

MMGSY-

KHAIRA TO KHAIRA SANTHAL

Measurement Book

Schedule XLV-Form No. 134

R.W.D. KATHAR DIVISION

KATHAR SUB-DIVISION

(No-1991)

M/S MOTILAL AGARWAL

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work:- Construction and Maintenance					
of Road from Khairg to Khairg					
Santhali Tola under MMGSY (C)					
Agency:- M/s Motilal Agrawal					
At:- Ram Krishna Mission Road					
Dist:- Katihar, Bihar					
Agreement No:- 48/386/2020-21					
Date of Commencement:- 02.09.2020					
Date of Completion:- 01.06.2021					
Abstract of Est					
(i) Providing and fixing bench					
mark pillars					
Qty:- 01 No.					

@ 4225.43/-	₹	4225.43
(ii) Providing and fixing Referen		
Pillars		
B/F/P-1.4 TMB Qty:- 03 Nos		5771.40
@ 1923.52/-	₹	19442.40
2) Clearing and grubbing of Road		
Land		
B/F/P-1.4 TMB Qty:- 0.59344		0
@ 51133.76/-	₹	30322.40
3) Box cutting in Excavation for		
roadway in soil		
B/F/P-12 TMB Qty:- 17.62 MS		
Limit Qty:- 116.90 MS		
@ 75.50/-	₹	8826.40
C/O:- ₹ 49144.40		
Continuation		

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F = 2		4914420
4) Construction of embankment					
with material obtained from					
Roadway cutting					
B/F/P-16 of TMB Qty =					40.57 M ³
Limit Qty =					40.14 M ³
@ 2644/- =					₹ 1856.00
5) Construction of embankment					
with material obtained from					
Borrow pits lead upto 1000 M.					
B/F/P-17 of TMB Qty =					1510.50 M ³
@ 142.85/- =					₹ 21577520

with material obtained from					
Borrow pits lead up to 1000 M.					
B/F/P-15 of TMB Qty =					874.61 M ³
@ 189.92/- =					₹ 166186200
7) Construction of Subgrade and earth					
Shoulders					
B/F/P-18 of TMB Qty =					525.82 M ³
@ 191.60/- =					₹ 100747000
8) Construction of Granular Sub-					
base by providing well graded					
Material					
B/F/P-13 of TMB Qty =					145.98 M ³
P-15 of TMB Qty =					260.27 M ³
					406.96 M ³
					517.94 M ³
					406.19 M ³
@ 191.275/- =					₹ 118237200
C/D =					₹ 165186500

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9) Providing, laying spreading and compacting stone Agg. to W.B.M. Grading.			B/F		1651865200
B/F/P-16 of TMB Qty: 279.38 M ³					
@ 3265.43/- = ₹					912296200
10) Construction of un-reinforced plain cement concrete Pavement of M30 grade					
B/F/P-17 of TMB Qty: 210.45 M ³					
@ 6514.20/- = ₹					1367982200
11) Hard shoulder Laying brick					
along road edge					

B/F/P-18 of TMB Qty: 350.10 M ³					
@ 548.71/- = ₹					192049200
12) Providing & Fixing of Typical MMECY Informative sign with logo					
B/F/P-2 of TMB Qty: 04 Nos.					
@ 8866/- = ₹					35464200
13) Earthwork in excavation for foundation of structure					
B/F/P-2 of TMB Qty: 54.18 M ³					
3 of TMB Qty: 6.98 M ³					
5 of TMB Qty: 44.96 M ³					
7 of TMB Qty: 75.50 M ³					
Total Qty: 181.62 M ³					
Unit Qty: 175.72 M ³					
@ 269.32/- = ₹					47056200
4286712200					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B/F = ₹ 4206712=00
14/24) Providing concrete for plain concrete in open foundation					
PCC - M15 Grade					
B/F/P-2 of TMB Qty =			5.42	M ³	
P-3 of TMB Qty =			4.20	M ³	
S of TMB Qty =			1.88	M ³	
P-8 of TMB Qty =			6.04	M ³	
Total Qty =			17.54	M ³	
Limit Qty =			17.50	M ³	
@ 5185.31/-					₹ 90743=00

15/25) Providing concrete for Plain foundation - M20 Grade

B/F/P-6 of TMB Qty =	2.25	M ³		
8 of TMB Qty =	31.21	M ³		
Total Qty =	33.46	M ³		
Limit Qty =	33.40	M ³		
@ 5725.23/-				₹ 191223=00

