

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

पत्रांक 1826 (अनु०)

छपरा/दिनांक 30/09/2022

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 Indicator 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

कार्यपालक अभियंता,

ग्रामीण कार्य विभाग,

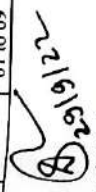
कार्य प्रमंडल, छपरा 2

A268
29/9/22

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

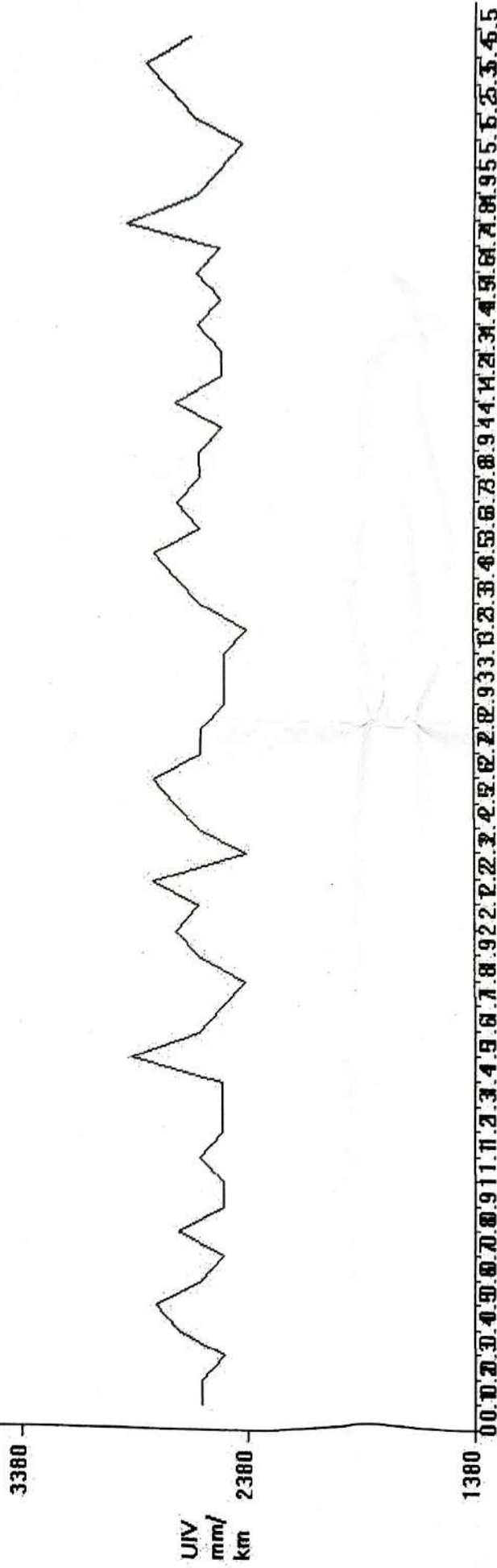
Name of Division :- Rural Works Department, Works Division, Chapra-2

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-2/14	Parsagarh to Manikpur	NEA220001889	Lt. No. 3388 Dated 02.08.19	5.850	194.22390	122.37240	58.62482	29/MBD/2020-21	11.08.21	BT Complete	2574.870	25.00	5%	0.00	0.00	0.00	101.76255	MB No. 3395, Page No.


 Executive Engineer
 Rural Works Department,
 Works Division, Chapra-2
25/12/22

File: D:\BUMP DATA SEPT 22\BACHCHA SINGH 23.09.2022\excel bachcha singh.xls, Section No.: 28, Eqn: Y = 0

Name of Customer: BACHCHA SINGH, Name of Work/ Road: PARSAGADH TO MANIKPUR, Lab Job number:




