

Name Of Road :- BHADWA ROAD - KOTWARA

Date	Time	Section No.	Length in km	Bumps in mm	Speed Rate	OR mm/km	UIV	ROAD	CATEGORY	IRI	Latitude	Longitude	Event	
08/ 4/ 22	11:46:16	38	0.1	190	30.3	3300	3900	G		3.16	24.82207	84.56285	Normal	$Y = 0 * X^2 + 1.136 * X + 132.5$
08/ 4/ 22	11:46:32	38	0.1	200	30.3	3000	3540	G		3.16	24.82087	84.560639	Speed Breaker	$X = 2956$
08/ 4/ 22	11:46:46	38	0.1	150	30.3	2400	2858	G		2.74	24.82006	84.559999	Normal	$Y = 3455$
08/ 4/ 22	11:46:59	38	0.1	110	10.1	2900	3290	G		3.85	24.81927	84.559607	Speed Breaker	
08/ 4/ 22	11:47:13	38	0.1	120	10.1	3100	3518	G		3.16	24.81789	84.559103	Normal	
08/ 4/ 22	11:47:28	38	0.1	230	20.2	2900	3390	G		3.3	24.81652	84.558773	Speed Breaker	(R) RURAL ROAD
08/ 4/ 22	11:47:44	38	0.1	220	20.2	3300	3745	G		2.6	24.81545	84.558321	Speed Breaker	Good Average Poor
08/ 4/ 22	11:47:59	38	0.1	300	30.3	3100	3654	G		2.02	24.81475	84.557773	Normal	<4000 4001-5000 >5001
08/ 4/ 22	11:48:11	38	0.1	300	30.3	2600	3086	G		2.16	24.81391	84.557329	Normal	
08/ 4/ 22	11:48:25	38	0.1	220	30.3	3400	3994	G		3.72	24.81313	84.557091	Normal	
08/ 4/ 22	11:49:04	38	0.1	160	20.2	3400	3994	G		3.58	24.81182	84.556512	Normal	
08/ 4/ 22	11:54:36	38	0.1	280	30.3	3000	3540	G		4.66	24.81069	84.557299	Normal	
08/ 4/ 22	11:54:50	38	0.1	200	10.1	2910	3290	G		3.66	24.80978	84.557069	Speed Breaker	
08/ 4/ 22	11:55:02	38	0.1	160	10.1	2500	2972	G		3.58	24.80898	84.55742	Normal	
08/ 4/ 22	11:55:13	38	0.1	270	20.2	3000	3540	G		2.74	24.8088	84.559501	Normal	
08/ 4/ 22	11:55:26	38	0.1	280	10.1	2500	2972	G		4.4	24.80728	84.560207	Normal	
Total Length			1.6											

Admon
J.E 9/4/2022

AE 9/4/22

AE

Speed Analyzer

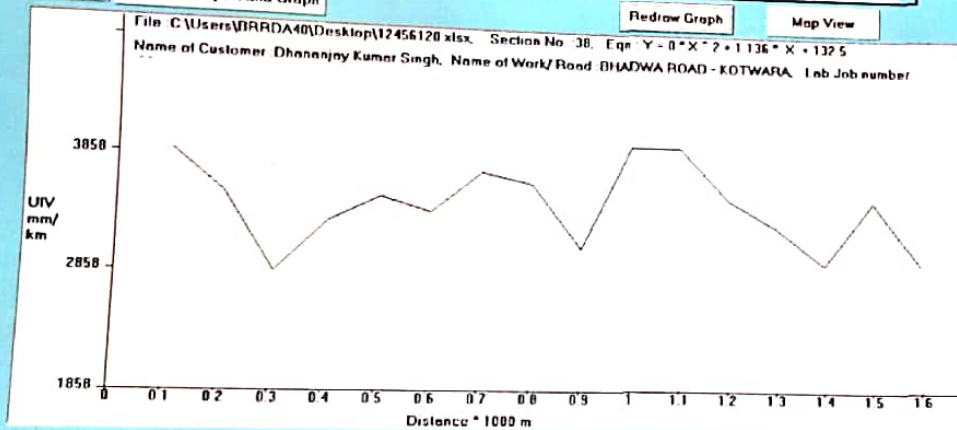
Name of Customer : Dhannanjay Kumar Singh
 Name of Work/Road : BHADWA ROAD - KOTWARA
 Lab Job number : 38
 Date : 08/04/2022
 Section No. : 38

