

MMGSY(SC) Prem Nagar NH-77 To Prem Nagar
Tola

Schedule XLV-Form No. 134

ग्रामीण कार्य विभाग

DIVISION

कार्य प्रमुख प्रमोद वलसंड

ग्रामीण कार्य विभाग

SUB-DIVISION

कार्य प्रमुख प्रमोद (MB- 556)

Measurement Book

Name of Agency- Dharmendra Kumar

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Part of entry	-				
(1) P/L 15/C					
- do - do					
5h					
Start point					
1 x 8.25 x $\frac{3.80+3.70}{2}$ x 0.075					2.32 m ³
1 x 6.75 x $\frac{3.70+3.80}{2}$ x 0.075					1.90 "
1 x 30.00 x 3.75 x 0.075					8.44 "
1 x 27.00 x 3.75 x 0.075					7.59 "
6 x 30.00 x 3.75 x 0.075					50.63 "
1 x 25.00 x 3.75 x 0.075					7.03 "
5h					
portion 2 x 1 x 8.00 x 0.375 x 0.075					0.38 "
2 x 4 x 30.00 x 0.375 x 0.075					6.75 "
3 x 30.00 x 3.75 x 0.075					25.31 "
1 x 12.00 x 3.75 x 0.075					3.38 "
End					
point 1 x 10.30 x $\frac{3.80+4.80+8.20}{3}$ x 0.075					4.33 "
Entry on					
curve 2 x $\frac{1}{2}$ x (5.00 - 3.75) x 1.00 x 0.075					1.03 "
$\frac{1}{2}$ x 11.00 x 4.80 x 0.075					1.98 "
C2 2 x $\frac{1}{2}$ x (5.90 - 3.75) x 9.00 x 0.075					1.11 "
P/Correction					
from on					
277m - 90m					
27 x 0.60 x 0.60 x 0.075					0.73 m ³
31 x 0.75 x 0.75 x 0.075					0.97 "
15 x 0.90 x 0.90 x 0.075					0.91 "
13 x 1.25 x 0.60 x 0.075					0.73 "

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	12.0	3.25	0.16	7.22
cut					
perme	1	10.70	$\frac{3.20+3.20+3.20}{3}$	0.16	9.23
Entry on	C	$2 \times \frac{1}{2} \times (5.00 - 3.25) \times 11.00$			2.20
curved joint		$2 \times \frac{1}{2} \times (5.90 - 3.25) \times 0.40$			2.38
	1	11.00	4.80	0.16	7.22
					Total area = 522.23

Rec of Cont-1:

① Rec m 15 km stone f

200 m stone - 00 -

> 1/2

Km stone = 02 nos - (9)

200 m stone : 02 nos - (6)

(2) 1/4 Rec m 15 grad

boundary pillars - 0 -

as

3/ pillars : 20 nos

(3) P/F of intro. rather

turned cautionary

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
mandrel & internal					
agon beam & ...					
→ m ...					
(i) 600 mm circular					0.4 m ² - (a)
ii) 600 mm square					0.2 m ² - (b)
iii) 600 mm x 900 mm					0.2 m ² - (c)
(4) P/L of H/A TC of					
2.5 mm th. ...					
→ m ...					
2 x 12 x 10.0 x 0.10					102.00 m ²
2 x 7.30 x 0.10					1.46 m ²
					103.46 m ²
5.) P/L of Rec Pipe					
300 mm dia Rec Pipe					
→ m ...					
3 x 2 x 2.5 m					15.00 m ²
(6) P/L of typical					
manhole bed & ...					
'Logo' ...					
m I B =					0.2 m ²
C I B =					0.1 m ²
maintenance =					0.1 m ²
total =					0.4 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Cont. of Subgrade					
↳ cut then shown					
↳ → ~					
↳ ~					
↳ 5 ~					
↳ 5B ditto					
	2x4x30.0	0.625	0.100		15.00 m ³
LHS	1x1x22.0	0.625	0.100		1.38 m ³
	2x5x30.0	0.25	0.10		18.75 m ³
RHS	1x1x10.0	0.615	0.10		0.62 m ³
	2x6x30.0	0.625	0.10		22.50 m ³
RHS	1x1x30.0	0.60	0.10		1.82 m ³
LHS	1x1x27.0	0.595	0.10		1.61 m ³

↳ 5B ditto

	2x4x30.0	0.625	0.075		11.25 m ³
LHS	1x1x22.0	0.625	0.075		1.03 m ³
	2x5x30.0	0.625	0.075		14.06 m ³
RHS	1x1x10.0	0.615	0.075		0.46 m ³
	2x6x30.0	0.625	0.075		16.88 m ³
RHS	1x1x30.0	0.605	0.075		1.36 m ³
LHS	1x1x27.0	0.595	0.075		1.20 m ³

CC ditto

	2x4x30.0	0.625	0.160		24.00 m ³
LHS	1x1x22.0	0.625	0.160		2.20 m ³
	2x5x30.0	0.625	0.160		30.00 m ³
RHS	1x1x10.0	0.615	0.160		0.98 m ³
	2x6x30.0	0.625	0.160		31.50 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
RHS	1x1x	30.0	0.605	0.16	2.90 m ³
LHS	1x1x	27.0	0.555	0.11	2.57 m ³
			Total Qty =		206.57 m ³

