

BATHNAHA BAZAR TO TIRKAULIYA

Schedule XLV-Form No. 134

m/r

ग्रामीण कार्य विभाग कार्य प्रमण्डल DIVISION

खीतासही SUB-DIVISION

MEASUREMENT BOOK

पृष्ठ 71E 2946

प्रमाणित किया जाता है कि इस
मापीयुक्त में कुलाम (एक जो)
पुल है तथा इस में रास्ता प्रकृ
सहायक कारिका, जलपिपा कार्य किम
कार्य और प्रमाण व्यवस्था की
निर्दिष्ट किया जाता है

Executive Engineer

R.W.D. Works Division

Sitamarhi

28.4.20

Sch. XLV - Form No. 134

_____ DIVISION

_____ SUB-DIVISION

Measurement Book

No. 2946

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.	
Record Entry					
Name of Work:— Const of road					
and C.D. Work with					
Maintenance for Balthnah					
Bazar to Trikauliya					
(under MR (3056)					
Name of Agency— Rajesh Kumar.					
90 Sm Ramadex Singh					
H. No— 38/1 Rajopatti, New					
Ward No— 28 behind Ganesh					
petrol pump, Sidamarkh					
Assess— S/D 18/07/2020-21					
Date of start— 07.08.2020					
Date of Comp— 06.08.2021					
① clearing and Grubbing					
road land. --- m ²					
$2 \times 30 \times 30.0 \times 1.0 = 1800.0 \text{ m}^2$					
$2 \times 30 \times 30.0 \times 1.0 = 1800.0 \text{ m}^2$					
$2 \times 28.0 \times 30.0 \times 1.0 = 1680.0$					
$2 \times 7.0 \times 1.0 = 14.0$					
					$= 5294 \text{ m}^2$
					$= 0.529 \text{ Hec}$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2/3) w.r.m-3					
providing laying spreading					
and compacting stone					
metal Gr-III in pot Patel.					
- - - - - 211 sq.					
3x	2.0	x 1.35	x 0.075	=	0.61 m ³
4x	1.50	x 1.8	x 0.075	=	0.45
7x	1.0	x 0.70	x 0.075	=	0.37
4x	1.50	x 1.10	x 0.075	=	0.50
6x	2.30	x 1.90	x 0.075	=	1.96
7x	2.50	x 1.30	x 0.075	=	1.71
11x	1.90	x 1.55	x 0.075	=	2.42
8x	1.60	x 1.40	x 0.075	=	1.33
8x	1.54	x 1.32	x 0.075	=	1.21
9x	1.70	x 1.40	x 0.075	=	1.61
6x	1.59	x 1.35	x 0.075	=	0.97
11x	1.95	x 1.80	x 0.075	=	2.89
5x	1.50	x 1.25	x 0.075	=	0.70
6x	1.70	x 1.35	x 0.075	=	1.03
2x	1.58	x 0.90	x 0.075	=	0.85
7x	1.65	x 1.30	x 0.075	=	1.13
4x	1.50	x 0.90	x 0.075	=	0.40
6x	1.25	x 0.96	x 0.075	=	0.50
7x	1.38	x 1.15	x 0.075	=	0.82
2x	1.50	x 1.25	x 0.075	=	1.12
7x	1.50	x 1.35	x 0.075	=	1.06
5x	1.70	x 1.35	x 0.075	=	0.86
					= 24.50 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Bf =	24.50 m ²
	6	2.0	1.75	0.075	1.52
	7	1.85	1.55	0.075	1.50
	8	1.75	1.30	0.075	1.37
	15	1.60	1.30	0.075	2.34
	13	1.40	1.28	0.075	1.75
	11	1.50	1.75	0.075	1.55
	3	1.45	1.15	0.075	0.37
	8	1.15	1.0	0.075	0.69
	16	1.75	1.05	0.075	1.58
	12	1.40	1.15	0.075	1.45
	2	1.47	1.05	0.075	0.23
	5	1.50	1.15	0.075	0.67
	6	1.70	1.30	0.075	1.0
	5	1.60	1.35	0.075	0.81
	6	1.45	1.15	0.075	0.75
	17	1.70	1.35	0.075	2.93
	3	1.85	1.50	0.075	0.62
	20	1.50	1.22	0.075	2.75
	14	2.50	1.85	0.075	4.85
	13	2.10	1.66	0.075	3.40
	8	2.15	1.50	0.075	1.94
	2	2.05	1.76	0.075	0.54
	8	2.60	2.25	0.075	3.51
	6	2.35	1.95	0.075	2.06
	14	1.70	1.40	0.075	2.50
					= 67.26 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				88	67.36 m ²
	7	2.8	1.35	0.075	1.82 m ²
	8	1.50	1.30	0.075	1.17
	9	1.95	1.70	0.075	2.24
	8	2.10	1.75	0.075	2.20
	5	2.15	1.70	0.075	1.37
	6	2.0	1.41	0.075	1.27
	8	0.65	1.0	0.075	0.39
	19	1.60	1.25	0.075	2.25
	5	1.60	1.15	0.075	0.69
	7	1.50	1.40	0.075	1.10
	12	1.35	1.50	0.075	1.82
	16	1.30	1.25	0.075	1.75
	8				
	13	1.10	1.20	0.075	1.37
	9	1.40	1.50	0.075	1.42
	9	1.45	1.10	0.075	1.08
	17	1.75	1.31	0.075	2.08
	7	1.30	1.25	0.075	0.85
	8	1.25	1.0	0.075	0.75
	12	1.84	1.25	0.075	2.07
	11	1.65	1.45	0.075	1.97
	8	1.70	1.41	0.075	1.44
	7	1.25	1.50	0.075	0.98
	9	1.65	1.22	0.075	1.36
	5	1.25	1.65	0.075	0.77
	8	1.85	1.45	0.075	1.60
	4	2.40	1.65	0.075	1.8
					1.19
					= 105.06

