

Name - 70 Road - पकरी नरौतम से रोडा

Schedule XLV-Form No. 134

MR-N 3054

M.R
MBND 778

Executive Engineer
Rural Works Department
Works Div. Marheura

DIVISION

Panna pur

SUB-DIVISION

MEASUREMENT BOOK

Sunit Kumar Singh

Name to 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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Test and fence</u>					
Name of work:- M.R OF Road					
from Pakari Harredom					
To Totaha Path					
Agency:- Sumel kumar Singh					
S/N:- 1/MR/3054/MSD/20-21					
Date of start:- 12.08.2020					
Date of Comp:- 11.05.2021					

① Clearing and Grubbing of Reed Land.

$$2(3080 + 2422 + 538) \times 1.0 = 12080 \text{ m}^2$$

4 1.208 Nacl

② Construction of $\cos 2\theta$ with app making

Thickness - 175 mm

DLKE

$$1.6 \times 1.20 \times 1.25 = 2.4 \text{ m}^3$$

10 Y	1.50 Y	1.00	=	15.00 "
------	--------	------	---	---------

12	1.25	1.60	=	24.0
----	------	------	---	------

$$\underline{200} \times 16 \times 1.50 \times 1.25 = 3000$$

$$15 \times 1.20 \times 1.20 = 15.40$$

Continuation

$10 \times 1.50 \times 2.00 = 30.00$

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd 14 x 1.00 x 1.50 =					21.00 m ²
18 x 2.00 x 1.00 =					36.00 "
1st 16 x 1.00 x 1.25 =					20.00 "
6 x 1.00 x 1.50 =					9.00 "
5th 18 x 1.00 x 1.00 =					18.00 "
6th 10 x 1.00 x 1.20 =					12.00 "
					250.00 m ² (A)

Thickness of 150 mm

~~1st 12 x 1.00 x 1.50 =~~

2nd 12 x 1.00 x 1.50 =					18.00 m ²
10 x 2.00 x 2.00 =					40.00 "

24 x 1.25 x 2.00 =					60.00 "
2nd 22 x 1.50 x 1.00 =					33.00 "
30 x 1.25 x 2.00 =					75.00 "
2nd 20 x 1.50 x 2.00 =					60.00 "
12 x 2.00 x 2.00 =					48.00 "
1st 12 x 1.00 x 1.25 =					15.00 "
4 x 1.00 x 1.50 =					6.00 "
5th 10 x 1.50 x 1.00 =					15.00 "
5 x 1.00 x 1.00 =					5.00 "
6th 10 x 1.50 x 1.20 =					18.00 "
7 x 1.00 x 1.00 =					7.00 "
					400.00 m ² (B)

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Thickness			100mm		
2st-	13	2.00	1.50		39.00 m ²
	16	2.00	2.00		64.00
mid-	24	2.00	1.50		72.00
	10	2.00	2.00		40.00
3rd-	11	1.50	2.00		33.00
	14	2.00	2.00		56.00
4th-	15	1.50	1.50		33.75
	6	1.50	2.00		18.00
5th-	16	1.25	1.50		30.00
	8	1.50	1.50		18.00
6th-	12	1.00	1.50		18.00
7th-					
					421.75 m ² (C)
Only (A)	250.00 m ²	0.175			43.75 m ³
(B)	400.00 m ²	0.150			60.00 m ³
(C)	421.75 m ²	0.100			42.17 m ³
					145.92 m ³
Only for Rk Ass.					145.89 m ³ (D)
(3) Banding and layerup					
women Am-2 with appu					
453 m ²					
(250 + 400 + 421.75) x 1.02 =					1093.18 m ²
women Am-2 m ²					
2st-	20	1.50	2.00		60.00 m ²
	24	1.50	1.50		54.00
	10	2.00	2.00		40.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
210	20	2.0	2.0		80.00 m ²
	16	2.0	1.50		48.00
	12	1.50	1.50		27.00
300	30	1.50	1.50		67.50
	18	1.50	2.0		54.00
	8	2.0	2.0		32.00
14	12	1.50	2.0		36.00
	11	2.0	2.0		44.00
54	17	1.50	2.00		51.00
	10	1.50	1.50		22.50
648	16	1.50	2.0		48.00
60	8	1.25	2.0		20.00

