

New Maintenance Policy - 2018
Schedule XLV-Form No. 134

Departmental Work

10/21/15
DIVISION

24/2/21
SUB-DIVISION

Post - measuring Move to measuring.

MEASUREMENT BOOK

* Furned Rajan Sarkar, M.B.No-3101

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.	
	1st				
Name of work - Masuma More					
to Masuma					
Agency - Kumud Ranjan Sarkar					
Block - Sarmere					
Agreement No. - 01/F2/23-24					
25/03/2022					
work started date - 19/04/23					
Date of Completion - 04/04/2022					
Actual date of Completion - 04/04/2022					
I					
Cleaning & grubbing road					
land do do all Complete					
2x1x25x1.00 = 50.00					
2x2x30x1.00 = 120.00					
2x6x30x1.00 = 360.00					
2x5x30x1.00 = 300.00					
2x7x30x1.00 = 420.00					
2x1x13x1.00 = 26.00					
1276.00					
= 0.1281					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 Scarifying Existing bituminous					
Surface do do all					
Complete					
	1x12	3.70	=		44.40
	1x20	2.75	=		75.00
	1x30	3.40	=		102.00
	1x5	3.65	=		18.250
	1x18	3.30	=		59.40
					299.050 m ²

2 Const ⁿ of embankment					
with material obtained					
from borrow pits local up to					
1000m do do all					

Ch (m)	1/2 Area (m ²)	1/2 Mean Area (m ²)	Distance (m)	Quantity (m ³)
0	0.782	—	—	—
50	0.614	0.698	50	34.900
100	0.711	0.6625	50	33.125
150	0.928	0.895	50	40.975
200	1.017	0.9725	50	48.625
250	0.900	0.9385	50	47.925
300	1.092	0.996	50	49.800
350	0.785	0.9385	50	46.925
400	0.924	0.8545	50	42.725
450	1.069	0.9965	50	49.825
500	1.132	1.1005	50	55.025
550	1.074	1.113	50	53.650
				505.500

Checked
+
noted
at 4/2/20

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CU (m)	1/2 Area (m ²)	1/2 measured Area (m ²)	1/2 depth (m)		Quantity (m ³)
				B.F.	505.90 m ³
600	0.702	0.913	50		76.150
650	0.875	0.8135	50		40.675
700	0.702	0.7885	50		39.425
					631.750 m ³

✓ Contⁿ of GSB by providing
Coarse graded material done
all complete

	80 x 0.30 x 0.30 x 0.10 =	0.720
	60 x 0.40 x 0.40 x 0.70 =	1.404
	65 x 0.40 x 0.40 x 0.30 =	1.711
	78 x 0.60 x 0.90 x 0.130 =	3.042
checked	89 x 0.70 x 0.60 x 0.140 =	5.233
✓	62 x 0.70 x 0.60 x 0.120 =	3.385
✓	87 x 0.90 x 0.80 x 0.120 =	7.517
	72 x 0.90 x 0.80 x 0.140 =	7.983
	77 x 0.90 x 0.80 x 0.140 =	8.705
	91 x 1.00 x 0.70 x 0.120 =	8.026
	85 x 1.00 x 0.80 x 0.10 =	10.710
	88 x 1.20 x 0.90 x 0.140 =	13.306
	77 x 1.20 x 0.70 x 0.10 =	10.295
	12 x 0.40 x 0.40 x 0.10 =	0.216
	40 x 0.40 x 0.40 x 0.130 =	1.053
	36 x 0.40 x 0.40 x 0.10 =	1.109
	81 x 0.60 x 0.50 x 0.140 =	3.788

88.303 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
					D.F. = 88.303 m ³
		44 x 0.65	0.50	0.120	= 1.716 ✓
		48 x 0.70	0.60	0.140	= 2.822 ✓
					92.841 m ³
S. Paving, laying, spreading and Compacting stone aggregate w.B.M. gr. II					
do do all Complete					
		84 x 0.320	0.50	0.075	= 0.645 ✓
		112 x 0.470	0.42	0.075	= 1.658 ✓
		98 x 0.47	0.47	0.075	= 1.624 ✓
		96 x 0.63	0.53	0.075	= 2.404 ✓
		115 x 0.73	0.63	0.075	= 3.967 ✓

checked	104 x 0.73	0.68	0.075	= 3.822 ✓
✓	88 x 0.93	0.83	0.075	= 5.095 ✓
✓	73 x 0.93	0.90	0.075	= 4.583 ✓
✓	85 x 0.92	0.88	0.075	= 5.498 ✓
	93 x 1.250	0.73	0.075	= 6.874 ✓
	89 x 1.35	0.82	0.075	= 7.389 ✓
	92 x 1.23	0.93	0.075	= 8.408 ✓
	88 x 1.23	0.78	0.075	= 6.332 ✓
	13 x 0.42	0.47	0.075	= 0.266 ✓
	49 x 0.47	0.47	0.075	= 0.812 ✓
	47 x 0.53	0.42	0.075	= 0.781 ✓
	86 x 0.62	0.58	0.075	= 2.319 ✓
	49 x 0.68	0.52	0.075	= 1.299 ✓
	57 x 0.72	0.63	0.075	= 1.735 ✓

