

Abhishek Kumar
Agno-16 SBID/2020-21

Mathan Se Mathan Pachhianani Tola

Schedule XLY-Form No. 134

M.M.G.S.Y (S.C)

Khagana **DIVISION**

Khagana **SUB-DIVISION**

1418

Measurement Book

प्रमाणित किया जाता है कि इस मापीयुक्त
में 01 से 100 प्रत्येक युक्ति है। जिसे लहायक
अभिमत श्री विजय कुमार आभीण कार्य
विभाग कार्य भवन प्रमोदक लगाइया की
मुख्यमंत्री आम सभ्यके औपनास्तगति
Mathur & Mathur Pacham'pam' tolg
राव के कार्य का मापी बुझने करने
है निमित्त किया जाता है।

20.2.21
Executive Engineer
R.W.D. Works Division
Khagaria
20/2/21

Sch. XLV - Form No. 134

Khagaria DIVISION
Khagaria SUB-DIVISION

Name of Work—
 Situation of Work—
 Agency by which work is executed—
 Date of Measurement—
 No. and date of agreement—
 (These four lines should be repeated at the commencement
 of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- Construction of Road from Markhar to Markhar Pachhigani Gola					
Scheme:- M.P.S.Y (S.O.)					
Agency:- Abhishek Kumar					
At:- Mutafapur, Pauraha					
P.S:- Bihla, Dist:- Patna.					
Agreement no:- 16.382/2020-21					
Date of start:- 13.02.2021					
Date of completion:- 12.11.2021					
(1) Providing and fixing of working benchmark pillars as per technical specification = 1 nos.					
(2) Providing and fixing of typical M.P.S.Y. information sign board with logo etc. = 4 nos.					
(3) Clearing and grubbing road land (By manual means) as per specification					
	2x	7x	30.0x	3.50 = 1470.0m ²	
	2x	1x	9.00x	2.50 = 45.00m ²	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2x	4x	30.0x	3.00	720.00 m ²
	2x	1x	2.00x	3.00	12.00 m ²
	2x	5x	30.0x	3.00	900.00 m ²
	2x	1x	15.0x	3.00	90.00 m ²
					Total = 3237.00 m ²
					= 0.384 Hec.
(4) Construction of embankment					
cut with approved material					
obtained from borrow pit					
Change Area	Mean Area	Dist.	Qty		
0.00	1.876	-	-	-	-
50.0	2.765	2.381	50.0	116.05 m ³	
100.0	3.652	3.769	50	155.45	
150.0	3.536	3.519	50	175.95	
200.0	3.688	3.584	50	156.70	
250.0	1.765	2.824	50	98.26	
300.0	1.899	-	-	-	
350.0	2.863	2.379	30	73.75	
400.0	2.965	2.914	50	145.70	
450.0	2.617	2.810	41	110.21	
500.0	1.855	-	-	-	
550.0	2.585	2.680	9	19.98	
600.0	2.788	2.697	50	134.35	
650.0	2.865	2.827	50	141.35	
700.0	1.858	2.849	50	117.45	
750.0	1.698	1.765	6	10.59	
				Total = 1404.79 m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>(5) Construction of granules</u>					
<u>sub-base by providing</u>					
<u>do. on for general work</u>					
	5.00m	(8.00+5.00)/2	0.100m		3.70 m ³
	5.00m	(3.25+3.75)/2	0.100m		2.41 m ³
	6.00m	30.00m	3.25m	0.100m	67.50 m ³
	1.00m	2.00m	3.75m	0.100m	10.13 m ³
	5.00m	(3.75+2.00)/2	0.100m		0.58 m ³
	7.00m	(11.50+4.90)/2	0.100m		5.74 m ³
	5.00m	(4.90+3.75)/2	0.100m		2.16 m ³
	3.00m	30.00m	3.75m	0.100m	33.75 m ³
	1.00m	12.00m	3.75m	0.100m	4.50 m ³
	5.00m	(3.75+5.00)/2	0.100m		1.40 m ³
	5.00m	(5.60+8.50)/2	0.100m		3.53 m ³
	2.00m	30.00m	3.75m	0.100m	22.50 m ³
	1.00m	22.00m	3.75m	0.100m	8.25 m ³
	5.00m	(3.75+4.15)/2	0.100m		1.95 m ³
	5.00m	(4.05+5.10)/2	0.100m		2.29 m ³
	5.00m	(5.10+8.75)/2	0.100m		2.21 m ³
	1.00m	30.00m	3.75m	0.100m	11.25 m ³
	1.00m	5.00m	3.75m	0.100m	1.88 m ³
	3.00m	(5.50+3.75)/2	0.100m		1.85 m ³
	1.00m	26.00m	3.75m	0.100m	9.75 m ³
	Total:				197.38 m ³
<u>(6) Providing, laying, spreading</u>					
<u>and Compacting stone agg.</u>					
Continuation					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
repeated as per design					
	5.00	$(8.90 + 5.90)/2$	0.075		2.78 m^3
	5.00	$(5.90 + 3.75)/2$	0.075		1.91 m^3
	6	30.0	3.75	0.075	50.63 m^3
	1	22.0	3.75	0.075	7.59 m^3
	2.00	$(3.75 + 2.00)/2$	0.075		0.63 m^3
	7.00	$(11.50 + 4.90)/2$	0.075		4.31 m^3
	5.00	$(4.90 + 3.75)/2$	0.075		1.62 m^3
	3	30.0	3.75	0.075	25.31 m^3
	1	12.0	3.75	0.075	3.38 m^3
	3.00	$(8.75 + 5.60)/2$	0.075		1.05 m^3
	5.00	$(5.60 + 3.50)/2$	0.075		2.64 m^3
	2	30.0	3.75	0.075	16.88 m^3
	1	22.0	3.75	0.075	6.19 m^3
	5.00	$(3.75 + 4.05)/2$	0.075		1.46 m^3
	5.00	$(4.05 + 3.10)/2$	0.075		1.72 m^3
	5.00	$(5.10 + 3.75)/2$	0.075		1.66 m^3
	1	30.0	3.75	0.075	8.44 m^3
	1	5.00	3.75	0.075	1.41 m^3
	4.00	$(5.50 + 3.75)/2$	0.075		1.39 m^3
	1	26.0	3.75	0.075	7.31 m^3
	Total = 148.01 m^3				
(7) Construction of non-reinforced					
plain Cement concrete thick					
repeated as per design, Over 200					
	5.00	$(8.90 + 5.90)/2$	0.160		5.92 m^3