1777.18 m²

$$\text{Qty} = 1777.18 \text{ m}^2 \times 0.075 = 133.29 \text{ m}^3$$

$$4 \times 17.75 \times 3.75 \times 0.075 = 19.97 \text{ m}^3$$

$$153.26 \text{ m}^3$$

④ Banding & laying work

Cor. B with asphalt material

WBM 6m² Area $\times 1.02$

$$= 1777.18 \text{ m}^2 \times 1.02 = 1812.72 \text{ m}^2$$

only WBM for 3 area

$$20 \times 2.00 \times 2.50 = 100.00$$

$$26 \times 2.00 \times 2.00 = 104.00$$

$$18 \times 1.50 \times 2.00 = 54.00$$

$$6 \times 5.00 \times 3.75 = 112.50$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1st	22	2.0	2.0		88.00 m
	24	1.50	2.50		90.00 m
	25	1.50	2.0		75.00 m
2nd	15	2.0	2.0		60.00 m
	22	1.50	2.0		66.00 m
	26	1.50	1.50		58.50 m
	4	5.00	2.00		40.00 m
3rd	25	2.00	1.50		75.00 m
	18	2.00	2.00		72.00 m
5th	22	2.00	2.00		88.00 m
	14	1.50	2.00		42.00 m
	8	4.00	1.50		18.00 m
6th	32	1.50	1.50		72.00 m
Contd	10	2.00	2.00		40.00 m
	6	3.00	1.25		22.50 m
Total = 3120.22 m ² (A)					
Qty: 3120.22 m ² x 0.075 = 234.02 m ³					
(5) Construction of Subgrade and earthen shoulder					
2 (3080 + 2422 + 538) x 0.700 x 0.300					
= 2536.80 m ³					
Add: 2 x 6.00 x 0.700 x 0.300 = 2.52 m ³					
2534.28 m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
⑥ Banding and applying Prime Coat					
Area same as ④ =					3120.22 m^2
⑦ Band and applying tack Coat					
Area same as ⑥ =					3120.22 m^2
⑧ Peeling					
$12 \times 5.4 \times 1.00 =$					90.00
$15 \times 125 \times 1.0 =$					1875
					3228.97 m^2
⑧ Banding and Laying 20 mm thick mix & seal surface					
Area same as ⑦ =					3228.97 m^2
⑨ Banding & applying tack Coat					
$(3080 + 2422 + 538) \times 3.75 =$					22650.00 m^2
⑩ Band and Laying 25 mm thick S.D.C.					
$(3080 + 2422 + 538) \times 6040 \text{ m}$					
Qty =					$6040.00 \times 3.75 \times 0.025 = 566.25 \text{ m}^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑪ Providing and laying hot applied thermoplastic compound for Road marking					
2 (3080 + 2422 + 538) × 100 / 1002					1208.04
⑫ Bonding and fixing of 1cm stone					07 M ₃
⑬ Bonding and fixing of 200 mm of stone					24 M ₃
⑭ Bonding and fixing of Boundary filler					116 M ₃
⑮ Bar and fixing of door and place Identification Sign board					
2 × 1.20 × 0.80 =					1.92 m ²
⑯ Providing and fixing of Traffic Sign board					
① 600 mm eq triangle					47 M ₃
② 600 mm Circular					8 M ₃
③ 600 mm × 450 mm Rect					23 M ₃
⑰ Bonding and fixing of 4 pieces left + center + maintenance board					06 M ₃

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) Planting of Trees					
by the Rural Sanitation					
do all complete work — 296 Nos					
(19) Bonding brick work in					
Cm (1:4)					
Sarpel of C.D.					
1 x 2 x 3.00 x 0.400 x 2.25 =					5.40 m ³
1 x 2 x 3.00 x 0.400 x 2.50 =					6.00 m ³
1 x 2 x 6.00 x 0.400 x 1.00 =					4.80 m ³
1 x 2 x 4.80 x 0.400 x 2.50 =					9.60 m ³
1 x 1 x 4.80 x 0.400 x 0.600 =					1.15 m ³
1 x 1 x 3.00 x 0.400 x 1.00 =					1.20 m ³
					28.15 m ³
Deduction —					
2 x 2 x 7.4 x 0.82 x 0.61 =					9.66 m ³
1 x 2 x 7.4 x (1.23) ² x 0.61 =					1.32 m ³
					1.45 m ³
					25.38 m ³
(20) Bonding plastering masonry (1:4)					
1 x 4 x 3.00 x 2.25 =					27.00 m ²
1 x 4 x 3.00 x 2.50 =					30.00 m ²
1 x 4 x 6.00 x 1.00 =					24.00 m ²
1 x 4 x 4.80 x 2.50 =					48.00 m ²
1 x 2 x 4.80 x 0.600 =					5.76 m ²
1 x 2 x 3.00 x 1.00 =					6.00 m ²
3 x 4 x 6.00 x 0.60 =					43.20 m ²
Top 38.00 x 0.40 =					14.72 m ²
					198.68 m ²
(21) Plastering on parapet wall					
2 x 2 x 3.00 x 1.60 =					38.40 m ²
2 x 4 x 4.80 x 1.40 =					53.76 m ²
3 x 4 x 6.00 x 1.40 =					100.80 m ²
					192.96 m ²

