

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
- 2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.
- 3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

Name of Work :- Construction of Poultry Shelter in the Premises of
..... under NREGA Scheme.

<i>H/A : MGNREGA / 2013-14</i>				<i>Est. Cost : Rs.40,000/-</i>					
Sl. No.	Description of Item	Unit	Nos.	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5 m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. Specification, No.KBS 2.1(a)/2.3.1. (Page no. 5/ I 2.1. PWD-IWTD SR/2013-14)	Cum							
			1	12.30	0.45	0.60	3.32	128.79	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. (Page no. 6/ I-2.15. PWD-IWTD SR/2013-14)	Cum							
			1	12.30	0.45	0.45	2.49	1381.36	3441.00
3	KSRB 4-1.4: Providing and laying in position plain cement concrete of mix M5 with OPC cement @ 160 kgs, with 40 mm and down size graded granite metal coarse aggregates @0.86 cum and fine aggregate @ 0.58 cum 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.12, I.No.4.4) PW, P & IWTD SR 2013-14.	Cum							
			1	12.30	0.45	0.10	0.55	3261.51	1805.00
4	KSRB 5-13: Providing and constructing non-load bearing wall cement concrete cavities blocks(hollow blocks) of proportion 1:5:3 blocks of size 40x10x20 cms. (lxbxh) strength not less than 35 kg per sqm with cement mortar 1:4 confirming to I.S 2185 of 1967 having not less than 40 mm, shall thickness 50% total volume blocks having two large cavities with 20 mm, wall thickness including cost of materials, labour charges, scaffolding, curing complete as per specifications. [P.No.27 / I.No.5.26] PW, P & IWTD SR 2013-14.	Sqm							
			1	12.30		0.40	4.92	426.24	2097.00

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
- 2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.
- 3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

5	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							
	Brick Pillers :		3	0.30	0.30	2.30	0.62		
	Brick Pillers :		3	0.30	0.30	2.10	0.57		
	Wall :		2	2.40	0.23	$\frac{2.30+2.10}{2}$	2.43		
	Floor :		1	3.75	2.00	0.12	0.90		
							4.52	4793.23	21650.00
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	4.20		2.40	10.08	307.28	3097.00
7	Providing and fixing of weld mesh 75x50mm of 6 G to 10 G (PWD SR 2013-14/P.No.XXXI/SI.No.846	Sqm							
			1	3.75		2.10	7.88		
			1	3.75		2.30	8.63		
							16.50		
	<u>Deduction :</u>		1	0.30		2.30	0.69		
			1	0.30		2.10	0.63		
							1.32		
							15.18	213.00	3233.00
8	PVC DOOR SHUTTER(Nandi or Equivalent) Supply and fixing of door shuttersmade of rigid PVC extruded hollow section(Nandi or equivalent) of 20 mm x 200 mm with the wall thickness of 1.0 mm +/-0.1 mm equally divided into 4 nos with tongue and groove looking arrangements. The shutter fframe is made of 58x24 mm with the wall thickness of 1.5 mm+/- 0.15 mm section metricut and joined at 4 corners with 125 mm x 225 mm plastic brackets. The shutter shall be horizontally reinforced with 2 nos of 8 mm PVC rods. Teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware fixed on the door shutter. [P.No.63 / I.No.9.86] PW, P & IWTD SR 2013-14.	Sqm							
			1	0.75		1.80	1.35	1755.00	2369.00
9	Miscellaneous and Unforeseen Charges								1880.00
								Total :	40000.00

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
- 2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.
- 3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

:: Rate Analysis ::						
Sl. No.	Description of Item	Unit	Qty	Rate	Amount	For 1 for unit
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5 m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. Specification, No.KBS 2.1(a)/2.3.1. (Page no. 5/ I-2.1. PWD-IWTD SR/2013-14)	Cum				
	Materials :				NIL	
	Unskilled Labour :	day	6.00	193.38	1160.28	116.03
	Skilled Labour :				NIL	
	Sundries at 1% :				11.60	1.16
					1171.88	117.19
	Add Over Head Charges 10% :				116.03	11.60
	For 10 Cum :				1287.91	128.79
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. (Page no. 6/ I-2.15. PWD-IWTD SR/2013-14)	Cum				
	A - Materials :					
	Grante/trap broken metal 100mm and down size :	Cum	10.00	600.00	6000.00	600.00
	Sand :	Cum	5.00	1300.00	6500.00	650.00
					12500.00	1250.00
	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 :				125.00	12.50
	Water 1% on A :				125.00	12.50
					250.00	25.00
	Grand Total :				13716.90	1371.69
	Add Over Head Charges 10% on B :				96.69	9.67
	For 10 Cum :				13813.59	1381.36

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
- 2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.
- 3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