65.565 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6	Providing, laying, spreading and Compacting stone aggregate WBM gr (11) done all Complete				
checked + summed + AE	1x10x	$\frac{3.90+3.75}{2}$	x 0.075	=	2.869 ✓
	1x21x	3.75	x 0.075	=	5.906 ✓
	1x30x	3.75	x 0.075	=	8.438 ✓
	6x30x	3.75	x 0.075	=	50.625 ✓
	3x30x	3.75	x 0.075	=	25.313 ✓
	1x20x	$\frac{3.75+3.80}{2}$	x 0.075	=	5.663 ✓
	1x25x	$\frac{3.80+3.75}{2}$	x 0.075	=	7.078 ✓
	2x30x	3.75	x 0.075	=	16.875 ✓
	3x30x	3.75	x 0.075	=	25.313 ✓
	1x9x	3.75	x 0.075	=	2.531 ✓
					150.611 m ³
7	Providing & applying primer coat (SS-1) done all Complete				
checked + summed + AE	1x10x	$\frac{10.30+8.60+4.50}{3}$		=	78.60
	1x10x	$\frac{3.75+3.85}{2}$		=	38.60 ✓
	1x6x	$\frac{3.85+3.75}{2}$		=	22.800 ✓
	1x30x	3.75		=	112.500 ✓
	4x30x	3.75		=	450.00 ✓
	1x21x	3.75		=	78.750 ✓
	1x15x	$\frac{3.75+3.90}{2}$		=	57.375 ✓
	1x9x	$\frac{3.90+6.10}{2}$		=	45.00 ✓
					804.425

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F. =	804.425 ✓
	1x10x	10.30	8.60	4.50	
				=	78.0 ✓
	1x11x	4.50	4.60		
				=	46.750 ✓
	1x20x	4.60	3.90		
				=	78.60 ✓
	1x10x	3.80			
				=	38.0 ✓
	1x19x	3.80	3.75		
				=	71.725 ✓
	1x30x	3.75			
				=	112.50 ✓
	2x30x	3.75			
				=	225.00 ✓
	1x30x	3.75			
				=	112.50 ✓
	1x20x	3.75			
				=	75.00 ✓
	2x30x	3.75			
				=	225.00 ✓
	1x11x	3.75	4.30		
				=	44.275 ✓
	9x	4.30	3.75		
				=	36.225 ✓
	1x30x	3.75			
				=	112.50 ✓
	1x25x	3.75			
				=	93.750 ✓
					2153.650 m ² ✓

8 Provide & applying tack coat
with bitumen emulsion (RS-2)

done all complete

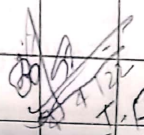
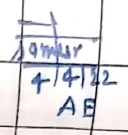
	1x10x	3.75	3.85		
				=	38.60 ✓
	1x6x	3.85	3.75		
				=	22.80 ✓
	1x30x	3.75			
				=	112.50 ✓
	4x30x	3.75			
				=	450.00 ✓
	1x21x	3.75			
				=	78.750 ✓
	1x15x	3.75	3.90		
				=	57.375 ✓
	1x7x	3.90	6.10		
				=	45.00 ✓

804.425 m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				AF	204.425 m ²
	1x10x	10.30	8.60	4.50	78.60
	1x11x	4.50	4.00		46.750
	1x20x	4.00	3.80		78.60
	1x10x	3.80			38.60
	1x19x	3.80	3.75		71.725
	1x30x	3.75			112.50
	2x30x	3.75			225.00
	1x30x	3.75			112.50
	1x20x	3.75			75.00
	2x30x	3.75			225.00
	1x11x	3.75	4.30		44.275
	9x	4.30	3.75		36.225
	1x30x	3.75			112.50
	1x25x	3.75			93.750
					2153.650 m ²
9 Provide & apply 1:2:4 concrete Surface (3.90) Cont lower continuous Surface chade all complete					
	1x10x	3.75	3.85		38.60
	1x6x	3.85	3.75		27.86
	1x30x	3.75			112.50
	4x30x	3.75			450.00
	1x21x	3.75			78.750
	1x15x	3.75	3.90		57.375
					759.420 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material Statement					
Earthwork	631.75	m ³			
G.S.B	76.11	m ³			
Local sand	47.43	m ³			
Stone material Gr II + Gr III	261.58	m ³			
Stone screening	62.70	m ³			
Emulsion (SS-1)	1.84	M.T.			
Emulsion (RS-1)	1.192	M.T.			
Bitumen (S-90)	10.55	M.T.			
Stone chips	174.20	m ³			
Sand	20.21	m ³			
 S. F.  4/4/22 AE					

Abstract of Cost-			
1 Clearing & grubbing road			
Land cleared all complete			
0.128 Ha	Pg No. - ①		
@ Rs 48479.20/Ha - Rs 6205.00			
2 Scrubbing Existing bituminous			
Surface cleared all complete			
299.05 m ²	Pg No. - ②		
@ Rs 15.84/m ² - Rs 4737.00			
3 Cost ⁿ of embankment with			
material obtained from borrow			
pits lead upto 100m cleared			
all complete			
631.750 m ³	Pg No. - ③		
@ Rs 203.80/m ³ - Rs 128751.00			
Continuation			
@ Rs	Rs 139693.00		

