44	
0102	Blacksmith 1st class	Day	0.0126	950.00	11.97	2.0341	1932.37	
0100	Bandhani	Day	0.0063	800.00	5.04	1.0170	813.63	
0114	Beldar	Day	0.0462	271.00	12.53	7.4583	2021.19	
9999	Sundries	L.S	0.6784	3.00	2.04	109.4740	328.42	
Total Quantity							161.3700 kg	
Total Deducted Quantity							0.0000 kg	
Net Total Quantity							161.37 kg	
Say 161.3700 kg @ Rs 105.31 / kg							16993.87	

Unskilled wage	2046.17	Unskilled Person-days	7.55	
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2 **12.48** -- Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete (steel frame work to be paid separately)

SI No	Description	No	L	B	D	CF	Quantity	Remark
Front Side area								
1	Front Side area	1	3.400	1.800		1.0	6.1200	-
Back Side area								
2	Back Side area	1	3.400	1.650		1.0	5.6100	-

LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
8670	Mangalore tiles 20 mm thcik	each	16.0000	12.00	192.00	187.6800	2252.16
2207	Brick tiles	1000 nos	16.0000	0.00	0.00	187.6800	0.00
0123	Mason (brick layer) Ist class	Day	0.0300	1000.00	30.00	0.3519	351.90
0114	Beldar	Day	0.1560	271.00	42.28	1.8299	495.90
9999	Sundries	L.S	1.3000	3.00	3.90	15.2490	45.75
Total Quantity						11.7300 sqm	
Total Deducted Quantity						0.0000 sqm	
Net Total Quantity						11.73 sqm	
Say 11.7300 sqm @ Rs 268.18 / sqm						3145.75	

Unskilled wage	495.94	Unskilled Person-days	1.83	
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3 **12.49** -- Providing & laying on roof pressed clay tile ridge (Mangalore tile) of 20 mm thickness and of approved pattern on steel frame work complete (steel frame work to be paid separately).

SI No	Description	No	L	B	D	CF	Quantity	Remark
Ridge tile								
1	Ridge tile area	1	3.400	0.300		1.0	1.0200	-

LIST

Code	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)	Total Quantity	Total Amount(Rs)
8669	Mangalore ridge tiles 20	each	3.3333	32.00	106.67	3.4000	108.80

	mm thick						
2207	Brick tiles	1000 nos	3.3333	0.00	0.00	3.4000	0.00
0123	Mason (brick layer) Ist class	Day	0.0028	1000.00	2.78	0.0028	2.83
0114	Beldar	Day	0.0417	271.00	11.29	0.0425	11.52
9999	Sundries	L.S	0.7222	3.00	2.17	0.7367	2.21
Total Quantity						1.0200 sqm	
Total Deducted Quantity						0.0000 sqm	
Net Total Quantity						1.02 sqm	
Say 1.0200 sqm @ Rs 122.9 / sqm						125.36	
Unskilled wage	11.52	Unskilled Person-days		0.042			
7	Lump sum Type : Material	Sharpening charges					200.00
8	Lump sum Type : Material	Display Board					1006.00
Total Rs :						47600.01	
Rounded Total Rs :						47,600.00	
(Rupees Forty Seven Thousand Six Hundred Only)							
Unskilled Manpower wages						5385.05	
Materials (Includes Extra Charges)						31664.80	
Carriage						0.00	
Skilled						3380.63	
SemiSkilled						5964.53	
Lumpsum Admin						0.00	
Lumpsum Material						1206.00	
No of Person days						20	