Test Date : 08/04/2022 Road Name : BHADWA ROAD - KOTWARA
 Machine No : 338 Road Type : (R) RURAL ROAD
 Start S No : 400 Side : Right Interval
 Start E No : 418
 Weather : Normal UV Range : 1858 To 5000 mm/km
 Start Location : 24 80270 84 560 Dist Range : 3 To 15.7 * 1000 m
 End Location : 24 807275 84 4 Equation : $Y = 0 * X^2 + 1.136 * X + 132.5$

Print Generate Report and Graph

Redraw Graph

Map View



Adman
 9/4/2022
 J.E

city car
 9/4/22
 AG

Al
 18/04/22

**REPORT ON
BITUMEN CONTENT TEST
FOR THE PROPOSED
C/O**

**BHADWA ROAD TO KOTWARA UNDER SCHEME
MR 3054
AGREEMENT NO - MBD/2019-20**

**SUBMITTED TO:
EXECUTIVE ENGINEER
RWD. WORKS DIVISION, DAUDNAGAR**

**AGENCY NAME :
DHANANJAY KUMAR SINGH
VILLAGE, BAKAN AURANGABAD**

**TESTING BY :
*OM SAI TESTING AND RESEARCH
LABORATORY***

*2nd floor maheswari complex fraser road palna
PIN CODE 800001*

OM SAI TESTING AND RESEARCH LABORATORY

2nd floor maheswari complex fraser road patna

PIN CODE 800001

Ref.....

Date

BITUMEN CONTENT TEST OF SEMI-DENSE BITUMINOUS CONCRETE

Name of Road : BHADWA ROAD TO KOTWARA UNDER SCHEME 3054

Type Of Material : SEMI-DENSE
BITUMINOUS CONCRETE

DATE OF COLLECTION 05-04-2022

DATE OF TESTING 8-Apr-22

SAMPLE
NO.

A1 A2 A3

Chainage & Section:				
S.NO.	Observations	1	2	3
1	Wt. of Mix taken before extration	500	500	500
2	Wt. of filter paper before extration	6.00	5.98	6.00
3	Wt. of Mix after extration	472.5	471.82	471.97
4	Wt. of filter paper after extration	7.04	7.25	7.18
5	Wt. of filler collected from extract after allowing for seting	1.23	1.31	1.340
6	Wt. of filler collected in filter paper	1.04	1.27	1.18
7	Wt. of Aggregate + Filler collected after extration	474.77	474.4	474.5
8	Percentage of Bitumen (in the Mix) $\frac{(A-G) \times 100}{A}$	5.05	5.12	5.10
Layer		Value		
SEMI-DENSE BITUMINOUS CONCRETE		Avg. Value	5.089%	

Checked By

1/4/2022



OM SAI TESTING AND RESEARCH LABORATORY

2nd floor maheswari complex fraser road patna

PIN CODE 800001

Ref.....~~TEST~~ RESULTS OF GRADATION FOR SEMI-DENSE BITUMINOUS CONCRETE (SDBC).....

