

**कार्यपालक अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य प्रमंडल छपरा 2**

पत्रांक 451 (अनु०)

छपरा/दिनांक 05-03-2022

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, छपरा-2

सेवा में,

अपर मुख्य कार्यपालक पदाधिकारी,
बिहार ग्रामीण पथ विकास अभिकरण (ब्राडा),
बिहार, पटना।

विषय:-

नई अनुरक्षण नीति 2018 (Head - 3054) योजना मद में आवंटन उपलब्ध कराने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि नई अनुरक्षण नीति 2018 (Head - 3054) योजना अंतर्गत 01 (एक) पथ में राशि का अधियाचना विहित प्रपत्र में तैयार कर माप पुस्त की छायाप्रति एवं Bump Indecator का Reading संलग्न कर आवश्यक कार्रवाई हेतु समर्पित की जा रही है।

अतः अनुरोध है कि पत्र के साथ संलग्न अधियाचना प्रपत्र में अंकित राशि उपलब्ध कराने की कृपा की जाय ताकि संवेदक के विपत्र का भुगतान किया जा सके।

अनु०:- यथोक्त।

विश्वासभाजन

3.22
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, छपरा 2
05-03-22

Requisition Format for Scheme Head :- MR (3054) under Bihar Rural Road Maintenance Policy - 2018 (Initial Rectification and Surface Renewal)

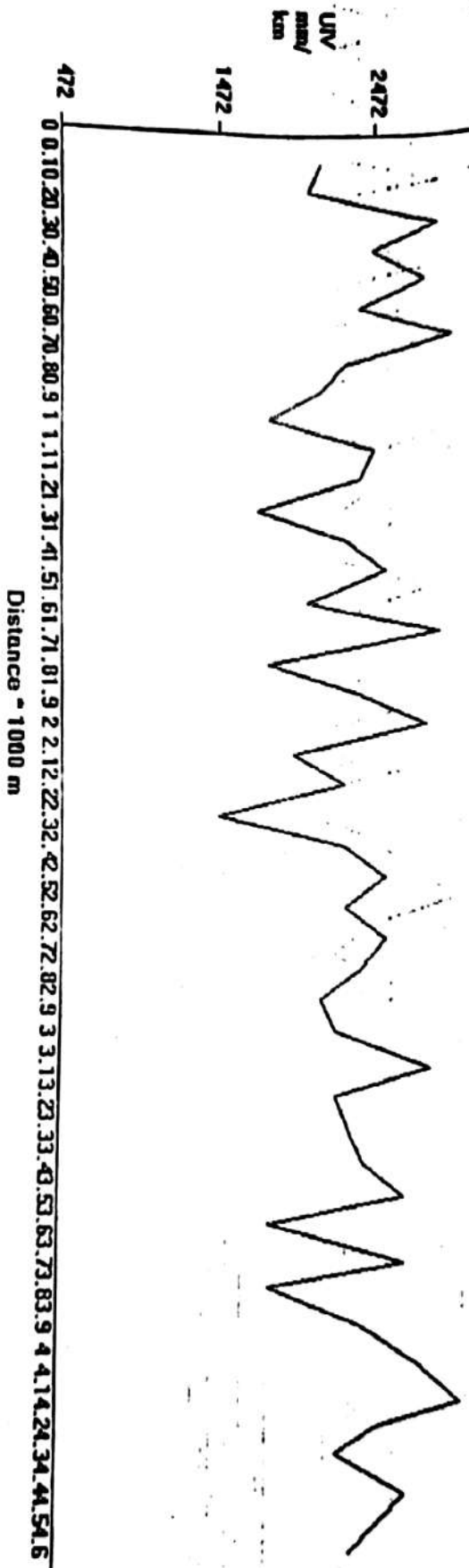
Name of Division :- Rural Works Department, Works Division, Chapra-2