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				$\Delta P =$	$105.66 m^3$
	2	$1.30 \times 1.40 \times 0.675 =$			1.49
	7	$1.75 \times 1.75 \times 0.675 =$			1.15
	11	$1.70 \times 1.25 \times 0.675 =$			1.29
	15	$1.65 \times 1.25 \times 0.675 =$			2.51
	6	$1.60 \times 1.14 \times 0.675 =$			0.22
	15	$2.0 \times 1.90 \times 0.675 =$			4.27
	7	$2.10 \times 1.42 \times 0.675 =$			1.63
	14	$1.85 \times 1.50 \times 0.675 =$			2.91
	4	$1.53 \times 1.25 \times 0.675 =$			0.58
	6	$1.56 \times 1.70 \times 0.675 =$			1.19
	11	$1.50 \times 1.50 \times 0.675 =$			1.86
	5	$2.02 \times 1.92 \times 0.675 =$			1.32
	6	$2.20 \times 1.50 \times 0.675 =$			1.48
	8	$2.0 \times 2.55 \times 0.675 =$			3.06
	12	$1.0 \times 1.85 \times 0.675 =$			1.66
	10	$1.55 \times 1.50 \times 0.675 =$			1.74
	5	$1.85 \times 1.50 \times 0.675 =$			1.10
	3	$1.72 \times 1.35 \times 0.675 =$			0.58
	5	$1.85 \times 1.85 \times 0.675 =$			1.28
	12	$1.42 \times 1.42 \times 0.675 =$			2.23
	6	$1.50 \times 1.25 \times 0.675 =$			0.91
	7	$1.65 \times 1.55 \times 0.675 =$			1.34
	6	$1.50 \times 0.85 \times 0.675 =$			0.57
	10	$0.60 \times 1.0 \times 0.675 =$			0.45
	6	$1.65 \times 1.0 \times 0.675 =$			0.74
	6	$1.50 \times 1.30 \times 0.675 =$			0.87
					$= 144.29 m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				$B.P. =$	144.29 m^2
3x	1.78	x 0.45	x 0.075	=	0.18
7x	2.10	x 0.35	x 0.075	=	0.38
9x	1.40	x 1.25	x 0.075	=	2.0
5x	1.55	x 1.50	x 0.075	=	0.87
				=	147.72 m^2
				Lim. fact 0.4 =	144.87 m^2

Record Entry

1) Providing and applying

primer coat with

bitumen emulsion SS-1

- - - all Comp. jobs

Area as per schedule (3)

vide p.w.D. (6) p.m. 15.

