

MODEL ESTIMATE

- Note:-**1) The execution of these model estimates is subjected to compliance / adherence to 60:40 : : Wage: material ratio at Grampanchayat as a UNIT
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**Name of Work : - Construction of Goat Shelter.....
..... under NREGA Scheme.**

H/A : MGNREGA / 2013-14

Est. Cost : Rs.30,000/-

Sl. No.	Description of Item	Unit	Nos.	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per Specifications. Specification. No. KBS 2.1(b)/2.3.5. (Page no. 5/ I-2.4). PW, P & IWTD SR - 2013-14.	Cum							
			2	4.40	0.45	0.40	1.58		
			2	1.75	0.45	0.40	0.63		
							2.21	193.19	428.00
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS. [P.No.7 / I.No.2.15] PW, P & IWTD SR 2013-14.	Cum							
			2	4.40	0.45	0.35	1.39		
			2	1.75	0.45	0.35	0.55		
							1.94	728.56	1411.00
3	KSRB 4-1.4 : Providing and laying in position plain cement concrete of mix M5 with OPC cement @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @0.86cum and fine aggregates @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 [P.No.13 / I.No.4.4] PW, P & IWTD SR 2013-14.	Cum							
			2	4.40	0.45	0.075	0.30		
			2	1.75	0.45	0.075	0.12		
							0.22	3261.51	718.00

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4	KSRB 6-1.3 : Providing and constructing burnt brick masonry for basement and superstructure with approved quality of non-modular bricks of standard size of class designation 35 with cement mortar 1:6 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 [P.No.30 / I.No.6.3] PW, P & IWTD SR 2013-14.	Cum							
			1	3.95	0.23	2.50	2.271		
			1	2.00	0.23	2.20	1.012		
			2	2.00	0.23	$\frac{2.50+2.20}{2}$	2.162		
							5.445		
	Deduction D :		1	1.20	0.20	1.50	0.360		
							0.36		
						Net Qty :	5.085	3605.85	18337.00
5	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregates @ 0.43cum, with superplasticiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.7 (P. /I.4.51 PW, P & IWTD -SR 2013-14)	Rmtr							
			2	3.95	0.23	0.075	0.14		
			2	2.00	0.23	0.075	0.07		
							0.21	4177.37	858.00
6	KSRB 8.3-1: Providing and laying to required line and slope roofing with corrugated asbestos cement sheet 6 mm, thick fixed with galvanized iron J or L hooks, bolts and nuts 8 mm. dia C.I. plain and bitumen washers over the existing purlins, rafters and trusses including cost of specification No.KBS 8.5. [P.No.51 / I.No.8.3] PW, P & IWTD SR 2013-14.	Sqm							
			1	3.95	3.20		12.64	307.28	3884.00
7	Providing and Fixing of GI pipe 50mm dia (PWD SR 2013-14/P No SI No 235)	Mtr							
			1	6.40			6.40	230.00	1472.00
8	Supplying and fixing plain AC sheet door with 750mm X 25mm jungle wood reepers top, bottom and sides.	Unit						MR	
			1				1	1800.00	1800.00
9	Miscellaneous and Unforeseen Charges								1092.00
								Total :	30000.00
(RUPEES : THIRTY THOUSAND ONLY)									

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<u>:: Rate Analysis ::</u>						
Sl. No.	Description of Item	Unit	Qty	Rate	Amount	For 1 for unit
1	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per Specifications. Specification. No. KBS 2.1(b)/2.3.5. (Page no. 5/ I-2.4). PW, P & IWTD SR - 2013-14.	Cum				
	Materials :				NIL	
	Unskilled Labour :	day	9.00	193.38	1740.42	174.04
	Skilled Labour :				NIL	
	Sundries at 1% :				17.40	1.74
					1757.82	175.78
	Add Over Head Charges 10% :				174.04	17.40
	For 10 Cum :				1931.87	193.19
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS. [P.No.7 / I.No.2.15] PW, P & IWTD SR 2013-14.	Cum				
	A - Materials :					
	Granite/trap broken metal 100mm and down size	Cum	10.00	600.00	6000.00	600.00
	Sand	Cum	5.00	20.00	100.00	10.00
					6100.00	610.00
	B - Unskilled Labour :					
	Mazdoor Heavy :	Day	2.00	193.38	386.76	38.68
	Mazdoor Light/Bisti :	Day	3.00	193.38	580.14	58.01
					966.90	96.69
	Sundries at 1% at A :				61.00	6.10
	Water 1% on A :				61.00	6.10
					122.00	12.20
	Grand Total :				7188.90	718.89
	Add Over Head Charges 10% on B :				96.69	9.67
	For 10 Cum :				7285.59	728.56