Sl. No.	Package No.	Name of Road	Project ID as per MIS	Administrative Approval (AA) Letter No. & Date	Administrative Approval (AA)		Agreement Amount (In Lakh)		Agreement No. & Date	Date of Completion as per Agreement	Actual Date of Completion	Value of IRI (in mm/km)	Thickness of Bitumen Layer (in mm)	Value of Bitumen Content in Percentage	Previous Total Allotted Amount (in Lakh)	Up-to-date expenditure as per MIS (in Lakh)	Requisition against work done (in Lakh)	Remarks
					Length (In km)	Amount (In Lakh)	Initial Rectification with surface Renewal (In Lakh)	5 Years Routine Maintenance (In Lakh)										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	MR-N/19-20 Chapra-2/21	Shobhitpur to Bhatwariya	31306302077	Lt. No. 3388 Dated 02.08.19	4.600	149.01740	94.13275	45.44497	53/MBD/202 0-21	22.11.21	03.02.22	2338.065	25.00	5%	0.00	0.00	94.12971	MB No. 3459, Page No. 01 to 16


 5.2.22
 Executive Engineer
 Rural Works Department,
 Works Division, Chapra-2
 05.03.22

File : G:\03031922.Xls. Section No. : 25. Eqn : $Y = 0 \cdot X^2 + 0.016 \cdot X + 249$

Name of Customer : santoshi singh. Name of Work/ Road : shobhipur se bhatwalya. Lab Job number :



~~U Singh~~
03/07/2022
JE

RPGM
3-2-2022
AE

8
5-3-22
E.E.

Road Name- shobhipur se bhatwalia
Contractor Name -Santoshi Singh

	Average	Poor
<=4000	4001-5000	>5001

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MR-N/19-20 Chapra-2/21

PT. B. NO-3459

Schedule XLV-Form No. 134

Sobhipur to Bahatnawaliya.

Ag. No

Cont. Santoshi Singh.

DIVISION

Sri. Ram Pukar Singh. (A.E)

Lakhadpur

SUB-DIVISION

MEASUREMENT BOOK

PT. B. NO-3459

1st and final bill

1

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—	sobhitpur	To	Bhatwalia		
Agency—	Santoshi Singh				
Agreement no—	53 MBD	2020	21		
Date of start of work—	23	11	2020		
Date of completion—	22	11	2021		
Actual completion date—	03	10	2022		

Measurement

1. cont. of granular subbase					
do					
8 m	111		111		1113
8.42	X				
8.42 X	2.67	X	0.175	=	3.934
15.34 X	2.67	X	0.175	=	7.168
6.56 X	2.05	X	0.175	=	2.353
11.19 X	2.67	X	0.175	=	5.229
10.94 X	3.08	X	0.175	=	5.897
24.00 X	1.64	X	0.175	=	6.888
16.44 X	1.93	X	0.175	=	5.553
10.94 X	1.85	X	0.175	=	3.542
5.56 X	2.05	X	0.175	=	1.995
9.96 X	2.91	X	0.175	=	5.072

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5.75 x	2.91	x	0.175	=	2.928
19.08 x	2.05	x	0.175	=	6.845
16.73 x	2.83	x	0.175	=	8.286
6.10 x	1.23	x	0.175	=	1.313
5.75 x	2.50	x	0.175	=	2.516
11.19 x	2.50	x	0.175	=	4.896
5.30 x	1.64	x	0.175	=	2.382
5.75 x	2.67	x	0.175	=	2.687
16.73 x	2.58	x	0.175	=	7.554
12.50 x	2.67	x	0.175	=	5.841
			Total	=	92.876
					m ³

2.	WBM gr-II				
	Providing, laying, spreading and compacting stone				
	m	m	m	m	m ³
	9.67	x 2.71	x 0.075	=	1.965
	16.59	x 2.71	x 0.075	=	3.372
	7.81	x 2.09	x 0.075	=	1.224
	12.44	x 2.71	x 0.075	=	2.528
	12.19	x 3.12	x 0.075	=	2.852
	25.25	x 1.68	x 0.075	=	3.182
	17.69	x 1.97	x 0.075	=	2.614
	12.19	x 1.89	x 0.075	=	1.728
	6.81	x 2.09	x 0.075	=	1.067
	11.21	x 2.95	x 0.075	=	2.480