144.87 m^2

0.075

$- 1931.60 \text{ m}^2$

~~2~~

Scanned by CamScanner

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
2/6) providing laying and rolling of close-graded premix surface material of 20mm thickness - all comp.					
Area as per plan -					
2 (W.A.B) vide P No. (6)					
3					
T.M.B.					
144.87 m ²					
0.075					1931.60
Record entry -					
1/7) providing and laying					
Semi dense bituminous					
concrete (S.D.B.C.)					
- - - all comp.					
20.0 (11.50 + 6.0 + 4.0 + 3.75)					126.25 m ²
4					
15 x 30.0 x 3.75					1687.50
15 x 30.0 x 3.75					1687.50
15 x 30.0 x 3.75					1687.50
15 x 30.0 x 3.75					1687.50
3 x 30.0 x 3.75					337.50
1 x 17.0 x 3.75					63.75
1 x 16.0 (3.75 + 4.0 + 3.75)					61.33
3					
15 x 30.0 x 3.75					1687.50
					9026.33 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF + 9076.33m ²
		7 x 30.0 x 3.75			= 787.50
		9 x 3.75			= 33.75
		1 x 20.0 (3.75 + 4.40 + 3.75)			= 79.33
			3		
		1 x 15.0 x 3.75			= 56.25
					= 9983.16
					9983.16 x 0.025 = 249.58m ³

2)
18) providing and fixing
of typical m.m.w.s.
informational signboard

4.3.21
02
[Signature]
4/03/21
JE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
157 on A/C Bill ABSTRACT of cost					
Name of work - Const of Road and C.D. work with maintenance for Bathnaka Bazar to Trikauli pa. {under MR (3050)}					
Name of Agency - Rajesh Kumar					
AGSN - MRD/SRD - 18 of 2020-21					
① clearing and grubbing road land.					
Qty side p.m. (1) T.M.H.					
0.5294 = C.E., 47456.70 / 10000					26204.6 26.184
(2) w.B.M. Gr-B 3 providing laying spreading and compacting Stone Metal Gr-B - - - 911 cost					
Qty side p.m. (6) T.M.H.					
144.87 M ² E, 3379.91 M ² - 1					489648.5
3/4 providing and applying prime coat with bitumen emulsion SS-II (C) Qty side p.m. (7) T.M.H.					
11914.76 M ² E, 1931.60 M ² E, 41.28 M ² - 4					79736.2 595588.4

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.P.P. 575 582.00
5) providing and applying					
dark coat with					
bitumen emulsion P.S.1					
Qty vide p.no (7) T.M.B.					
					11914.76 m ² @ 13 = 991 m ² = 8,16,660.70
6) providing laying and					
rolling of class-3 graded					
premix surfacing of					
20mm thick - all					
Qty vide p.no (8) T.M.B.					
					1931.60 m ² @ 198.80/m ² = 384002.00
7) providing and laying					
S.D.B.C 75mm					
thickness - all					
Qty vide p.no (9) T.M.B.					
					249.58 m ² @ 10138.94/m ² = 2530477.00
8) providing and fixing					
of typical M.M.G. 57/NR.					
informa tory beam					
Qty vide p.no (9) T.M.B.					
					210.5 @ 11190.49/ea = 22381.00
					R, 3699135.00
Add 170 Labour Cost + R					36991.00
Add 12% G.S.T					+ R, 443896.00
					R, 4180022.00

Continuation

Limit of Per Allotment is 25,67,880.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material Statement.					
I Stone Agg.					
W.R. No. 60-3-53m. to 22.5m.					
175.29 m ³ @ 458.22/m ³					
II Stone Screening - 34.77 m ³					
@ 345.52/m ³					
(ii) Stone chips					
13.26 by 0.09mm - 52.15 m ³					
@ 470.04/m ³					
III Stone chips.					
25mm to 47.5mm - 141.27 m ³					
@ 612.59/m ³					
1mm to 2.5mm - 141.27 m³					
2.5mm to 4.75mm - 141.27 m³					
4.75mm to below - 141.27 m³					
@ 207.92/m³, 528.94/m³					
4.75mm to below - 147.35 m ³					
@ 200.45/m ³					
(V) Bitumen - 14906 kg.					
32468.00					
(VI) Bitumen emulsion SS-1 - 1641.86 kg.					
(VII) Bitumen emulsion RS-1 - 3276.56 kg.					
Account of Bitumen and emulsion					
Bitumen emulsion - SS-1 and RS-1.					
From Virash Enterprises					
Invoice No. VIV 00052 ^{ad} 27.8.2020 - 4000.00					
Used in work (-) 3276.56					
Balance by = 723.44 kg					
Bitumen emulsion - RS-1 - 2000 kg					
Used in work - 1641.86 kg					
= 358.14 kg.					