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
				P. 6. P. 129693 = w
4	Cost ⁿ of GSB by providing			
	Coarse graded material			
	do do all Complete			
	92.84 m ²		Pg No. - (4)	
	@ Rs 1274 = 63/m ²		P	118338 = w
5	Providing, laying, spreading			
	and Compacting stone aggregate			
	WBM gr - II do do all			
	Complete			
	65.565 m ²		Pg No. - (4)	
	@ Rs 2952 = 89/m ²		P	193606 = w
6	Providing, laying, spreading			
	and Compacting stone aggregate			
	WBM gr - III do do all Complete			
	150.611 m ²		Pg No. - (5)	
	@ Rs 2940 = 73/m ²		P	442906 = w
7	Providing & applying primer			
	Coat (SS-1) do do all Complete			
	2153.650 m ²		Pg No. - (6)	
	@ Rs 47 = 86/m ²		P	103074 = w
8	Providing & applying tack			
	Coat with bitumen emulsion			
	(RS-1) do do all Complete			
	2153.650 m ²		Pg No. - (7)	
	@ Rs 16 = 29/m ²		P	35081 = w
				610327 = w

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9				B.F.B.	1032760 = 0
Providing & applying Mix Seal					
Surface do do all					
Complete					
2153.550 m ²				Pg No. - (8)	
@ Rs 207 = 26/m ²				B	446265 = 0
10					
Providing & applying Jack					
Coat with over bituminous					
Surface do do all Complete					
2152.650 m ²				Pg No. - (9)	
@ Rs 13 = 58/m ²				B	292472 = 0
11					
Providing & laying Semi dense					
Bituminous Concrete do do					
all Complete					
53.840 m ²				Pg No. - (10)	
@ Rs 10766 = 12/m ²				B	5796912 = 0
12					
Cont ⁿ of PCC M-30 do do					
all Complete					
41.960 m ²				Pg No. - (11)	
@ Rs 6194 = 83/m ²				B	259985 = 0
13					
Road marking with hot					
applied thermoplastic					
Compound do do all Complete					
114.950 m ²				Pg No. - (12)	
@ Rs 537 = 55/m ²				B	61791 = 0
					Rs 2409779 = 0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				P.F.R.	2409779-10
14 Road marking with hot applied thermoplastic Compound					
do do all Complete					
21.2 m ²				Pg No. - (12)	
@ Rs 563.96/m ²				B	11956-10
15 Planting of trees and Maintenance for one year					
3500 Nos.				Pg No. - (12)	
@ Rs 840.11/No.				B	29404-00
16 Boundary pillars					
28.00 Nos				Pg No. - (12)	
@ Rs 485.01/No.				B	13580-00
17 K.M. Stone					
1.00 No.				Pg No. - (12)	
@ Rs 2171.41/No.				B	2171-00
18 200mm Stone					
4.00 Nos.				Pg No. - (13)	
@ Rs 608.14/No.				B	2433-00
19 600mm equilateral triangle					
4.00 Nos.				Pg No. - (13)	
@ Rs 3502.04/No.				B	14008-00
20 600mm Circular					
4.00 Nos.				Pg No. - (13)	
@ Rs 4638.11/No.				B	18552-00
					<u>Rs 2501883-10</u>

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
21	800mm x 600mm rectangular			2501882=10
	2.10 Nos			
	Pg No. - (15)			
	@ Rs 6400-36/No. - B			12801=10
22	600mm x 450mm rectangular			
	2.10 Nos			
	Pg No. - (13)			
	@ Rs 4521=82/No. - B			9044=10
23	900mm Side polygon			
	1.00 No.			
	Pg No. - (13)			
	@ Rs 8117=88/No. - B			8118=10
24	Direction Sign board			
	2.10 Nos			
	Pg No. - (13)			
	@ Rs 11273=37/No. - B			22547=10
25	Providing & fixing Logo of project & citizen info. board do do all Complete			
	3.00 Nos			
	Pg No. - (13)			
	@ Rs 9358=09/No. - B			28074=10
26	Brick masonry in CM (1:3) in parapet do do all Complete			
	2.88 m ³			
	Pg No. - (11)			
	@ Rs 4853=40/m ³ - B			13978=10
27	Providing PCC M-20 coping do do all Complete			
	12.00 m			
	Pg No. - (11)			
	@ Rs 376=84/m - B			4522=10
				2600962=10

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
28. Plastering with (1:1:4) in sub structure do do all Complete					260963
20.160 m ²					
29. Plastering 125 mm concrete on new concrete surfaces do do all Complete					2559
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					1877
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					2605403
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					312648
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					26054
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					5692
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					3000607
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					300061
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					2700416
20.160 m ²					
Plastering 125 mm concrete on new concrete surfaces do do all Complete					3000607
20.160 m ²					

12/12/22
J.E.

Subur
+ 4122
AB

C.P.

12/12/22