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7.00 x 2.95	x	x	0.075	=	1.549
20.33 x 2.09	x	x	0.075	=	3.187
17.98 x 2.87	x	x	0.075	=	3.870
7.35 x 1.27	x	x	0.075	=	0.700
7.00 x 2.54	x	x	0.075	=	1.334
12.44 x 2.54	x	x	0.075	=	2.370
9.55 x 1.68	x	x	0.075	=	1.203
7.00 x 2.71	x	x	0.075	=	1.423
17.98 x 2.62	x	x	0.075	=	3.533
13.95 x 2.71	x	x	0.075	=	2.835
23.23 x 1.89	x	x	0.075	=	3.293
7.00 x 2.87	x	x	0.075	=	3.659
6.30 x 2.09	x	x	0.075	=	0.988
					2.102
19.50 x 2.95	x	x	0.075	=	6.488
23.54 x 2.09	x	x	0.075	=	3.690
					2.162
9.67 x 2.71	x	x	0.075	=	1.965
					3.690
18.40 x 3.12	x	x	0.075	=	4.306
					1.965
17.98 x 1.68	x	x	0.075	=	2.265
					4.306
34.34 x 1.97	x	x	0.075	=	5.074
					2.265
24.83 x 1.89	x	x	0.075	=	3.520
					5.074
17.98 x 2.09	x	x	0.075	=	2.818
					3.520
11.21 x 2.95	x	x	0.075	=	2.480
					2.818
16.59 x 2.95	x	x	0.075	=	3.671
					2.480
11.54 x 2.09	x	x	0.075	=	1.809
					3.671
27.98 x 2.87	x	x	0.075	=	6.023
					1.809
25.19 x 1.27	x	x	0.075	=	2.399
					6.023

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2.92 X	2.54	X	0.075	=	0.556
8.15 X	3.22	X	0.075	=	1.968
			Total	=	97.603
					m ³

3. WBM gr - III

Providing, laying, spreading and compacting stone

m	m		m		m ³
12.17 X	2.66	X	0.075	=	2.428
19.09 X	2.66	X	0.075	=	3.505
10.31 X	2.04	X	0.075	=	1.577
14.94 X	2.66	X	0.075	=	2.921

14.69 X	3.07	X	0.075	=	3.382
27.75 X	1.63	X	0.075	=	3.392
20.19 X	1.92	X	0.075	=	2.907
14.69 X	1.84	X	0.075	=	2.027
9.31 X	2.04	X	0.075	=	1.4124
13.71 X	2.90	X	0.075	=	2.982
9.50 X	2.90	X	0.075	=	2.066
22.83 X	2.04	X	0.075	=	3.493
20.48 X	2.82	X	0.075	=	4.332
9.85 X	1.22	X	0.075	=	0.901
9.50 X	2.49	X	0.075	=	1.774
14.94 X	2.49	X	0.075	=	2.790
12.05 X	1.63	X	0.075	=	1.473

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1.50 x 2.66	x	0.075	=	1.845	
20.48 x 2.57	x	0.075	=	3.448	
16.45 x 2.66	x	0.075	=	3.282	
25.73 x 1.84	x	0.075	=	3.551	
14.50 x 2.82	x	0.075	=	4.124	
8.80 x 2.04	x	0.075	=	1.346	
12.00 x 2.90	x	0.075	=	2.610	
26.04 x 2.04	x	0.075	=	3.984	
12.17 x 2.66	x	0.075	=	2.428	
20.90 x 3.07	x	0.075	=	4.812	
20.48 x 1.63	x	0.075	=	2.504	
36.84 x 1.92	x	0.075	=	5.305	
27.33 x 1.84	x	0.075	=	3.772	
20.48 x 2.04	x	0.075	=	3.133	
15.71 x 2.90	x	0.075	=	2.932	
19.09 x 2.90	x	0.075	=	4.152	
14.04 x 2.04	x	0.075	=	2.148	
30.48 x 2.82	x	0.075	=	6.447	
27.69 x 1.22	x	0.075	=	2.534	
5.42 x 2.49	x	0.075	=	1.012	
14.04 x 2.45	x	0.075	=	2.580	
20.90 x 2.45	x	0.075	=	3.840	
17.03 x 3.07	x	0.075	=	3.921	
14.04 x 2.45	x	0.075	=	2.580	
27.69 x 1.84	x	0.075	=	3.821	
22.47 x 2.74	x	0.075	=	4.618	
32.15 x 2.45	x	0.075	=	5.908	

