

HEAD - MR-N-13-20 Dana Pur/07
कार्य का नाम - सतर पंचमुखी से टिकैतपुर

04 MB
20-21

Schedule XLV-Form No. 134

Dana Pur

DIVISION

Name of AE - Sri Sonar Ram

manes

SUB-DIVISION

MEASUREMENT BOOK

Name of Agency - Sanjash Kumar

1371

Certified that this M.B Contains
100 (One hundred) Nos of Machine
Pages & issued to Sri. Samaru Ram
A.E, R.W.D, works
Sub Division Danapur

[Signature]
12/08/20
Executive Engineer
Rural Works Department
Works Division, Danapur
12/08/20

Sch. XLV - Form No. 134

Danapur

DIVISION

SUB-DIVISION

Measurement Book

No. 1371

Sri Somaru Ram
Name of officer ~~Sri Somaru Ram~~

Date of first entry _____

Date of last entry _____

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: - Repair and Maintenance of Road from Satar Panch muhani to Tikaitpur					
Name of Agency: - Sri Santosh Kumar					
Agreement No: - 04/MSD-2020-2021					
Date of Commencement: - 10.8.2020					
Date of Actual completion: - 10.12.2020					
① Clearing and Grubbing Road					
Land including uprooting wild					
vegetation, grass, bushes, shrubs					
saplings and trees do - do -					
$2 \times 50 \times 30 \text{ mtr} \times 1.00 = 3000.00$ $2 \times 20 \times 30 \text{ mtr} \times 1.00 = 1200.00$ $= 4200.00 \text{ Hec.}$					
② Scarifying the existing bituminous					
road surface to depth of 100mm					
and disposal of scarified material					
with a lift up to 3mtr and load					
100mm do - do -					
$1 \times 25 \text{ mtr} \times 3.75 = 93.75 \text{ m}^2$ $1 \times 42 \text{ mtr} \times 3.75 = 157.5 \text{ m}^2$ $(30 \text{ mtr} + 12 \text{ mtr})$ $1 \times 26 \text{ mtr} \times 3.75 = 97.5 \text{ m}^2$ 348.75 m^2					
③ Construction of Subgrade Granular					
Continuation					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Subbase by providing well graded material, spreading in uniform layers with motor grader on prepared surface.					
do do					
(For Grading II material)					
5x	7.95	x 0.66	x 0.175	=	4.59 m ³
3x	8.74	x 1.10	x 0.175	=	5.05 m ³
7x	7.87	x 1.99	x 0.175	=	19.19 m ³
4x	6.91	x 1.40	x 0.175	=	6.32 m ³
6x	4.90	x 0.68	x 0.175	=	3.56 m ³
8x	3.14	x 1.42	x 0.175	=	6.24 m ³
6x	6.24	x 0.63	x 0.175	=	4.13 m ³
1x	9.28	x 1.11	x 0.175	=	1.90 m ³
2x	2.54	x 1.44	x 0.175	=	4.48 m ³
4x	9.50	x 1.89	x 0.175	=	12.53 m ³
7x	9.60	x 1.35	x 0.175	=	18.88 m ³
2x	9.43	x 0.57	x 0.175	=	1.89 m ³
5x	2.7	x 0.68	x 0.175	=	4.58 m ³
6x	3.70	x 0.86	x 0.175	=	3.11 m ³
1x	3.49	x 0.86	x 0.175	=	0.53 m ³
1x	2.34	x 1.70	x 0.175	=	0.73 m ³
5x	9.70	x 1.29	x 0.175	=	11.04 m ³
6x	1.79	x 0.55	x 0.175	=	1.03 m ³
5x	5.02	x 1.46	x 0.175	=	6.41 m ³
8x	3.51	x 1.54	x 0.175	=	7.57 m ³
9x	8.47	x 0.52	x 0.175	=	6.94 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Recorded measurement</u>					
① Providing laying spreading and compacting stone, aggregates of specific sizes to water bound macadam with specification					
do do do					
50 x 30 m x 3.75 x 0.075 = 421.875 m³					
50 x 30 m x 3.7 x 0.075 =					421.875 413.44 m ³
2 x 30 m x 3.75 x 0.075 =					16.075 m ³ 78.73 m ³
1 x 12 m x 8 m x 3.75 x 0.075 =					5.29 m ³
				444.03	435.05 m ³ 420.38 m³
					Sum 88 11121206 G.E.
<u>Record measurement</u>					
② Providing and applying primer coat with bitumen emulsion (SS1) on prepared surface of granular base do do					
50 x 30 m x 3.75 =					5625.00 5512.50 m ²
2 x 30 m x 3.75 =					225.00 m ² 405.00 m ²
1 x 12 m x 8 m x 3.75 =					70.50 m ²
				5920.5 m ²	5650.50 m ² 5000 m ² 5000.50
					Sum 88 11121206 G.E.
Continuation					

Continuation

[illegible]