NAME OF ROAD BHADWA ROAD TO KOTWARA UNDER SCHEME 3054

Type Of Material SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test 07-04-22

Weight of Sample - 4605 GM

I.S Sieve Designation	Weight of Sample Retained (gm.)	% of Weight Retained	Cummulative % of Weight Retained	% of Weight Passing	Spec.Limits Vide Table 500.15 MORTH Specification
13.2mm	0	0	0	100	100
9.5mm	318	6.9	6.9	93.1	90-100
4.75mm	195	43.3	50.2	49.4	35-51
2.36mm	848	18.4	68.6	31.4	24-39
1.18mm	541	11.7	80.4	19.6	15-30
0.300mm	186	4	84.4	15.6	9-19.
0.075mm	493	10.70	95.1	4.9	3-8.
In Pan	224	4.9	100	0	-

Checked By



OM SAI TESTING AND RESEARCH LABORATORY

2nd floor maheswari complex fraser road patna

PIN CODE 800001

TEST RESULTS OF SEMI-DENSE BITUMINOUS CONCRETE FLAKINESS FLAKINESS INDEX

Ref.....

NAME OF
ROAD

BHADWA ROAD TO KOTWARA UNDER SCHEME 3054

Date

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

07-04-22

Weight of Sample(gr) - 493GM

Sno	Passing through IS Sieve (mm)	Retained on IS sieve (mm)	Wt. of the fraction of at least 200 pieces (gm)	Thickness gauge size (mm)	Wt. of aggregate in each fraction passing thickness gauge (gm)
1	2	3	4	5	6
1	12.5	10	25	6.75	0
2	10	6.3	468	4.89	52
Total (gm)			W= 493	w= 52	

F.I.= 12.29

ELONGATION INDEX

NAME OF
ROAD

BHADWA ROAD TO KOTWARA UNDER SCHEME 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

07-04-20202

Weight of Sample(gr) - 437 GM

Sno	Passing through IS Sieve (mm)	Retained on IS sieve (mm)	Wt. of the fraction of at least 200 pieces (gm)	Thickness gauge size (mm)	Wt. of aggregate in each fraction passing thickness gauge (gm)
1	2	3	4	5	6
1	12.5	10	25	20.50	0
2	10	6.3	412	14.70	47

Total (gm)

W= 437

F.I.= 10.76

F.I.+E.I.=

12.29+10.76

14.8

Checked By



पत्रांक 1502 अगु

दाउदनगर / दिनांक 10/09/2022

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दाउदनगर

सेवा में,

नोडल पदाधिकारी (MR 3054)
ग्रामीण कार्य विभाग
पटना, बिहार

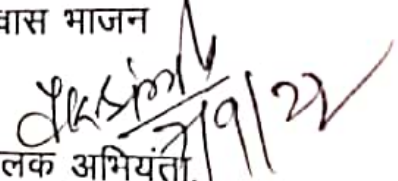
विषय :- नई अनुरक्षण नीति-2018 MR (3054) योजना के अंतर्गत पथ में कराये गये कार्य के विरुद्ध आवंटन उपलब्ध कराने के संबंध में।

महाशय,

उपरोक्त विषय के संबंध में सूचित करना है कि नई अनुरक्षण नीति-2018 MR (3054) योजना के अंतर्गत पथ में कराये गये कार्य के लिए संवेदक को भुगतान करने हेतु अधियाचना विहित प्रपत्र में भरकर आवश्यक कार्यवाही हेतु समर्पित की जाती है।

अनु :- यथोक्त।

विश्वास भाजन


कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दाउदनगर
(1502)
08.09.22

OFFICE OF EXECUTIVE ENGINEER, RURAL WORKS DEPARTMENT, WORKS DIVISION, Daudnagar
Requisition Format for Scheme Head- MR(3054) under Bihar Rural Road Maintenance Policy-2018 (Initial Rectification and Surface Renewal)
 Name of Works Division:- Daudnagar