3	KSRB 4-1.4: Providing and laying in position plain cement concrete of mix M5 with OPC cement @ 160 kgs, with 40 mm and down size graded granite metal coarse aggregates @0.86 cum and fine aggregate @ 0.58 cum 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.12, 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	1.80	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 5-13: Providing and constructing non-load bearing wall cement concrete cavities blocks(hollow blocks) of proportion 1:5:3 blocks of size 40x10x20 cms. (lxbxh) strength not less than 35 kg per sqm with cement mortar 1:4 confirming to I.S 2185 of 1967 having not less than 40 mm, shall thickness 50% total volume blocks having two large cavities with 20 mm, wall thickness including cost of materials, labour charges, scaffolding, curing complete as per specifications. [P.No.27 / I.No.5.26] PW, P & IWTD SR 2013-14.	Sqm				
	A - Materials :					
	Precast Hollow blocks (40x10x20 cms) :	Nos.	1.125	2500.00	2812.50	281.25
	Sand :	Cum	0.190	1300.00	247.00	24.70
	Cement :	Q	0.070	660.00	46.20	4.62
					3105.70	310.57
	B - Skilled Labour :					
	Mason Class I (with tools) :	day	2	197.40	394.80	39.48
					394.80	39.48
	C - Unskilled Labour :					

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
- 2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.
- 3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

	Mazdoor Heavy :	Day	1.50	193.38	290.07	29.01
	Mazdoor Light/Bisti :	Day	1.50	193.38	290.07	29.01
	OTHER CHARGES :				580.14	58.01
	Scaffolding :	Cum	0.100	221.96	22.20	2.22
					22.20	2.22
	Sundries at 1% at A :				31.06	3.11
	Water 1% on A :				31.06	3.11
					62.11	6.21
	Grand Total :				4164.95	416.50
	Add Over Head Charges 10% on B & C :				97.49	9.75
	For 10 Cum :				4262.44	426.24
5	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	Sqm				
	A - Materials :					
	Burnt Bricks class 35 (non modular) : 485 Nos. for 1 cum :	Nos.	48.50	500.00	24250.00	2425.00
	Sand :	Cum	10.70	1300.00	13910.00	1391.00
	Cement :	Q	2.50	660.00	1650.00	165.00
					39810.00	3981.00
	B - Skilled Labour :					
	Mason Class I (with tools) :	day	3.50	197.40	690.90	69.09
	Mason Class II (with tools) :	day	7.00	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	1.00	192.07	192.07	19.21
					192.07	19.21
	Sundries at 1% at A :				398.10	39.81
	Water 1% on A :				398.10	39.81
					796.20	79.62
	Grand Total :				47283.71	4728.37
	Add Over Head Charges 10% on B & C :				648.54	64.85
	For 10 Cum :				47932.25	4793.23
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	176.31

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

2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.

3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

	hooT 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

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
- 2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.
- 3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

:: ABSTRACT ::									
Sl. No.	Item	Unit	Qty	Cost of materials		Cost of Skilled		Cost of Unskilled	
				Rate	Amount	Rate	Amount	Rate	Amount
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5 m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. Specification, No.KBS 2.1(a)/2.3.1. (Page no. 5/ I-2.1. PWD-IWTD SR/2013-14)	Cum	3.32	-	-	-	-	128.79	427.59
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. (Page no. 6/ I-2.15. PWD-IWTD SR/2013-14)	Cum	2.49	1250.00	3112.50	-	-	96.69	240.76
3	KSRB 4-1.4: Providing and laying in position plain cement concrete of mix M5 with OPC cement @ 160 kgs, with 40 mm and down size graded granite metal coarse aggregates @0.86 cum and fine aggregate @ 0.58 cum 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.12, I.No.4.4) PW, P & IWTD SR 2013-14.	Cum	0.55	2401.25	1320.69	34.63	19.05	614.95	338.22

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
- 2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.
- 3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

4	KSRB 5-13: Providing and constructing non-load bearing wall cement concrete cavities blocks(hollow blocks) of proportion 1:5:3 blocks of size 40x10x20 cms. (lxbxh) strength not less than 35 kg per sqm with cement mortar 1:4 confirming to I.S 2185 of 1967 having not less than 40 mm, shall thickness 50% total volume blocks having two large cavities with 20 mm, wall thickness including cost of materials, labour charges, scaffolding, curing complete as per specifications. [P.No.27 / I.No.5.26] PW, P & IWTD SR 2013-14.	Sqm	4.920	310.57	1528.00	39.48	194.24	58.01	285.41
5	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	Cum	4.52	3981.00	17994.12	203.77	921.04	444.77	2010.36
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	Sqm	10.08	246.82	2487.95	15.38	155.03	15.46	155.84
7	Providing and fixing of weld mesh 75x50mm of 6 G to 10 G (PWD SR 2013-14/P.No.XXXI/SI.No.846	Sqm	15.18	213.00	3233.34	-	-	-	-
8	PVC DOOR SHUTTER(Nandi or Equivalent) Supply and fixing of door shuttersmade of rigid PVC extruded hollow section(Nandi or equivalent) of 20 mm x 200 mm with the wall	Sqm	1.35	1755.00	2369.25	-	-	-	-
	Total :				32045.85		1289.36		3458.17

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
- 2) These model estimates shall be locally approved (technically) with same items (exact dimensions can vary) and go ahead with execution as per MGNREGA guidelines.
- 3) The Chief Executive Officer ZP or district level line department can make local variations under due signature (as per technical procedure)

<u>:: ABSTRACT ::</u>	
Cost of Materials :	32045.85
Cost of Skilled Labour :	1289.36
Cost of Unskilled Labour :	3458.17
Others :	3206.62
TOTAL :	40000.00