Continuation

71C Bule
Total value
Gilt value is 25,67,880

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
vs No					date
<u>Memo of Payment</u>					
S.D.S.V.		65			128,394
O.T.V.		83			25,679
CAST V.		16			25,679
C. CAST V.		15			25,679
L. C. CAST V.		15			25,679
S.F.		15			30,000
Royalty		15			1,00,000
Total is				3,61,110	
Pay by CFMS is				22,06,770	
Total is				25,67,880	
Total is 25,67,880 - Twenty					
five lacs sixty seven thousand					
eight hundred eighty) only and					
Pay by CFMS is 22,06,770 - (Twenty					
two lacs six thousand seven					
hundred seventy) only					
Sanction No					
2003670658					
15/3/21					
Executive Engineer					
R.W.D. Works Division					
Sitamarhi					
12.3.21					
12.03.21					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
Name of work - Const. of road					
and C.D work with					
Maintenance for Bathnaka					
Bazar to Trikauli					
(Under M/R-3054)					
Name of Agency - Rajesh Kumar					
S/o Ss Ramchand Singh					
Agg No - SBD/18 of 2020-21					
Date of start - 07/08/2020					
Date of comp - 06/08/2021					

1/2) construction of sub					
grade and earthen					
shoulders - all L					
$2 \times 30 \times 30.0 \times 0.70 \times 0.30 = 378.00$					
$2 \times 30 \times 30.0 \times 0.70 \times 0.30 = 378.00$					
$2 \times 28 \times 30.0 \times 0.70 \times 0.30 = 352.80$					
$2 \times 7.0 \times 0.70 \times 0.30 = 2.94$					
					$= 1111.74 \text{ m}^3$
2/B) providing and fixing,					
R.C.C. 115 grade					
K.M. Stone - all $\frac{3}{8}$ m					
3/B) providing and fixing					
of 250 M Stone - all - 11 m					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. 10) Providing and fixing of redwood plank cautionary, mandatory and intermediary. Sikh board.					
(i) Common sawn timber triangle board.					12.14 m ²
5. 11) ii) 600mm Circular board					2.10 m ² 1.10 m ²
6. 12) iii) 600mm x 450mm rectangular board. (100)					11.11 m ²
7. 13) Providing and fixing of Boundary pillar.					
- - - all corp -					40.0
8. 14) planting of trees by the road side.					106 m ² 106.00 m ² 106.00 m ²
9. 15) providing and fixing of hot applied thermoplastic compound.					
2 x 30 x 30.0 x 0.10 =					180.0 m ²
2 x 30 x 30.0 x 0.10 =					180.0 m ²
2 x 28 x 30.0 x 0.10 =					168.0 m ²
2 x 7.0 x 0.10 =					1.40
2 x 4.0 x 9.5 x 2 =					8.
					= 529.40 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{10}{17}$) provisionally and laying of heat applied thermoplastic compound					
pedestrian crossing					
$5 \times 4 \times 0.5 \times 2$					8.0 m^2
$\frac{11}{18}$) provisionally and laying of typical M.M.G.S.Y					
informatory sign					
board - - - all in - 1 m					
$\frac{12}{19}$) Brick masonry work in cm (1:3) in parapet					
$2 \times 2 \times 6 \times 0.40 \times 0.60$					$= 5.76 \text{ m}^3$
$\frac{13}{20}$) plastering with cm (1:4) - - - all in					
Side face $2 \times 4 \times 6.0 \times 0.60$					$= 28.80 \text{ m}^2$
top - $2 \times 2 \times 6.0 \times 0.40$					$= 9.60$
front - $2 \times 4 \times 0.40 \times 0.60$					$= 1.92$
					$= 40.32 \text{ m}^2$
$\frac{14}{21}$) painting two coat on new surface					
$2 \times 4 \times 6.0 \times 0.60$					$= 28.80$
$2 \times 2 \times 6.0 \times 0.40$					$= 9.60$
$2 \times 4 \times 0.40 \times 0.60$					$= 1.92$
					$= 40.32 \text{ m}^2$