Abstract of cost

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Particulars	Details of actual measurement			Contents of area
	No.	I.	B.	D.
		1st & 2nd Final Bill		
(1/1) Clearing and grubbing Road				
Land Qty v/d No (1) elem				
No (1) T.m.B.				
				15963 = 10
				15352 = 10
(2/2) Scarifying Existing Bituminous				
Surface Qty v/d No (2) elem				
No (2) T.m.B.				
				348.25 m ²
				@ Rs 15 = 24 / m ² Rs 5409 = 10
(3/3) well Graded materials				
Qty v/d No 3 elem No				
(3) T.m.B.				
				108.45 m ³
				@ Rs 2260 = 98 / m ³ Rs 4,27,589 = 10
(4/4) Water Bound Macadam				
with stone screening Gr II				
Qty v/d No 5 elem No (1)				
T.m.B.				
				91.05 m ³ @ Rs 4263 = 23 / m ³ Rs 3,91,633 = 10
(5/6) Centre Grading III				
Providing, laying, spreading				
and compacting stone Gr III				
Qty v/d No 6 elem No				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① T.M.A 435.03 423.75 m ³ @ 39/10 = 39/10 Rs 444.035					1216362=0 1092029=0 1751091=0
⑥ Providing and applying prime coat with bitumen emulsion Qty v/p No 6 elem					
No ② T.M.A 500.50 5650.50 m ² @ 43 = 79/m ² Rs 5920.50					259250=0 242425=0
⑦ Providing laying and rolling of close-graded premix surfacing material to 20mm thickness Qty v/p No ⑤ elem No ①					
T.M.A 500.50 5650.50 m ² @ 205 = 02/m ² Rs 5920.50					1210053=0 1163260=0
⑧ Providing and applying face coat with bitumen. emulsion Qty v/p No ⑤					
elem No ① T.M.A 5650.50 m ² 500.50 m ² 5920.50 m ² 292.65 @ 145 = 05/m ² Rs					463,931=0 00297=0 175542=0
⑨ Providing and laying semi dense bituminous concrete Qty v/p No ⑤ elem No ② T.M.A 145.042 m ³ @ 10502 = 51/m ³ Rs					1994096=0 15,34,590=0
⑩ Kilometer local stone v/p No ⑤ elem No ④ T.M.A (1) km stone - 3 Nos					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3 Nos @ 210	1 = 61	each ft			6545 = 40
(ii) 20mm stone - 6 Nos					
@ 600	68	each M			3652 = 00
(11/15) Road marking with Hb					
applied Qty v/p No & estimate					
(5) T.M.A					
(i) 343.10	722 = 2	1/m ² ft			226064 = 10
300mm ² @ 722 = 2					226064 = 10
(ii) 15.00m ² @ 735 = 04		1/m ² ft			11037 = 00
(12/12) Providing and fixing of retro-					
reflectorised, cautionary, mandatory					
and information sign board Qty					
v/p No (9) elem No (5) T.M.A					
(i) 60mm triangle - 10 Nos					
@ 3449 = 09		each ft			34491 = 40
(ii) 60mm circle - 2 Nos					
@ 4623 = 33		each ft			9247 = 40
(iii) 60mm x 40mm rectangular					
4 Nos @ 4503 = 13		each ft			18013 = 40
(13/13) 6 Guard stones/boundary					
stones Qty v/p No & elem					
No (6) T.M.A					
19 Nos @ 510 = 32		each M			9696 = 40
(14/14) Planting 16 Trees by the road					
Costs Qty v/p No & elem No					
(6) T.M.A					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
79 Nos @ Rs 1122 = 90 each Rs					89110 = 40
(15/3) Construction of Subgrade and earthen shoulder by					
VIP No (9) elem No (9) T.M.B					
1026.40 m ² @ Rs 220 = 46 / m ² Rs					2,26,192 = 20
(16/16) Providing and fixing of typical					
mim 4 5/8 m ² masonry brick wall					
Qty VIP No (9) elem No (9)					
T.M.B					
3 Nos @ Rs 93142.06 / m ² Rs					27942 = 20
Culverts					
(15) Plastering with cement mortar (1:3)					
Qty VIP No (10) elem No (10) T.M.B					
2 Nos culverts x 44.60 = 89.32 m ²					
@ Rs 138 = 25 / m ² Rs					12254 = 40
(18) Brick masonry work in					
Cement mortar (1:3) Qty VIP					
No (10) elem No (10) T.M.B					
3.40 m ³ @ Rs 5014 = 61 / m ² Rs					17442 = 20
(15) Plastering with cement mortar					
(1:3) Qty VIP No (10) elem No (10)					
T.M.B. — 10.200 m ²					
@ Rs 138 = 25 / m ² Rs					2525 = 40
(20) Painting two coats in Med					
Emboss Qty VIP No (10) elem					
No (10) and (15) T.M.B					

Continuation

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