

N/1408X1 - Construction of N/145SY Road from Dhanan' P/145SY
Schedule XIV-Form No. 134 Road to Dhanan'
Amet 701a in suband block. N/145SY/6ENJ

DIVISION

SUB-DIVISION

MEASUREMENT BOOK

Agency: Er. Sagar Shankar, Sitamochi.

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.				PMGSY Amal
	from Dhanari				
	Road to Dhanam				
	Total in Sarsan block.				under MMGSY Scheme (road)
Agency	Er. Sagar Shankar, Sitamarhi				
Agreement No/Date: -	MMGSY/38/SBD/				2020-21 Date 03/09/20
Date of Start: -	03/09/2020.				
Date of completion	02/03/2021.				

Actual Date of completion 26.02.2021.

Date of Measurement:— 26.09.2020

1) Providing and fixing of working bench mark pillars.

1 0.400 0.400km

2) Reference pillar—

1 0.400 0.400km

3) clearing and grubbing road land including uprooting wild

vegetation grass, bushes—

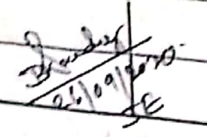
2 400 3.50 2800 m²

$$Ha = \frac{2800}{10000} = 0.28 Ha$$

Continuation

dy

0.284a

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ Excavation for road ways in soil using manual means for carrying & cut earth					
	2x13	30.00	0.10	0.375	29.25.
	2x10	10.00	0.10	0.375	0.75.
Total qty					30.00 m ³
⑤ Excavation (construction) & embankment with material obtained from borrow pits.					
	1	22.00	3.50	0.45	34.65
	1	3.00	3.40	0.35	2.55
Total qty (Lead upto 100m)					37.20 m ³
⑥ Construction of subgrade and earthen shoulder with material obtained from borrow pits.					
⑦ Earthen shoulder					
Bolt ridge GSB.	2x13	30.00	0.625	0.375	0.10
	2x1	10.00	0.625	0.375	0.10
					1.25.
⑧ Bolt ridge of WBM.	2x13	30.00	0.625	0.075	36.56
	2x1	10.00	0.625	0.075	0.94
⑨ Bolt ridge of CC pavement.	2x13	30.00	0.625	0.16	78.00
	2x1	10.00	0.625	0.16	2.00.
Total qty					167.50 m ³
 25/09/2020					

Continuation

Sch. XLV-Form No. 134

Date of Measurement: 26.01.2021.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Construction of G.S. B by providing well graded material spreading in uniform layers.					
	4	15.00	0.375	0.10	2.25
	8	15.00	0.375	0.10	4.50
	8	15.00	0.375	0.10	4.50
	8	15.00	0.375	0.10	4.50
	12	15.00	0.375	0.10	6.75
	2	10.00	0.375	0.10	0.75
	6	30.00	0.375	0.10	6.75
levelling of brick soling.	2	3.50	1.10	0.10	0.77
	2	1.50	1.10	0.10	0.33
	2	1.80	1.10	0.10	0.40

	2	4.80	1.20	0.10	1.15
	2	5.40	1.10	0.10	1.19
	2	6.60	1.05	0.10	1.39
	2	5.70	1.20	0.10	1.37
Total qty					36.60 m ³

Date of Measurement: 05.02.2021.

(8). Providing laying, spreading and compacting stone aggregate. WBM GR III.				
1x15.00x	$\frac{4.80+4.50+3.75}{3}$	x	0.075	4.89
1x15.00x	$\frac{3.90+3.80}{2}$	x	0.075	4.33
1x15.00x	$\frac{3.75+3.75}{2}$	x	0.075	4.33
1x15.00x	$\frac{4.20+3.80}{2}$	x	0.075	4.50
1x 15.00	x 3.75	x	0.075	4.22

Total qty 22.27 m³.