23/9/22
DR


23/9/22
DR


23/9/22
DR

CONT. NAME:-BACHCHA SINGH
ROAD NAME:- PARSAGADH TO MANIKPUR

Date	Time	Section No.	Length in km	Bumps in mm	Speed Rate	OR mm/km	IRI mm/km	CATEGORY	Latitude	Longitude	Event			
23/9/22	7:9:28	28	0.1	210	10.1	2100	2577 G	ROAD	26.020040	84.559822	Normal	$Y = 0 * X^2 + 0.984 * X + 510.7$		
23/9/22	7:9:50	28	0.1	210	10.1	2100	2577 G		26.020040	84.559822	Normal	$X = 0$		
23/9/22	7:10:0	28	0.1	200	10.1	2000	2478 G		26.020041	84.559887	Normal	$Y = 510$		
23/9/22	7:10:25	28	0.1	220	10.1	2200	2675 G		26.020044	84.559899	Normal			
23/9/22	7:10:25	28	0.1	230	10.1	2300	2773 G		26.020044	84.559899	Normal			
23/9/22	7:11:1	28	0.1	210	10.1	2100	2577 G		26.020046	84.559752	Normal	(R) RURAL ROAD		
23/9/22	7:11:36	28	0.1	200	10.1	2000	2478 G		26.020052	84.559563	Normal	Good	Average	Poor
23/9/22	7:11:36	28	0.1	220	10.1	2200	2675 G		26.020058	84.559621	Breaker	<4000	4001-5000	>5001
23/9/22	7:12:11	28	0.1	180	10.1	2000	2478 G		26.020023	84.559795	Normal			
23/9/22	7:12:11	28	0.1	200	10.1	2000	2478 G		26.020060	84.559693	Normal			
23/9/22	7:13:0	28	0.1	210	10.1	2100	2577 G		26.020422	84.561289	Normal			
23/9/22	7:13:22	28	0.1	180	10.1	2000	2478 G		26.020864	84.560000	Normal			
23/9/22	7:13:22	28	0.1	200	10.1	2000	2478 G		26.021047	84.562264	Normal			
23/9/22	7:14:0	28	0.1	180	10.1	2000	2478 G		26.021246	84.562785	Normal			
23/9/22	7:14:0	28	0.1	240	10.1	2400	2872 G		26.021650	84.564298	Normal			
23/9/22	7:14:32	28	0.1	210	10.1	2100	2577 G		26.021856	84.564189	Normal			
23/9/22	7:15:0	28	0.1	200	10.1	2000	2478 G		26.022084	84.564883	Normal			
23/9/22	7:15:7	28	0.1	190	10.1	1900	2380 G		26.022114	84.564623	Normal			
23/9/22	7:15:42	28	0.1	210	10.1	2100	2577 G		26.022133	84.564901	Normal			
23/9/22	7:16:0	28	0.1	220	10.1	2200	2675 G		26.023156	84.565246	Normal			
23/9/22	7:17:0	28	0.1	210	10.1	2100	2577 G		26.024596	84.565733	Normal			
23/9/22	7:17:28	28	0.1	230	10.1	2300	2773 G		26.024605	84.565721	Breaker			
23/9/22	7:18:3	28	0.1	190	10.1	1900	2380 G		26.024631	84.565713	Normal			
23/9/22	7:18:3	28	0.1	210	10.1	2100	2577 G		26.025356	84.565912	Normal			
23/9/22	7:18:38	28	0.1	220	10.1	2200	2675 G		26.026221	84.566104	Normal			
23/9/22	7:19:14	28	0.1	230	10.1	2300	2773 G		26.026897	84.566546	Normal			
23/9/22	7:19:14	28	0.1	210	10.1	2100	2577 G		26.027645	84.566985	Normal			
23/9/22	7:20:0	28	0.1	210	10.1	2100	2577 G		26.028924	84.567256	Normal			
23/9/22	7:20:0	28	0.1	200	10.1	2000	2478 G		26.030495	84.568796	Normal			
23/9/22	7:20:24	28	0.1	180	10.1	2000	2478 G		26.031256	84.569125	Normal			
23/9/22	7:21:0	28	0.1	200	10.1	2000	2478 G		26.031917	84.569798	Normal			
23/9/22	7:21:0	28	0.1	190	10.1	1900	2380 G		26.032235	84.569951	Normal			
23/9/22	7:21:35	28	0.1	210	10.1	2100	2577 G		26.032832	84.570419	Normal			
23/9/22	7:22:0	28	0.1	220	10.1	2200	2675 G		26.032624	84.570406	Normal			
23/9/22	7:22:10	28	0.1	230	10.1	2300	2773 G		26.032785	84.570395	Normal			
23/9/22	7:23:0	28	0.1	210	10.1	2100	2577 G		26.032894	84.570856	Normal			
23/9/22	7:23:21	28	0.1	220	10.1	2200	2675 G		26.033561	84.580158	Normal			
23/9/22	7:24:0	28	0.1	210	10.1	2100	2577 G		26.034503	84.580982	Curve			
23/9/22	7:25:29	28	0.1	210	10.1	2100	2577 G		26.034723	84.571025	Normal			