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	5.00x	(5.90+3.75)/2	0.160		3.86 m ³
	6x	30.0x	3.75x	0.160	108.00 m ³
	1x	27.00x	3.75x	0.160	16.20 m ³
	2.00x	(3.75+2.00)/2	0.160		0.92 m ³
	7.00x	(11.50+4.90)/2	0.160		9.18 m ³
	5.00x	(6.90+3.75)/2	0.160		3.46 m ³
	3x	30.0x	3.75x	0.160	54.00 m ³
	1x	18.00x	3.75x	0.160	7.20 m ³
	3.00x	(3.75+5.60)/2	0.160		2.24 m ³
	5.00x	(5.60+8.50)/2	0.160		5.66 m ³
	2x	30.0x	3.75x	0.160	36.00 m ³
	1x	22.0x	3.75x	0.160	13.20 m ³
	5.00x	(3.75+4.05)/2	0.160		3.12 m ³
	5.00x	(6.05+5.10)/2	0.160		3.66 m ³
	5.00x	(5.10+3.75)/2	0.160		3.54 m ³
	1x	30.0x	3.75x	0.160	18.00 m ³
	1x	5.00x	3.75x	0.160	3.00 m ³
	4.00x	(5.50+3.75)/2	0.160		2.96 m ³
	1x	26.00x	3.75x	0.160	15.60 m ³
					Total = 315.70 m ³
(8) Laying brick surface layer on prepared sub-grade with brick on end ending up to					
	1x	7x	30.0x	0.375	78.75 m ²
	1x	1x	9.00x	0.375	3.38 m ²
	1x	6x	30.0x	0.375	67.50 m ²