26/3/21
01

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	H	
4237.40 FT ² AT 6.27					
① Clearing and Grubbing					
wood land - all in					
Qty side p.m. (10) T.M.					
0.529 Hec ² or, 494.9670/m ² - 4 26124.0					
1) Construction of cut					
grade and earthwork					
Shoulder - all in					
Qty side p.m. (15) T.M.					
1111.74 m ² or, 176.75/m ² - 4 196500.0					
3) W.A.M. Gr-2					
and Compacting stone					
Metal. Gr 10 - all in					
Qty side p.m. (10) T.M.					
144.87 m ² or, 3379.91/m ² - 4 489648.0					
④ providing and applying.					
primer coat with					
bitumen emulsion.					
SS1 - all in					
Qty side p.m. (10) T.M.					
1931.60 m ² or, 41.28/m ² - 4 79732.0					
⑤ providing and applying					
1st coat - all in					
Qty side p.m. (10) T.M.					
11914.76 m ² or, 13299/m ² - 4 166627.0					
					8958755.0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) providing and laying					BF B 958755.0
rolls of close graded					
premium curbing					
all					
Qty vide p.no (11) T.M's					
1931.60 m ² @ 198.80/m ²					B 384002.0
7) providing and laying					
S.D.B.C. of 25mm thick					
all					
Qty vide p.no (11) T.M's					
249.58 m ² @ 10132.94/m ²					B 2536477.0
8) providing and fixing of					
Qty vide p.no (11) T.M's					
3 mwp @ 2437.76/m ²					B 7313.0
(9) providing and fixing					
of 200 mm stone - all					
Qty vide p.no (15) T.M's					
11.04 mwp @ 651.12/each					B 7163.0
(10) providing and fixing of					
redwood - table top and					
cautionary - - - etc.					
board - all					
Qty vide p.no (16) T.M's					
8 mwp @ 3629.99/each					B 29040.0

B 3916750.0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) .				BF B3	916750.0
(i) 600mm circular bed					
Qty vide p.no (16) T.M.S					
2 nos of EL 4855.67/each					9711.0
(12) (iii) 600mm x 450mm					
Rectangular bed					
Qty vide p.no (16) T.M.S					
6 nos of EL 4730.21/each					28381.0
13 providing and fixing of R.C.C.M.S boundary pillar -- all					
Qty vide p.no (16) T.M.S					
40 nos of EL 4735.77/each					19031.0
(14) (5) planting of trees by the road side -- all					
Qty vide p.no (16) T.M.S					
106 nos of EL 256.30/each					24832.0
(15) (16) providing and laying of hot applied thermo plastic compound.					
Qty vide p.no (16) T.M.S					
529.40 m ² EL 735.40/m ²					389321.0
(16) (17) providing and laying of hot applied thermo plastic compound.					
Qty vide p.no (16) T.M.S					
8.0 m ² EL 735.40/m ²					5883.0
					B 4454709.0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
17/12) Provisioning and fixing of typical (M.M.-G.S.J.) M/R intermediary Citizen and Maintenance bevel -					BF Rs 44547.69
Qty side p.m.c. (11) T.M.B					2.0 m
Qty side p.m.c. (17) T.M.B					1.0 m
					3.0 m
					Rs 11190.49/each x
18/19) Brick masonry work in C.M. (1:3) in parapet.					33571.0
Qty side p.m.c. (7) T.M.B					5.76 m ³
					Rs 5897.44/m ³ x
19/20) Plastering with C.M. (1:4) on new surface - all up					33969.2
Qty side p.m.c. (17) T.M.B					40.32 m ²
					Rs 189.04/m ² x
20/21) Painting two coat on new surface -					7622.0
Qty side p.m.c. (7) T.M.B					40.32 m ²
					Rs 86.94/m ² x
					3505.0
Add 140 Labour Cess +					Rs 4533376.0
Add 12% G.S.T					Rs 544005.0
					Rs 5122715.0

Continuation

20/3/21

20/3/21

Continuation

2nd on A/c Bill
Bill value is 25,54,835

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
vr No			hlo		
Memorandum of Payment					
8.55%		15		1,27,742	
9.71%		15		25,548	
SUST IV		15		25,548	
CUST IV		15		25,548	
6.0881%		15		25,548	
Royalty		15		29,642	
Total is				2,59,576	
Pay by CFMS is				22,95,259	
Total is				25,54,835	
Passes 2 for 25,54,835 - Twenty					
eight hundred thirty five only					
and Pay by CFMS is 22,95,259 -					
(Twenty two lacs ninety five					
thousand two hundred fifty					
nine) only					
				20/3/21	
				Executive Engineer	
				R.W.D. Works Division	
				Sitamachi	
				20/3/21	
				20/3/21	
Sanction No					
2003728024					
for					
20/3/21					

Continuation