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3	KSRB 4-1.4 : Providing and laying in position plain cement concrete of mix M5 with OPC cement @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @0.86cum and fine aggregates @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 [P.No.13 / I.No.4.4] PW, P & IWTD SR 2013-14.	Cum				
	A - Materials :					
	Broken stone aggregate 40mm size :	Cum	4.30	600.00	2580.00	258.00
	Broken stone aggregate 20mm size :	Cum	2.15	850.00	1827.50	182.75
	Broken stone aggregate 12mm to 10mm size :	Cum	2.15	700.00	1505.00	150.50
	Sand :	Cum	5.80	1300.00	7540.00	754.00
	Cement :	Q	16.00	660.00	10560.00	1056.00
				24012.50	2401.25	
	B - Skilled Labour :					
	Mason Class II (with tools) :	day	1.8	192.40	346.32	34.63
				346.32	34.63	
	C - Unskilled Labour :					
	Mazdoor Heavy :	Day	17.70	193.38	3422.83	342.28
	Mazdoor Light/Bisti :	Day	14.10	193.38	2726.66	272.67
				6149.48	614.95	
	D - Mixer (concrete) :	Day	0.71	1376.00	976.96	97.70
	Sundries at 1% at A :				240.13	24.01
	Water 1% on A :				240.13	24.01
				480.25	48.03	
	Grand Total :				31965.51	3196.55
	Add Over Head Charges 10% on B & C :				649.58	64.96
	For 10 Cum :				32615.09	3261.51
4	KSRB 6-1.3 : Providing and constructing burnt brick masonry for basement and superstructure with approved quality of non-modular bricks of standard size of class designation 35 with cement mortar 1:6 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 [P.No.30 / I.No.6.3] PW, P & IWTD SR 2013-14.	Cum				
	A - Materials :					
	Burnt bricks class 35 :	Nos.	48.50	500.00	24250.00	2425.00
	Sand :	Cum	2.52	1300.00	3276.00	327.60
	Cement :	Q	0.93	660.00	613.80	61.38
				28139.80	2813.98	
	B - Skilled Labour :					

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	Mason Class I (with tools) :	day	3.5	197.40	690.90	69.09
	Mason Class II (with tools) :	day	7	192.40	1346.80	134.68
					2037.70	203.77
	C - Unskilled Labour :					
	Mazdoor Heavy :	Day	7.00	193.38	1353.66	135.37
	Mazdoor Light/Bisti :	Day	16.00	193.38	3094.08	309.41
					4447.74	444.77
	OTHER CHARGES :					
	Scaffolding :	Cum	1.000	221.96	221.96	22.20
					221.96	22.20
	Sundries at 1% at A :					
	Water 1% on A :					
					281.40	28.14
					281.40	28.14
					562.80	56.28
	Grand Total :					
	Add Over Head Charges 10% on B & C :					
	For 10 Cum :					
					35410.00	3541.00
					648.54	64.85
					36058.54	3605.85
5	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregates @ 0.43cum, with superplasticiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.7 (P. /I.4.51 PW, P & IWTD -SR 2013-14)					
		Rmtr				
	A - Materials :					
	Broken stone aggregate 20mm size :	Cum	4.21	850.00	3578.50	357.85
	Broken stone aggregate 12mm to 10mm size :	Cum	2.19	700.00	1533.00	153.30
	Sand :	Cum	4.60	1300.00	5980.00	598.00
	Cement :	Q	30.00	660.00	19800.00	1980.00
	Super Palsticizer	Kgs	30.00	70.00	2100.00	210.00
					32991.50	3299.15
	B - Skilled Labour :					
	Mason Class II (with tools) :	day	1.8	192.40	346.32	34.63
					346.32	34.63
	C - Unskilled Labour :					
	Mazdoor Heavy :	Day	17.70	193.38	3422.83	342.28
	Mazdoor Light/Bisti :	Day	14.10	193.38	2726.66	272.67
					6149.48	614.95
	OTHER CHARGES :					
	Mixer (Concrete) :	Day	0.710	1376.00	976.96	97.70
					976.96	97.70
	Sundries at 1% at A :					
					329.92	32.99