23/9/22

23/9/22

23/9/22

CONT. NAME:-BACHCHA SINGH
ROAD NAME:- PARSAGADH TO MANIKPUR

Date	Time	Section No.	Length in km	Bumps in mm	Speed Rate	OR mm/km	IRI mm/km	CATEGORY	Latitude	Longitude	Event
23/9/22	7:25:29	28	0.1	200	10.1	2000	2478 G	ROAD	26.034997	84.571226	Normal
23/9/22	7:26:4	28	0.1	220	10.1	2200	2675 G		26.035245	84.571289	Normal
23/9/22	7:26:4	28	0.1	180	10.1	2000	2478 G		26.035569	84.571326	Normal
23/9/22	7:26:40	28	0.1	200	10.1	2000	2478 G		26.035992	84.571387	Normal
23/9/22	7:27:0	28	0.1	210	10.1	2100	2577 G		26.036124	84.571487	Normal
23/9/22	7:27:14	28	0.1	180	10.1	2000	2478 G		26.036156	84.571456	Normal
23/9/22	7:27:14	28	0.1	210	10.1	2100	2577 G		26.036219	84.571446	Normal
23/9/22	7:27:49	28	0.1	180	10.1	2000	2478 G		26.036325	84.572689	Normal
23/9/22	7:28:0	28	0.1	240	10.1	2400	2872 G		26.036457	84.574287	Normal
23/9/22	7:28:24	28	0.1	210	10.1	2100	2577 G		26.036606	84.575639	Normal
23/9/22	7:28:24	28	0.1	200	10.1	2000	2478 G		26.036879	84.578456	Normal
23/9/22	7:29:0	28	0.1	190	10.1	1900	2380 G		26.036906	84.579782	Normal
23/9/22	7:29:0	28	0.1	210	10.1	2100	2577 G		26.037113	84.580655	Normal
23/9/22	7:29:35	28	0.1	220	10.1	2200	2675 G		26.037649	84.576823	Normal
23/9/22	7:30:10	28	0.1	230	10.1	2300	2773 G		26.038519	84.576237	Normal
23/9/22	7:30:10	28	0.1	210	10.1	2100	2577 G		26.038545	84.576289	Normal
AVERAGE							2574.87				

$$Y = 0 * X^2 + 0.984 * X + 510.7$$

23/9/22
Ruh

23/9/22
AB

23/9/22
JE

JKR-N/19.20C Chapra-2/14

JKR-N/19-3395

Schedule XLV-Form No. 134

प्रमाणित है कि माफिकपुर पंच ।

प्रमाणित है । 29/SEP/20-21

प्रमाणित है । 29/SEP/20-21

प्रमाणित है । 29/SEP/20-21

DIVISION

SUB-DIVISION

प्रमाणित

MEASUREMENT BOOK

JKR-N/19-3395

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-	Parsagarh To				
	manikpur				
Agency -	Bachcha Singh				
Agreement no -	27 SBD/2020-21				
Date of start of work -	12/08/20				
Date of completion -	11/08/21				
	Measurement				

1. const. of granular subbase
 do

4X15X	3.3	X	0.175	=	34.65m ³
6X13X	3.20	X	0.175	=	43.68m ³
5X10X	3.40	X	0.175	=	29.75m ³
10X10X	3.0	X	0.175	=	52.50m ³
			Total		160.58m ³
			Limit to		150.252m ³

2. WBM gr-II

Providing, laying
 spreading and compacting
 stone aggregates
 do

8X16X	3.40	X	0.075	=	32.64m ³
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
13X14X	3.30	0.075			45.045 ³
9X11X	3.50	0.075			25.987 ³
15X12X	3.2	0.075			43.20 ³
				Total	146.872 ³
				Limit to	138.641 ³

3. WBM gr - III

Providing, laying, spreading
and compacting stone
aggregates - do -

8X16X	3.40	0.075			32.64 ³
13X14X	3.30	0.075			45.045 ³
9X11	3.50	0.075			25.987 ³

15X12X	3.2	0.075			43.20 ³
12X11X	3.0	0.075			29.70 ³
15X9X	2.90	0.075			29.362 ³
2X13.5X	3.25	0.075			6.581 ³
				Total	212.515 ³
				Limit to	211.187 ³

(4) clearing & grubbing

road canal

- - - do - - -

$$2 \times 220 \times 2.5 \times 1.0 = 11000 \text{ m}^2$$

$$\frac{11000}{10000} = 1.10 \text{ hect}$$

$$\therefore \text{ent} = 1.10 \text{ hect}$$

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5. const. of subgrade & earthen shoulder					
do					
2X 220X25X0.7X0.30 = 2310 m ³					
∴ ant = 2310 m ³					
(6) Prime coat					
do					
Providing and applying primer coat with bitumen emulsion (SS-1) - do					
Area used for prime coat is					
same as area used for WBM gr-II					
Page - (2) item - (3)					
= 211.187 m ³					
0.075 m					
= 2815.826 m ²					
2815.826 m ²					
∴ ant = 2815.826 m ²					
(7) Tack coat					
Providing & applying tack coat with bitumen emulsion (RS-1)					
do					
Area used for tack coat is same as					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
area used for prime coat	Page - (3)				
+ 2 x 30' x 3.75m					
= 2815.826m ²					
= 3040.826m ²					
Limit to 3018.33m ²					
					∴ ant = 3018.33m ²