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
1X15.00X	3.90	3.75	X	0.075 4.30
1X15.00X	3.90	3.85	X	0.075 4.36
1X15.00X	4.30	3.75	X	0.075 4.53
1X12.40X	5.50	4.60	3.75	X 0.075 4.29
5 X	15.00	X	3.75	0.075 21.09
3X15.00X	3.85	3.75	X	0.075 12.83
1X	9.60	X	4.10	X 0.075 2.95
1X11.00X	5.20	3.75	X	0.075 3.69
1	24.00	X	3.50	0.075 6.30
2X	15.00	X	3.40	3.20 X 0.075 7.43
3X	15.00	X	3.50	X 0.075 11.81
1X	8.00	X	3.30	3.20 X 0.075 1.95
1X	7.00	3.50	X	0.075 1.84

1X	6.00	X	6.00	3.50	X 0.075 2.14
1X	7.00	X	5.63	X	0.075 2.96
Total area					114.74 m ³

Handed
05/02/2021

Date of Measurement:- 26.02.2021.

1) Construction of unreinforced
plain cement concrete
parameter.

1 X 15.00 X	(<u>4.80 + 4.50</u> 3.75)	0.16	10.44.
1 X 15.00 X	(<u>3.90 + 3.80</u>) X	0.16	9.24
1 X 15.00 X	(3.95 + 3.75) X	0.16	9.24
1 X 15.00 X	(<u>4.20 + 3.80</u>) X	0.16	9.60
1 X 15.00 X	3.75 X	0.16	9.00
1 X 15.00 X	(3.90 + 3.75) X	0.16	9.18.

Total area 56.70 m³

Continuation

90

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 15.00 X (3.70 + 3.85) X				0.16	9.30
1 X 15.00 X (4.30 + 3.75) X				0.16	9.66
5 X 15.00 X 3.75				0.16	45.00
1 X 9.60 X 4.16				0.16	6.30
3 X 15.00 X (3.85 + 3.75) X				0.16	27.36
1 X 12.40 X (5.50 + 4.60 + 3.75) X				0.16	9.16
1 X 11.00 X (5.20 + 3.75) X				0.16	7.88
1 24.00 X 3.75 X				0.16	13.44
2 X 15.00 X (3.40 + 3.20) X				0.16	15.84
3 X 15.00 X 3.50				0.16	25.20
1 X 8.00 X (3.30 + 3.20) X				0.16	4.16
1 X 6.00 X (6.00 + 3.50) X				0.16	4.56
1 X 2.00 X 2.50				0.16	3.72
1 X 7.00 X 5.63 X				0.16	6.31
Total aly					244.79 m ³
(10) R.C.C MIS concrete grade -					
(9) K.M. stone -					
aly 01					01 No
(b) 200m stone -					
aly 02					02 Nos
ii) Providing and fixing of Retro. reflective sign board -					
(6) 600mm circular:					
aly 06					06 Nos

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(b) 900 mm equilateral (left or right curve)					
Qty	04.				04 Nos
(c) 600 mm X 450 mm rectangular					
Qty	02				02 Nos
(12) Providing and laying of hot applied bitumen plastic compound 2.5 mm thick both edges of 140 concrete pavement					
	2	1.00	0.10		80 m ²
(13) Providing and laying of Reinforced cement concrete Pipe duct 300mm dia-					
Qty	2 X 3	2.50			15.00 m ³
(14) Providing and erecting direction and place identification board-					
Qty	01				01 No
(15) Providing and fixing logo of MMRGS project					
(a) Information sign board					2.00
(b) Citizen sign board					2.00
(c) Maintenance sign board-					1.00.
Total - Qty					5.00 No

Continuation

26/02/2021
 JE.

