

प्रमाणित किया जाना
 है कि मापी पुल में मशीन
 की व 100 एक से पुल है
 जिसे श्री बाबूलाल प्रसाद
 40 नं० गामगा कार्य विभाग
 कार्य 896 प्रमवल यथा है
 के पदनाम से निर्गम किया
 गया है

Amge
 कार्यपालक अभियन्ता
 ग्रामीण कार्य विभाग
 कार्य प्रमवल पकडीतमल
 4-2-20 1.2.20

Sch. XLV—Form No. 134

R-w.D PAKRIDAYAL DIVISION
 PATAH SUB-DIVISION

Measurement Book

No.

835

Name of Officer _____

Date of first entry _____

IST on A/c Bill

1

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.	
N/w- Constr ⁿ of Road from					
Champapur Jaimangal Rai					
House To Mirzapur Siwan					
under - M/R-3054 (Nmp-2018)					
Block - Patahi					
Agency - S.K. Builders					
c/o - Sanjeev Kumar					
AT-mahamad, P.S-Patahi					
Distt - East Champaran					
Agreement No - 25MBD/2019-20					

Date of Work order - 15-2-2020					
Date of completion - 14-11-2020					
Item of Work					
1. clearing and Grubbing					
Road land - - - - - E/I					
2x 10m x 30m x 0.765 = 459.0m ²					
2x 10 x 30m x 0.765 = 459.0					
3x 10 x 30m x 0.765 = 459.0					
2x 10 x 30m x 0.765 = 459.0					
2x 3 x 30m x 0.765 = 137.7					
2x 1 x 10m x 0.765 = 15.3					
					1989.0m ²
					Hect = 0.199

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2. Constr ⁿ of G.S.B. Gr-II by					
Providing well grade of					
material - - - - - E/I					
3 Nos x 4.40m x 3.10 x 0.10 = 4.092m ³					
4 x 4.30 x 2.70 x 0.10 = 4.644m ³					
2 x 4.90 x 2.10 x 0.10 = 2.058					
3 x 6.10 x 1.50 x 0.10 = 2.745					
1 x 7.0 x 1.00 x 0.10 = 0.70					
2 x 3.80 x 3.20 x 0.10 = 2.432					
5 x 3.40 x 1.60 x 0.10 = 2.72					
4 x 3.20 x 2.0 x 0.10 = 2.56					
7 x 2.20 x 1.10 x 0.10 = 1.694					
1 x 1.80 x 0.75 x 0.10 = 0.135					
2 x 1.90 x 1.20 x 0.10 = 0.456					
4 x 2.20 x 0.80 x 0.10 = 0.704					
2 x 1.40 x 0.75 x 0.10 = 0.21					
2 x 1.0 x 0.90 x 0.10 = 0.18					
3 x 1.10 x 1.70 x 0.10 = 0.561					
2 x 3.80 x 3.20 x 0.10 = 2.432					
5 x 3.40 x 1.60 x 0.10 = 2.72					
4 x 3.20 x 2.0 x 0.10 = 2.56					
7 x 2.20 x 1.10 x 0.10 = 1.694					
1 x 1.80 x 0.75 x 0.10 = 0.135					
2 x 1.90 x 1.20 x 0.10 = 0.456					
4 x 2.20 x 0.80 x 0.10 = 0.704					
2 x 1.40 x 0.75 x 0.10 = 0.21					
2 x 1.0 x 0.90 x 0.10 = 0.18					
3 x 1.10 x 1.70 x 0.10 = 0.561					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	4	4.30	2.70	0.10	4.644 ³
	1	6.25	2.20	0.10	1.375
					T = 43.562 ³

3. P/v Laying Spreading and

Compacting Stone Aggregate

material W.B.M. Gr-II --- 6/r

3	4.75	3.10	0.075	3.313 ³
4	4.30	2.90	0.075	3.741
2	5.80	2.30	0.075	2.001
3	6.40	1.50	0.075	2.16
2	7.90	1.0	0.075	1.185
3	4.70	3.60	0.075	3.807
5	3.60	1.75	0.075	2.362 ³
4	5.50	2.30	0.075	3.795
7	3.20	1.30	0.075	2.184
1	1.90	0.80	0.075	0.114
2	2.20	1.75	0.075	0.577
4	3.50	0.90	0.075	0.945
2	4.40	0.75	0.075	0.495
2	1.90	0.90	0.075	0.256
5	1.80	1.90	0.075	1.282
3	4.70	3.60	0.075	3.807
5	3.60	1.75	0.075	2.362
4	5.50	2.30	0.075	3.795
7	3.20	1.30	0.075	2.185
1	1.90	0.80	0.075	0.114

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x	2.20 x	1.75 x	0.075	20.577m ³
	4 x	3.50 x	0.90 x	0.075	20.945
	2 x	1.40 x	0.75 x	0.075	0.157
	2 x	1.90 x	0.90 x	0.075	0.256
	3 x	1.80 x	1.90 x	0.075	0.769
	4 x	4.00 x	2.70 x	0.075	3.483
					2.43
				T =	45.615m ³