(8) Cont. of Embankment

with materials obtained

from borrow pit -

— as in SL

(level up to 100m)

(as in E/L calculation graphs)

Ch	C/S area (m ²)	mean area (m ²)	length (m)	Qty (m ³)
0	1.234			

50	1.814	1.774	5	88.70
100	1.842	1.828	5	91.40
150	1.942	1.892	5	94.60
200	2.002	1.972	5	98.60
250	2.456	2.229	5	111.95
300	2.165	2.311	5	115.53
350	1.954	2.060	5	102.98
400	2.992	2.473	5	123.65
450	2.372	2.682	5	134.10
500	1.712	2.042	5	102.10
515	1.671	1.667	15	25.00
c/o				1088.10 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B/f	-	-	-	-	1088.10 m ³
(L2) (S.B. 7) 4.4 T.M.P. 2, item-01					63.19 m ³ (-)
WBM III 4.4 T.M.P. 2, item-01					131.52 m ³ (-)
Subgrade 4.4 T.M.P. 2, item-01					206.53 m ³ (-)
CC Pavement 4.4 T.M.P. 2, item-01					322.23 m ³ (-)
Net Qty =					367.89 m ³

(2) P/E Direction & Plan
 identification board
 ————
 = 01 no.

L. 4
 13/10/23
 J.E.

SKETCH
 13/10/23
 ALE

Continuation

Abstract of cost
(cost on a/c Bill)

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/1) P/F of working B.M.					
— 40 — m —					
sh					
qtd with TMB P-01, item-01(a)					
0.517 km @ 10 4263.57/km					210.00
(2/2) P/F of Reference Bill					
— 40 — m —					
qtd with TMB, P-01, item-01(b)					
0.517 km @ 10 1878.75/km					971.20
(3/3) clearing & grading road					
— 40 — m —					
qtd with TMB, P-01, item-02					
0.362 km @ 10 4996.20/km					17918.20
(4/4) Excavation for road					
— 40 — m —					
qtd with TMB, P-02, item-03					
33.75 m @ 10 79 10/m					2501.20
(5/5) Cont. of embankment					
with material obtained from borrow pit (clay)					
— 40 — m —					
qtd with TMB P-05, item-06					
364.09 m @ 10 175.11/m					63756.20
(6/6) Cont. of Subgrade					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Cement concrete slab					
— do — on —					
Qty. of TMB, P-02, item-01					
206.52 m ³ @ 176.75/m ³					36511.2
(7/7) cut. of 6.50 m IT					
— do — on —					
Qty. of TMB, P-03, item-01					
63.69 m ³ @ 3032.22/m ³					193122.2
(8/8) P/L 15/C 40 B m - IT					
— do — on —					
— do — on —					
Qty. of TMB, P-04, item-01					
131.52 m ³ @ 3686.76/m ³					487883.2
(9/9) cut. of 47 m reinforcement					
CC pavement — do — on —					
— do — on —					
Qty. of TMB, P-05, item-01					
322.23 m ³ @ 7575.36/m ³					2441008.2
(10/10) Rec m 15 grade					
10m stone — do — on —					
— do — on —					
Qty. of TMB, P-06, item-01(1)					
02 m ³ @ 2398.98/m ³					4797.2
(11/11) Rec m 5 grade 200 m					
stone — do — on —					
Qty. of TMB, P-07, item-01(1)					
02 m ³ @ 638.28/m ³					1277.2

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12/12) P/F of 15' ground boundary pillar - 42 - 2 - 2					
94' x 12' Tm3, P-06, item-02					
20 m2 @ 502.15/m2					10043 W
(13/13) P/F of sub-reflection road, column, boundary sign board - 42 - 2 - 2 (600 mm x 450 mm)					
94' x 12' Tm3 P-06, item-3(9)					
04 m2 @ 4854.42/m2					19418 W
(14/14) P/F of sub-reflection inter, column, boundary road, sign board (900 mm x 450 mm)					
94' x 12' Tm3, P-06, item-3(10)					
02 m2 @ 5501.08/m2					110022 W
(15/15) P/F of sub-reflection inter, column, boundary sign board - 42 - 2 - 2 (600 mm x 450 mm)					
94' x 12' Tm3 P-06, item-3(10)					
02 m2 @ 4729.01/m2					9458 W
(16/16) P/F of HATC of 2.5' in road marking					

Continuation

Continuation

28-8

Rabner
19.10.2023

material statement

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
1) Soil - 570.99 m ³					
			23.78	13561	✓
2) Gravel - 13.69 m ³					
3) Sand - 26.00 m ³ - 26.75 m ³				12256	✓
20.5 m ³ - 4.75 m ³ - 39.35 m ³				12187	✓
4) Greening - 15.23 m ³				2842	✓
3) Gravel - 131.52 m ³					
5) Sand - 22.00 m ³ - 159.10 m ³				72922	✓
4) Gravel - 31.52 m ³				10906	✓
4) CC - 322.23 m ³					
Crushed stone - 290.01 m ³				153164	✓
C/Sand - 145.00 m ³				21866	✓

307710

13/10/23
JK

13/10/23
AL

Continuation