16/26) Supplying fitting and placing HYSD Bar reinforcement in foundation

B/F/P-5 of TMB Qty =	0.083	MT		
@ 51173.10/-				₹ 4247=00

17/27) Providing plain Cement concrete in Sub structure M20 Grade

B/F/P-2 of TMB Qty =	35.51	M ³		
P-4 of TMB Qty =	23.62	M ³		
P-5 of TMB Qty =	5.90	M ³		
P-10 of TMB Qty =	Contribution	M ³		
Total =	81.58	M ³		

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F =	₹	4492925.10
17/25) Total Qty =	81.38	M ³			
	@	5921.88/-	₹		481923.10
18/28) Providing Weep holes in Abutment					
Return walls etc.					
B/F/P-10 of TMB Qty =	36.40	Nos.			
	@	110.11/-	₹		3964.10
19/29) Reinforced cement concrete					
in Sub structure M25 Grade					
B/F/P-7 of TMB Qty =	12.53	M ³			
	@	6524.12/-	₹		81747.10
20/30) Supplying fitting and placing					
Reinforcement					
B/F/P-7 of TMB Qty =	1.23	MT			
Limit Qty =	1.23	MT			
	@	51314.69/-	₹		63116.10
21/31) Backfilling behind Abutment					
return wall etc.					
B/F/P-11 of TMB Qty =	46.18	M ³			
Limit Qty =	32.98	M ³			
	@	738.39/-	₹		
22/32) Providing and laying filter					
Media with granular crushed					
Aggregate					
B/F/P-10 of TMB Qty =	22.73	M ³			
	@	2932.40/-	₹		66653.10
		₹/0 =	₹		5214680.10

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F = ₹		5214680.20
23/33) Providing and laying RCC in Superstructure M30 grade					
B/F/P-10 of TMB Qty = 5.32 MT					
Limit Qty = 4.35 MT					
@ 7082.33/- = ₹					30,810.20
24/34) Supplying, fitting and placing HYSD Bar reinforcement in Super structure					
B/F/P-9 of TMB Qty = 0.380 MT					
Limit Qty = 0.370 MT					
@ 52358.67/- = ₹					19373.20

25/27) Drainage Spouts					
B/F/P-11 of TMB Qty = 4.00 NOS					1661.20
@ 415.33/- = ₹					
26/38) P/L RCC Pipe NP-3 for Culverts - 1000mm ϕ					
B/F/P-3 of TMB Qty = 15.00 M					
@ 3796.63/- = ₹					56949.20
27)					
Total Amount = ₹					5323473.20
Add for GST @ 12% = ₹					638817.20
Add for L.C. @ 1% = ₹					53235.20
Amount including Taxes = ₹					6015525.40
Less for below @ 5.25% = ₹					315815.20
% = ₹					5699710.20

Continuation

Material Statement		
Coarse Sand		
	$162.15 \text{ m}^3 @ 175.80/- = ₹$	28506 = 00
Agg 40 mm		
	$49.92 \text{ m}^3 @ 494.15/- = ₹$	24569 = 00
Agg 20 mm		
	$54.64 \text{ m}^3 @ 604.91/- = ₹$	33052 = 00
Agg 10 mm		
	$28.14 \text{ m}^3 @ 668.80/- = ₹$	18820 = 00
Graded Agg		
	$189.60 \text{ m}^3 @ 581.99/- = ₹$	109996 = 00
53 mm - 9.5 mm		
	$203.10 \text{ m}^3 @ 620.67/- = ₹$	126048 = 00
9.5 mm - 2.36 mm		
	$81.24 \text{ m}^3 @ 514.58/- = ₹$	41804 = 00
Below 2.36 mm		
	$121.86 \text{ m}^3 @ 236.71/- = ₹$	28845 = 00
53 mm - 2.4 mm		
	$338.05 \text{ m}^3 @ 511.44/- = ₹$	172892 = 00
Stone Screening		
	$67.05 \text{ m}^3 @ 397.73/- = ₹$	26668 = 00
Bricks		
	$25600 \text{ nos} @ 6.26/- = ₹$	128330 = 00
Local Sand		
	$1.36 \text{ m}^3 @ 141.85/- = ₹$	193 = 00

B/F = 739723 = W

Continuation