Sl no.	Package No	Name of Road	Project ID as per MIS	Administrative Approval (AA) Letter No & Date	Administrative		Agreement Amount		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 Year Routine Maintenance (in Lakh)										
1	RM/AU/DAU/19/0016	BHADWA ROAD - KOTWARA	NEA22000270	2164/06.07.2019	1.85	41.713	41.46503	15.36132	40NIBD/3054MR/2021-2022 27.11.2021	24.08.2022	08.04.2022	3455	25MM	5.089%	35.31586	35.31586	2.37179	Comp.
2	RM/AU/DAU/19/0016	KASAMA ROAD - BAGHAURA	NEA22000298	2164/06.07.2019	2.7	61.737	61.65157	22.83029	40NIBD/3054MR/2021-2022 27.11.2021	24.08.2022	08.04.2022	3252	25MM	5.073%	56.62543	56.62543	4.35372	Comp.
TOTAL																	6.72551	

44/9 7-8-22
 Sr Divisional Accounts Officer
 Rural Works Department, works
 Division, Daudnagar

2/8/22
 Executive Engineer
 Rural Works Department
 Works Division, Daudnagar

ग्रामीण कार्य विभाग,

2nd and final Bill

13

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Const/Repair of road from Bhadwa Road to Kotwara under MR 3054 scheme					
Agency - Sri Dharamraj Kumar Singh					
Government No 40 MBD/3054 MR/2021-22					
Date of work order - 25-11-2021					
Date of Completion - 24-08-2022					
Record Measurement					

Date of Entry - 28/7/2022					
Item No (1/15) Plv Provision of reflective Skere traffic cone as per TS - 04 Nos					
Item No (2/16) Plv R.C.C. Mit Trade boundary Pillar as per TIS - 16 Nos					
Item No (3/17) Plv and fixing 60mm equilateral triangle as per TIS - 2 Nos					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (4/18) Plv and fixing 600mm circular as per TIS					1 No
Item No (5/15) Plv and fixing 600mm x 450mm rectangular - as per TIS					2 Nos
Item No (6/20) Plv Planting tree and their Maintenance for One year - TIS					
1x 34 Nos					34 Nos
1x 35 Nos					35 Nos
					69 Nos
Item No (7/23) Plv Guard Stone/as per TIS					32 Nos
Item No (8/24) Plv Brick masonry in parapet 5x2x6 10x0.40x0.60					14.40 m ³
Item No (9/25) Plv Plastering on Brick masonry work - TIS					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5 X 4.00 X 6.00 X 0.60					72.00 m² 144.00 m²
5 X 2.00 X 6.00 X 0.40					24.00 m² 48.00 m²
5 X 4.00 X 0.40 X 0.60					4.80 9.60 m²
					100.80 m ²