(8) Patch work over					
WBrn using mix seal					
surface - do -					
Area used for					
ms is same as					
area used for					
tack coat Page - (4)					
item - (7)					= 3018.33m ²
					∴ ant = 3018.33m ²

(9) Tack coat					
- - - do -					
Providing and applying					
tack coat with bitumen					
emulsion (RS-1)					
- - - do -					
100 x 25 x 3.75 =					9375m ²
100 x 25 x 3.80 =					9500m ²
4 x 25 x 3.75 =					375m ²
4 x 25 x 3.70 =					370m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	8	25	3.75	=	750 m ²
	3	25	3.85	=	288.75 m ²
	2	25	3.50	=	87.50 m ²
	Total				20746.25 m ²

⑩ Semi-dense bituminous concrete

Providing and laying semi-dense bituminous concrete - do -

Area used for SDBC is same

as area used for

tack coat Page - ⑤

item - ⑨ = 20746.25 m²

∴ amt = 20746.25 m² × 0.025 m

= 518.656 m³

∴ amt = 518.656 m³

⑪ Planting of trees and
kha by the road
side - do -

amt = 20 No.

⑫ Providing & fixing of
typical mmbr
informatory sign

Material statement

- ① $E/W = 2310 m^3$
- ② metal stone aggregates = $538.684 m^3$
- ③ Local sand = $76.929 m^3$
- ④ stone screening = $87.562 m^3$
- ⑤ Bitumen emulsion (SS-1) = $2.3813 MT$
- ⑥ Bitumen emulsion (RS-1) = $5.4513 MT$
- ⑦ Bitumen material (UG-10) = $65.5797 MT$
- ⑧ stone crushed aggregates = $820.911 m^3$

Enclosures.

- Enclosures:
1. Bump Indicator readings attached in file
 2. Bitumen Invoice no. 5213101859 attached in file

Continuation

5213101860, 5213101857, 5213101846, 521310182

521310189

25/09/22

Abstract of cost

7

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. const. of granular subbase - - do - -					
amt = 150.252 m ³					
Page - (1) item - (1)					
@ Rs 2281.71/m ³ = Rs 342831 =					
(2) WBM gr - II					
- - - do - - -					
amt = 138.641 m ³					
Page - (2) item - (2)					
@ Rs 4244.40/m ³ = Rs 588448 =					
(3) WBM gr - III					
- - - do - - -					
amt = 211.187 m ³					
Page - (2) item - (3)					
@ Rs 3793.25/m ³ = Rs 801085 =					
(4) clearing & grubbing road land					
- - - do - - -					
amt = 1.10 hect					
Page - (2) item - (4)					
@ Rs 49496.70/h = Rs 54446 =					
(5) const. of subgrade & earthen shoulder					
- - - do - - -					

P.T.O
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ent- 2310 m ³ Page-(3)					
itm- (5) @ Rs 176.96/m ³					
					= Rs 408778:-
(6) Primo coat					
do					
ent- 2815.826 m ²					
Page-(3) itm- (6)					
@ Rs 41.55/m ² = Rs 116998:-					
(7) Tack coat					
do					
ent- 3018.33 m ²					
Page-(4) itm- (7)					
@ Rs 14.09/m ² = Rs 42528:-					
(8) Patch work over WBM using M.S.S					
do					
ent- 3018.33 m ²					
Page-(4) itm- (8)					
@ Rs 228.36/m ² = Rs 689265:-					
(9) Tack coat					
do					
ent- 20746.25 m ²					
Page-(5) itm- (9)					
@ Rs 12.25/m ² = Rs 254142:-					
					Rs 254142

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Semidense bituminous concrete					
— — do —					
cont = 518.656 m ² P-5					
item - (10) @ Rs 11023.83					
					= Rs 5717576=
(11) Planting of trees by the road side					
— — do —					
cont = 20 No. Page-5					
item - (11) @ Rs 800.30					
					= Rs 16006=
(12) Providing & fixing of typical mmwy information sign board - do					
cont = 2 No. Page-6					
item - (12) @ Rs 9343.18					
					= Rs 18686=
					Total Rs 9050789=
Add GST - 12% (A) Rs					1086095
Add Labour Cost 1% (B) Rs					90508
					Total Rs 10227392=
Less 0.50% as per agreement (C) Rs					51137=
					Total Rs 10176255=
Grinyl 23/09/22 TE					
P. Subramanian 23/09/22 AB					
					C&P (S) m/g/v RPR