Continuation

Total = 136.975
m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. clearing and grubbing road land - do -					
$\frac{2 \times 184 \times 25 \times 1.0}{10000} = 0.92 = 0.92 \text{ hect}$					
5. const. of subgrade and earthen shoulders do -					
$2 \times 184 \times 25 \times 0.70 \times 0.30 = 1932 \text{ m}^3$					
6 Prime coat Providing and applying primer coat with bitumen emulsion (RS-1) do -					
Area used for prime coat is same as area used for WBM gr - III p- (4) item - (3)					
$\frac{136.975 \text{ m}^2}{0.075 \text{ m}} = 1826.33 \text{ m}^2$					
7 Tack coat Providing and applying tack coat with bitumen emulsion RS-1 do -					
Area used for tack coat is same as area used for prime coat p- 6 item - (6)					
$+ 2 \times 25 \times 3.75$					
Continuation $1826.33 + 187.50 = 2013.83 \text{ m}^2$					
Limit to 2006.33					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) kilometre stone					
(i) km stone - do -					
				ent =	6 No.
(ii) 200 m stone - do -					
				ent =	18 No.
(12) Direction and place identification signs					
do - do -					
2 x 1.20 x 0.80	2				1.92 m ²
(13) Retro-reflectorised traffic sign					
do - do -					
(i) 600 mm equilateral triangle - do -					
				ent =	20 No.
(ii) 600 mm circular board - do -					
				ent =	8 No.
(iii) 600 mm x 450 mm rectangular board					
				ent =	8 No.
(14) Boundary pillar					
do - do -					
				ent =	72 No.
(15) Planting of trees and by the road side					
do - do -					
				ent =	230 No.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) Road marking with hot applied thermoplastic					
do					
		2x184	x25	x0.1	= 920m ²
(17) Providing and fixing of typical masonry					
informational sign board					
do					
				not 2	4 NO.
(18) Brick masonry in cement mortar					
do					
R.P.C.		2x6.0	x0.40	x0.60	= 2.88m ³
for total no. of culvert = 6					
		∴ 6x2.88			= 17.28m ³
(19) Plastering with cement mortar - do					
		4x6.0	x0.60		= 14.40
		2x6.0	x0.40		= 4.8
		4x0.4	x0.60		= 0.960
				total	20.160m ²
for 6 No. of culvert					
		6x20.160			= 120.96m ²
(20) Painting two coats on new concrete surface					
do					

Continuation

[illegible]