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	Water 1% on A :				329.92	32.99
					659.83	65.98
	Grand Total :				41124.09	4112.41
	Add Over Head Charges 10% on B & C :				649.58	64.96
	For 10 Cum :				41773.67	4177.37
6	KSRB 8.3-1: Providing and laying to required line and slope roofing with corrugated asbestos cement sheet 6 mm, thick fixed with galvanized iron J or L hooks, bolts and nuts 8 mm. dia C.I. plain and bitumen washers over the existing purlins, rafters and trusses including cost of specification No.KBS 8.5. [P.No.51 / I.No.8.3] PW, P & IWTD SR 2013-14.	Sqm				
	A - Materials :					
	AC Sheet 6 mm thick corrugated	Sqm	231.00	165.00	38115.00	176.34
	hoo with nuts and bolts 8mm dia	Each	476.000	17.00	8092.00	37.44
	GI Washers :	Each	476.000	14.00	6664.00	30.83
	Bitumen Washers :	Each	476.000	1.00	476.00	2.20
					53347.00	246.82
	B - Skilled Labour :					
	Carpenter Class II	day	17.28	192.40	3324.67	15.38
					3324.67	15.38
	C - Unskilled Labour :					
	Mazdoor Heavy :	Day	17.28	193.38	3341.61	15.46
					3341.61	15.46
	Sundries at 1% at A :				533.47	2.47
	Handling loading and unloading on 2% on A :				1066.94	4.94
					1600.41	7.40
	Grand Total :				61613.69	285.06
	Add Over Head Charges 10% on B & C :				666.63	22.22
	For 30 Rmtr :				62280.32	307.28

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<u>:: ABSTRACT ::</u>									
Sl. No.	Item	Unit	Qty	Cost of materials		Cost of Skilled Labours		Cost of Unskilled Labours	
				Rate	Amount	Rate	Amount	Rate	Amount
1	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per Specifications. Specification. No. KBS 2.1(b)/2.3.5. (Page no. 5/ 1-2.4). PW, P & IWTD SR - 2013-14.	Cum	2.21	-	-	-	-	193.19	427.72
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS. [P.No.7 / I.No.2.15] PW, P & IWTD SR 2013 14.	Cum	1.94	610.00	1181.72	-	-	96.69	187.31
3	KSRB 4-1.4 : Providing and laying in position plain cement concrete of mix M5 with OPC cement @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @0.86cum and fine aggregates @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 [P.No.13 / I.No.4.4] PW, P & IWTD SR 2013-14.	Cum	0.22	2401.25	528.28	34.63	7.62	614.95	135.29
4	KSRB 6-1.3 : Providing and constructing burnt brick masonry for basement and superstructure with approved quality of non-modular bricks of standard size of class designation 35 with cement mortar 1:6 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 [P.No.30 / I.No.6.3] PW, P & IWTD SR 2013 14.	Cum	5.085	2813.98	14309.79	203.77	1036.22	444.77	2261.79

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6	KSRB 8.3-1: Providing and laying to required line and slope roofing with corrugated asbestos cement sheet 6 mm, thick fixed with galvanized iron J or L hooks, bolts and nuts 8 mm. dia C.I. plain and bitumen washers over the existing purlins, rafters and trusses including cost of specification No.KBS 8.5. [P.No.51 / I.No.8.3] PW, P & IWTD SR 2013-14.	Sqm	12.64	246.82	3119.77	15.38	194.43	15.46	195.42
7	Providing and Fixing of GI pipe 50mm dia (PWD SR 2013-14/P No SI No 235)	Rmtr	6.40	230.00	1472.00	-	-	-	-
8	Supplying and fixing plain AC sheet door with 750mm X 25mm jungle wood reapers top, bottom and sides.	Unit	1	1800.00	1800.00	-	-	-	-
Total :					23088.79		1245.38		3333.76

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<u>:: ABSTRACT ::</u>	
Cost of Materials :	23088.79
Cost of Skilled Labour :	1245.38
Cost of Unskilled Labour :	3333.76
Others :	2332.08
TOTAL :	30000.00