4. Paving spreading and
compacting Stone Aggregate
material W.B.M - Gr - III
----- E/I

	3 x	5.30 x	3.30 x	0.075	3.935m ³
	4 x	4.90 x	3.10 x	0.075	4.557
	2 x	5.80 x	2.40 x	0.075	2.088
	3 x	6.50 x	1.75 x	0.075	2.559
	2 x	7.90 x	1.30 x	0.075	1.540
	3 x	6.20 x	3.60 x	0.075	5.022
	5 x	3.80 x	1.90 x	0.075	2.707
	4 x	6.10 x	2.40 x	0.075	4.392
	7 x	3.50 x	1.50 x	0.075	2.756
	1 x	2.20 x	1.20 x	0.075	0.198
	2 x	2.40 x	1.80 x	0.075	0.648
	4 x	4.50 x	1.50 x	0.075	2.025
	2 x	4.90 x	0.90 x	0.075	0.661
	2 x	2.40 x	1.30 x	0.075	0.468

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	5	2.30	2.10	0.075	1.811m^3
	5	7.50	2.40	0.075	6.75
	3	6.20	3.60	0.075	5.022
	5	3.80	1.90	0.075	2.707
	4	6.10	2.40	0.075	4.392
	7	3.50	1.50	0.075	2.756
	1	2.20	1.20	0.075	0.198
	2	2.40	1.80	0.075	0.648
	4	4.50	1.50	0.075	2.025
	3	2.80	1.10	0.075	0.693
	2	2.20	1.75	0.075	0.577
	3	2.40	2.50	0.075	1.35
	4	4.50	2.90	0.075	3.915

	2	6.20	2.50	0.075	2.325
	3	6.90	1.80	0.075	2.794
	1	7.20	1.30	0.075	0.702
	2	7.90	1.30	0.075	1.540
					73.761m^3
					Unit: 73.66m^3

5. P/v and applying primer coat

With bitumen emulsion

SSI - - - - - E/x

Same measurement

for w.B.M Gr-III atty

$$73.66\text{m}^3 / 0.075\text{m} = 982.13\text{m}^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6. P/V and applying Tack coat					
With bitumen emulsion					
RSI — — — — E/I					
Same measurement					
for Prime coat of $982.13m^2$					
7. P/V laying and rolling of					
Close graded Premix Surfa					
cing material 20mm thickness					
M.S.S — — — — E/I					
Same measurement					
for Prime coat of $982.13m^2$					

8. P/V and applying Tack coat					
With bitumen emulsion					
RSI — — — — E/I					
1 No x 10m x $\frac{8.0+3.75}{2}$					$58.75m^2$
10 x 30m x 3.75					$= 1125.0$
1 x 30m x 3.75					$= 112.5$
10 x 30m x 3.75					$= 1125.0$
10 x 30m x 3.75					$= 1125.0$
10 x 30m x 3.75					$= 1125.0$
10 x 30m x 3.75					$= 1125.0$
1 x 30m x 3.75					$= 112.5$
					$= 5908.75m^2$
Curve (Extra width)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8 Nos x 15m x $\frac{0.60 + 0.40}{2} =$					60.0 m ²
			2		
				T =	5968.75 m ²
9. P/V and Laying S.D.B.C With					
100-120 TPH batch Type					
HMP and 25 mm thick					
E/I					
Same measurement					
for Tack coat (Item No-8)					
Qty —					
					5968.75 m ² x 0.025 = 149.218 m ³

10. P/V and Laying of hot app-					
Lied thermoplastic compound					
2.5 mm thick Road marking					
2 x	10 x	30.0m x 0.10 =	60.0 m ²		
2 x	1 x	30m x 0.10 =	6.0		
2 x	1 x	10m x 0.10 =	2.0		
2 x	10 x	30m x 0.10 =	60.0		
2 x	10 x	30m x 0.10 =	60.0		
2 x	10 x	30m x 0.10 =	60.0		
2 x	10 x	30m x 0.10 =	60.0		
2 x	1 x	30m x 0.10 =	6.0		
				T =	314.0 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11. constr ⁿ of subgrade and earthen shoulders up to 1000 m lead — E/I					
	2 x 10 x 30m	0.765	0.30		$= 137.7 m^3$
	2 x 10 x 30m	0.80	0.35		$= 168.0$
	2 x 10 x 30m	0.80	0.35		$= 168.0$
	2 x 10 x 30m	0.75	0.30		$= 135.0$
	2 x 10 x 30m	0.765	0.30		$= 137.7$
	2 x 2 x 30m	0.70	0.35		$= 29.4$
					$T = 775.8 m^3$