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Abstract of cont

11

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. const. of granular subbase					
do					
ent = 92.876 m ³	P- (2)				
item - (1) @ Rs 2290.90/m ³					
				Rs	212770 =
(2) WBM gr - II					
Providing, laying, spreading and compacting same					
do					
ent = 97.603 m ³	P- (4)				
item - (2) @ Rs 4263.92/m ³					
				Rs	416176 =
(3) WBM gr - III					
do					
ent = 136.975 m ³	P- (5)				
item - (3) @ Rs 3810.61/m ³					
				Rs	521958 =
(4) clearing and grubbing road land					
do					
ent = 0.92 hect	P- (6)				
item - (4) @ Rs 49496.70/h					
				Rs	49496 =
				Rs	45537 =
(5) const. of subgrade and earthen shoulders					
do					
ent = 1932 m ³	P- (6)				
item - (5) @ Rs 176.96/m ³					
				Rs	341887 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Prime coat					
— do —					
ent =	1826.33 m ²	P- ⑥			
itm - ⑥ @ Rs	411.56/m ²	Rs	75902 =		
⑦ Tack coat					
— do —					
ent =	2006.33 m ²	P- ⑥			
itm - ⑦ @ Rs	14.09/m ²	Rs	282692		
⑧ Patch work over WBM					
— do —					
ent =	2006.33 m ²				
P- ⑧ itm - ⑧					
@ Rs	228.71/m ²	Rs	458867 =		
⑨ Tack coat					
— do —					
ent =	17250 m ²	P- ⑦			
itm - ⑨ @ Rs	12.25/m ²				
		Rs	211313 =		
⑩ Providing and Laying semidense bituminous concrete					
— do —					
ent =	431.25 m ³				
P- ⑩ itm - ⑩					
@ Rs	11041.84/m ³	Rs	4761794 =		
		Rs	4761794		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Kilometer stone					
(i) Km stone					
— do —					
ent =	6 No.	P-	(8)		
itm =	(11) @ Rs	(1)			
	@ Rs	2300.17/N	= Rs	13801 =	
ii) 200m stone					
— do —					
ent =	18 No.	P-	(8)		
itm =	11(ii) @ Rs	634.21/N			
			= Rs	11416 =	
(12) Direction and place					
identification signs					
— do —					
ent =	1.92 m ²	P-	(8)		
itm =	(12) @ Rs	12359.04			
			= Rs	23729 =	
(13) Retro-reflectorised					
traffic sign					
— do —					
(i) 600mm equilateral					
triangle — do —					
ent =	20 No.	P-	(8)		
itm =	13(i) @ Rs	3660.03			
			= Rs	73201 =	
(ii) 600mm circular					
— do —					
ent =	8 No.	P-	(8)		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
itm- 13 (ii) @ R 3759.38					
				= R	30075=
(iii) 600mm x 450mm					
rectangular board					
do					
ent = 8 No. P- (8)					
itm- 13 (iii)					
@ R 3630.26 / m = R					29042=
(14) Boundary pillar					
do					
ent = 32 No. P- (8)					
itm- (14) @ R 507.56					
				= R	36544=
(15) Planting of trees by the road side					
do					
ent = 230 No. 12 (8)					
itm- (15) @ R 800.30					
				= R	184069=
(16) Road marking with hot applied thermoplastic					
do					
ent = 920 m					
P- (9) itm- (16)					
@ R 735.40 / m = R					676568=

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Providing and fixing of typical masonry informative sign board do					
Qnt = 4 No. P- (9)					
Item - (17) @ Rs 9348.38					
				= Rs	37394 =
(18) Brick masonry work in cement mortar do					
Qnt = 17.28 m ³ P- (9)					
Item - (18) @ Rs 5102.55/m ³					
				= Rs	14695 =
				Rs	88172 =
(19) Plastering with cement mortar - do -					
Qnt = 120.96 m ² P- (9)					
Item - (19) @ Rs 148.69/m ²					
				= Rs	17985 =
(20) Painting two coats on new concrete surface do					
Qnt = 351.36 m ² P- (10)					
Item - (20) @ Rs 95.63/m ²					
				= Rs	33600 =
Total Rs					833006 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B11	R ₂	83	30064=
		Total P ₂	83	30064=	
Add GST-12%	(+)	R ₂	99	9607=	
Add Labour cum	1.10	R ₂	8	3300=	
		Total P ₂	94	12971=	
6/11/22 03/02/22 JE RPSm 3-2-2022 AE C.P. S-22 E.E.					

material statement		
① E/W	=	1932 m ³
② stone metal	=	355.157 m ³
③ Local sand	=	47.552 m ³
④ stone screening	=	58.965 m ³
⑤ Bitumen emulsion		
SS-1	=	1.5414 MT
⑥ Bitumen emulsion		
RS-1	=	4.410 MT
⑦ Bitumen material		
Ug-10	=	53.571 MT
⑧ coarse sand	=	4.753 m ³
⑨ Bricks	=	8640 No.
⑩ stone chips	=	617.682 m ³

6/11/22
 03/02/22
 JE

RPSm
 3-2-2022
 AE