Continuation

2 x 2 x 3.00 x 1.60 =					38.40 m ²
2 x 4 x 4.80 x 1.40 =					53.76 m ²
3 x 4 x 6.00 x 1.40 =					100.80 m ²
					192.96 m ²

10.5.2021
GZ

10.5.21
AE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost					
① Clearing and grubbing of R/L Land near ① P-1					
1.208 Hae of 49496.70/Hae 59792.0					
② Cost of G.R. for ②					
② P-1 to 3					
145.89 m ³ of 2603.62/m ³					379842.00 380717.00
③ Poor and laying work					
③ P-3 to 4					

153.26 m ³ of 4055.68/m ³					260543.00 759503.00
153.26 m ³					
④ Poor and laying work					
④ P-4 to 5					
234.02 m ³ of 4401.03/m ³					1029929.00
⑤ Construction of subgrade and earthen shoulder					
⑤ P-5					
2534.28 m ³ of 176.96/m ³					448466.00
⑥ Poor and applying prime coat					
⑥ P-6					
3120.22 m ² of 41.33/m ²					128959.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ Boarding and applying Table coat 2nd ⑦ P-6					
3228.97 m ² of 14.02/m ² P-6					45270.00
⑧ Board and lath 20mm thick on S-S 1st ⑧ P-6					
3228.97 m ² of 233.70/m ² P-6					754610.00
⑨ Board and applying tack coat over surface 2nd ⑨ P-6					
22650.00 m ² of 11.75/m ² P-6					266138.00
⑩ Board and lath 25mm thick on S-S 1st ⑩ P-6					
566.25 m ² of 11499.33/m ² P-6					6511496.00
⑪ Board and lath applied thermoplastic Road marking compound 2nd ⑪ P-7					
1208.00 m ² of 735.40/m ² P-7					888363.00
⑫ Board and pickup 8 kum 1st ⑫ P-7					
07 Nos of 2450.36 each P-7					17153.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) Pour and fixing of 200 mm stone					
14- (13) P-7					
24 Nos @ 660.89/each					15861.0
(14) Pour and fixing of boundary pillars					
24- (14) P-7					
116 Nos @ 519.77/each					60293.0
(15) Pour and fixing of 120 mm and 150 mm					
Electrification board					
Ham (15) P-7					
1.92 m ² @ 12450.75/m ²					23905.0
(16) Pour and fixing of installation board					
14- (16) P-7					
(17) 600 mm sq Rangle					
47 Nos @ 3730.31/each					175325.0
(18) 600 mm Coruhla					
08 Nos @ 3829.66/each					30637.0
(19) 600 mm x 450 mm Reel					
23 Nos @ 3700.54/each					85112.0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Providing and fixing of typical Lath + Plaster					
14 (17) P. 7					
06 Nos @ 9488.95/sq.ft					56934.7
(18) Plastering of Faces					
14 (18) P. 8					
296 296 8					
04 800.30/sq.ft					23688.0
(19) Plastering on wall					
14 (19) P. 8					
25.28 m ²					
04 5102.29/sq.ft					129495.0
(20) Plastering on wall					
198.68 m ²					
04 158.81/m ²					31552.0
(21) Plastering on wall					
192.96 m ²					
04 95.63/m ²					18453.0
Total					121539.77
Less 1.11 % for waste					13581.54
Total					137339.94
Less 1.11 % for waste					15244.70
Total					135815.47

Continuation

10/05/21
AE