12. Brick masonry work in cement mortar 1:3 in Parapet wall — E/I					
	2 x 6.0m	0.40	0.60		$= 2.88 m^3$
	2.88 m ³ x 3 nos				$= 8.64 m^3$
13. Plastering with cement mortar (1:4) on brick work in substructure — E/I					
Side face -	4 x 6.0 x 0.60				$= 14.40 m^2$
Top -	2 x 6.0 x 0.40				$= 4.80 m^2$
Front face -	4 x 0.40 x 0.60				$= 0.960 m^2$
					$20.16 m^2$

Continuation

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
1/1 clearing and grubbing road land --- E/I					
0.199 Hect Vide TMB, P- 1					
@ Rs 51133 = 76/Hect = 10176200					
2/3 constrn of Granular sub-base by providing well graded material --- E/I					
43.56 m ³ Vide TMB, P- 3					
@ Rs 2054 = 40/m ³ = 89490200					
3/4 P/V Laying spreading and compacting stone Aggregate W.B.M. Corr-II as per --- E/I					
45.615 m ³ Vide TMB, P- 4					
@ Rs 3709 = 44/m ³ = 169206200					
4/5 P/V Laying spreading and compacting stone Aggregate W.B.M. Corr-III as per --- E/I					
73.66 m ³ Vide TMB, P- 5					
@ Rs 3421 = 59/m ³ = 252034200					
5/6 P/V and applying primer coat with bitumen-					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
emulsion SS1—E/I					
982.13m ² Vide TMB, P-5					
@ Rs 44229/m ²					2 43498200
6/8 P/V and applying Tack					
coat with bitumen					
emulsion RS1—E/I					
982.13m ² Vide TMB, P-6					
5968.75m ² Vide TMB, P-7					
6890.88m ²					10475020
6950.88m ²					@ Rs 15207/m ² 2 103846200
7/7 P/V laying and rolling					
of close graded Pre					
mix Surfacing					
material—E/I					
982.13m ² Vide TMB, P-6					
21275/m ²					208948200
@ Rs 44229/m ²					43498200
8/9 P/V and Laying S.D.B.					
C with 100-120 TPH					
batch type HMP and					
25mm thickness					
as per —E/I					
149.218m ³ Vide TMB, P-7					
@ Rs 1375977/m ³					205320520
9/21 P/V and laying of hot app-					
lied thermoplastic					
compound 2.5mm thick					
as per —E/I					
314.0m ² Vide TMB, P-7					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10/2 constrn of Subgrade and earthen Shoulders as per ——— E/I					
775.8m ³ Vide TMB, P- 8					
@Rs 174=58/m ³ ———					233236 ²⁰⁰
11/23 Brick masonry work in cement-mort ar 1:3 in Parapet as per ——— E/I					
8.64m ³ Vide TMB, P- 8					
@Rs 6070=48/m ³ ———					136991 ²⁰⁰
12/24 Plastering with cement mortar (1:4) on brick work as per ——— E/I					
60.48m ² Vide TMB, P- 9					
@Rs 178=97/m ² ———					52448 ²⁰⁰
13/25 Painting Two coat including Primer coat after filling the surface as per ——— E/I					
175.68m ² Vide TMB, P- 9					
@Rs 108=98/m ² ———					19145 ²⁰⁰
14/11 P/V and fixing R.C.C.M.S Grade K.M local Stone ————— E/I					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3.0 Nos Vide TMB, P-9					
@ Rs 2465 = 50/Nos = 7396200					
15/12 P/V and fixing R.C.C.					
m/s grade 2.00 metre					
Stone ——— E/I					
7.0 Nos Vide TMB, P-9					
@ Rs 642224/Nos = 4495200					
16/13 P/V and fixing retroreflect					
orised Traffic sign					
direction board alper					
———— E/I					
1.92 m ² Vide TMB, P-9					
@ Rs 12828 = 37/m ² = 24630200					
17/15 P/V and fixing of 600mm					
equilateral Triangle					
board alper ——— E/I					
8.0 Nos Vide TMB, P-10					
@ Rs 3532 = 46/Nos = 28259200					
18/16 P/V and fixing of 600mm					
Circular board alper					
———— E/I					
8.0 Nos Vide TMB, P-10					
@ Rs 4846 = 47/Nos = 38741200					
18/17 P/V and fixing of 600mm					
x 450mm rectangle					
lar board ——— E/I					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6.0 Nos Vide TMB, P- 10					
					@ Rs 4138.53 / Nos = 24831.20
20/20 Planting of Trees by					
the road side is 0.60					
dia hole 1m deep					
dug as per					E/R
43.0 Nos Vide TMB, P- 10					
					@ Rs 819.97 / Each = 35256.20
21/22 P/v and fixing of Typi					
cal emergency informative					
Sign with logo board					
					E/R
3.0 Nos Vide TMB, P- 10					

					@ Rs 11482.54 / NH = 34447.00
					Rs 35820.36
Add labour cess 1%					Rs 35820.36
Add G.S.T 12%					Rs 429844.00
					Rs 4047700.00
Less 0.11% below (-)					Rs 4452.00
Limit as per allot					Rs 4043248.00
					Rs 2730000.00
Sale					
24/12/2020					24/12/2020
S.E					Am