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1x	1x	27.50x	0.375x	10.31 m ²
	2x	4x	30.00x	0.375x	90.00 m ²
	2x	1x	2.00x	0.375x	1.50 m ²
	1x	4x	30.0x	0.375x	45.00 m ²
	1x	1x	18.0x	0.375x	4.50 m ²
	1x	3x	30.0x	0.375x	33.75 m ²
	1x	1x	28.0x	0.375x	10.50 m ²
	2x	1x	30.0x	0.375x	22.50 m ²
					Total: 367.69 m ²

(9) Construction of sub-grade
and earthen shoulder
as per technical specification

2x4x	30.0x	1.0 (av)	x 0.175 =	42.00 m ³
1x3x	30.0x	0.75 (av)	x 0.175 =	11.81 m ³
1x1x	7.00x	0.75 (av)	x 0.175 =	0.92 m ³
1x2x	30.0x	0.75 (av)	x 0.175 =	7.88 m ³
1x1x	25.50x	0.75 (av)	x 0.175 =	3.35 m ³
2x4x	30.0x	0.65 (av)	x 0.160 =	24.96 m ³
1x3x	30.0x	0.30 (av)	x 0.160 =	4.32 m ³
1x1x	7.00x	0.30 (av)	x 0.160 =	0.34 m ³
1x2x	30.0x	0.30 (av)	x 0.160 =	2.88 m ³
1x1x	25.50x	0.30 (av)	x 0.160 =	1.22 m ³
2x4x	30.0x	1.0 (av)	x 0.175 =	42.00 m ³
2x1x	2.00x	1.0 (av)	x 0.175 =	0.70 m ³
2x4x	30.0x	0.65 (av)	x 0.160 =	24.96 m ³
2x1x	2.00x	0.65 (av)	x 0.160 =	0.42 m ³
1x5x	30.0x	1.0 (av)	x 0.175 =	26.25 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1x1x	7.50x	1.00 (av)	0.175	1.31 m ³
	1x5x	30.0x	1.00 (av)	0.175	26.25 m ³
	1x2x	10.50x	1.00 (av)	0.175	1.84 m ³
	1x5x	30.0x	0.65 (av)	0.160	15.60 m ³
	1x1x	7.50x	0.65 (av)	0.160	0.78 m ³
	1x5x	30.00x	0.65 (av)	0.160	15.60 m ³
	1x1x	10.50x	0.65 (av)	0.160	1.09 m ³
	Total:				256.48 m ³

(10) Providing and laying of
a RCC slab 300 mm thick

2x3x2.50m = 15.0 m³

[Signature]
20/4/2021
A.C.

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20/4/2021
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Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1) Providing and fixing of working bench marks as per					
1. N.M. vide TMB.P-01					
@ 3869.22/M. ₹					3869.00
(2) Clearing and grubbing road land (by manual means)-do					
0.324 Hec. vide TMB.P-02					
@ 52970.33/Hec. ₹					17162.00
(3) Construction of embankment with material obtained do					
1406.79 m ³ vide TMB.P-08					
@ 190.36/m ³ ₹					267416.00
(4) Construction of sub-grade and earthen shoulders do					
236.48 m ³ vide TMB.P-07					
@ 192.04/m ³ ₹					49254.00
(5) Construction of granular sub-base by providing do					
197.83 m ³ vide TMB.P-03					
@ 2264.61/m ³ ₹					446875.00
(6) Providing laying and compacting NBM Gr. III as per					
143.01 m ³ vide TMB.P-04					
@ 3011.62/m ³ ₹					445750.00
(7) Construction of un-reinforced					

Continuation

Continuation

Continuation