Abstract of cost 1 -

7

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) Providing and fixing of working bench mark pillar					
alg vide TMB/P-01.					
alg 0.40km @ 4244.19/km =					1698.00
2) Reference pillars.					
alg vide TMB/P-01					
alg 0.40km @ 1965.24/km =					786.00
3) Clearing and grubbing road land.					
alg vide TMB/P-01					
alg 0.2844 @ 49446.70/Ha					13,859.00
4) Excavation for road ways (Box cutting)					
alg vide TMB/P					
alg 30.00 cum @ 74.10/cum =					2223.00
5) Construction of embankment with material obtained from borrow pits lead upto 1000mtr.					
alg vide TMB/P-					
alg 37.20 cum @ 175.11/cum					6514.00
6) Construction of subgrade and earthen shoulder -					
alg vide TMB-P-					
alg 167.50 cum @ 176.75/cum					29,606.00
Total Amount (Rs)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7) Construction of GSB G.I.					
atq vide TMB/P-					
atq 36.60 cum @		2732.48/m ²			1,00,009.00
(8) Providing laying spreading compacting stone aggregate					
atq vide TMB-P-					
atq 114.74 m ³ @		3324.58/m ³			3,81,462.00
9) Providing and laying cement concrete pavement					
atq vide TMB-P-					
atq 244.79 m ³ @		7680.31/m ³			18,80,063.00
(10) R.C.C. M15 grade concrete					
(a) km stones					
atq vide TMB P-					
atq 01 Nos @		2456.96 each			2457.00
(b) 200 mt stone-					
atq vide TMB-P-					
atq 02 Nos @		635.36 each			1271.00
(11) Providing and fixing Retro reflective sign cautioning band -					
(a) 600 mm circular-					
atq 6.00 Nos @		4869.72 each			29218.00
(b) 900 mm equilateral triangle-					
atq 4.00 Nos @		5516.33 each			22065.00
(c) 600 mm x 450 mm rectangular					
atq 02 Nos @		4744.26 each			9489.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12) Providing and laying hot applied thermoplastic compound-					
altj vide TMB-P-					
altj 80.00m ² @ 820.83/m ²					65,666.00/-
13) Providing and laying R.C.C. Hume pipe 300mm dia-					
altj vide TMB-P-					
altj 15.00mt @ 873.10/m					⇒ 13097.00
14) Providing and erecting- direction board.					
altj vide TMB-P-					
altj 01 No @ 3242.31 each					3242.00
15) Providing and fixing MMGSY information board, Citizen board and maintenance board					
altj 05 Nos @ 11062.14 each					55311.00
Subtotal Amount (road work) Rs-					26,180.36.00
Add @ 1% Labour chrg-				+ Rs	2618.00
Add @ 12% GST				+ Rs	314164.00
G. Total- Amount (Rs)					29,58,380.00
Less @ 5.61% below as per Agreement-					1,65,965.00
Net payable Amount (Rs)					27,92,415.00/-
26/02/21 26/02/21 shu 26/02/21 AE 26/02/21 26/02/21					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
12) Providing and laying hot applied Mastic asphalt compound.				
alt vide TMB-P-				
alt $80.00m^2 @ 820.83/m^2$				65,666.00
13) Providing and laying R.C.C. House pipe 300mm dia.				
alt vide TMB-P-				
alt $15.00m @ 873.10/m$				13,097.00
14) Providing and erecting direction board.				
alt vide TMB-P-				
alt 01 No @ 3242.31 each				3242.00
15) Providing and fixing MMSY information board, Citizen board and Moisture board				
alt 05 Nos @ 11062.14 each				55311.00
Subtotal Amount (Grand Total) Rs-				26,18,036.00
Add @ 1% Labour cess-				+ Rs 26180.00
Add @ 12% GST				+ Rs 314164.00
G. Total Amount (Rs)				29,58,380.00
Less @ 5.81% below cost (-) Agreement				1,65,965.00
Net payable Amount (Rs)				27,92,415.00/-
<i>Shanker</i> 26/02/2021 <i>Shu</i> 26/02/21 AE <i>26/02/21</i> <i>26/02/21</i>				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material Statement:-</u>					
I) Earthwork I -	204	70	m ³		
II) GSB Gr I -	29	28	m ³		
III) WBM Gr II	88	35	m ³		
IV) screening	33	71	m ³		
V) Stone chips -	920	31	m ³		
VI) coarse sand -	110	16	m ³		
VII) Cement -	85	68	MT.		
Checked 26/02/2021 SP					

Continuation