Item No (10) p/v and painting
(26)
on plastering — 5/8

5 X 4 X 4 X 0.60	48.00 m ²
5 X 2 X 4.00 X 6.00	240.00 m ²
5 X 4 X 0.40 X 0.60	4.80 m ²
	292.80 m ²

Arunav
28/7/2022
T.E

Neeraj
28/7/2022
M.E

AB8

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Abstract of cost.				
(1) Plv cleaning and grubbing of road land.					
0.648 Hect vide TMB Page (8)					
@ Rs 49496 = 70/Heet - Rs					32074 = w
(2) Plv const of Scarifying Surface.					
607.50 m ² vide TMB Page (8)					
@ Rs 15 = 40/m ² — Rs					9356 = w
(3) Plv const of Subgrade and ELS					
1195.20 m ³ vide TMB Page (8)					
@ Rs 176 = 75/m ³ — Rs					211252 = w
(4) Plv const of USB Grt					
88.033 m ³ vide TMB Page (8)					
@ Rs 1821 = 37/m ³ — Rs					160341 = w
(5) Plv laying Spreading and compacting WBM II					
92.02 m ³ vide TMB Page (8)					
@ Rs 3157 = 25/m ³ — Rs					290530 = w
(6) Plv laying Spreading and compacting WBM III					
140.38 m ³ vide TMB Page (8)					
@ Rs 2951 = 50/m ³ — Rs					414332 = w
(7) Plv and applying Primer coat (SS-I)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1871.73 m ² vide TMB Page (9)					
@ Rs 40 = 97 / m ² —					Rs 76685 =
(8/8) Plv and applying tack coat (Rs-1)					
1871.73 m ² vide TMB Page (9)					
@ Rs 13 = 90 / m ² —					Rs 26017 =
(9/9) Plv laying rolling close graded premix					
1871.73 m ² vide TMB Page (9)					
@ Rs 174 = 36 / m ² —					Rs 326355 =
(10/10) Plv and applying tack coat					
6075.00 m ² vide TMB Page (9)					
@ Rs 11 = 66 / m ² —					Rs 70834 =
(11/11) Plv laying SDBC					
151.89 m ³ vide TMB Page (9)					
@ Rs 7404 = 65 / m ³ —					Rs 1124692 =
(12/12) Plv and Fixing KM Stone					
3 Nos vide TMB Page (9)					
@ Rs 2064 = 03 / each —					Rs 6192 =
(13/13) Plv and fixing 200 m Stone					
7 Nos vide TMB Page (10)					
@ Rs 597 = 57 / each —					Rs 4183 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Plv and erecting direction and Place identification 0.96 m ² vide TMB Page (10)					
@ BS 12734 = 49/m ² - BS 12417 = 10					
(15) Plv traffic cones 16 Nos vide TMB Page (10)					
4 Nos vide TMB Page (13)					
20 Nos					
@ BS 1225 = 59/each - BS 24512 = 10					
(16) Plv Boundary Pillar 16 Nos vide TMB Page (13)					
@ BS 4912 = 14/each - BS 7874 = 10					
(17) Plv and fixing boom equilateral triangle 10 Nos vide TMB Page (10)					
2 Nos vide TMB Page (13)					
12 Nos					
@ BS 3719 = 68/each - BS 44636 = 10					
(18) Plv and fixing boom Circular 4 Nos vide TMB Page (10)					
1 Nos vide TMB Page (14)					
5 Nos					
@ BS 3888 = 22/each - BS 19441 = 10					
(19) Plv and fixing boom X 450 mm rectangular					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6 Nos vide TMB Page (10)					
2 Nos vide TMB Page (13)					
8 Nos					
@ Rs 3748 = 41 / each - Rs					29987 = w
(20) Plv Planting of trees					
by Road Side					
69 Nos vide TMB Page (14)					
@ Rs 799 = 08 / each - Rs					55137 = w
(21) Plv and laying hot					
applied thermoplastic					
324.00 m ² vide TMB Page (11)					
@ Rs 735 = 40 / m ² - Rs					238270 = w
(22) Plv and fixing					
MMSy 2 Logo Band					
2 Nos vide TMB Page (11)					
@ Rs 9099 = 70 / each - Rs					18199 = w
(23) Plv Guard					
Stone as per T.S.					
32 Nos vide TMB Page (14)					
@ Rs 492 = 14 / each - Rs					15748 = w
(24) Plv Brick masonry					
work in parapet -					
14.40 m ³ vide TMB Page (14)					
@ Rs 5072 = 92 / m ³ - Rs					73050 = w
(25) Plv Plastering on					
Brick masonry work					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
100.80 m ² vide TMB Page (15)					
@ Rs 149 = 56/m ² - Rs					15076 = ₹
(26) P.V. Painting two					
(26) Coat with Primer Coat					
292.80 m ² vide TMB Page (15)					
@ Rs 95 = 63/m ² - Rs					28000 = ₹
					Rs 3335190 = ₹
Add 12% GST - H.D. Rs					400223 = ₹
Add 1% Less - H.D. Rs					33352 = ₹
					Rs 3768765 = ₹
Less Previous Payment					Rs 3531586 = ₹
<u>Summary</u> 28/7/2022 F.E.					Rs 237179 = ₹
<u>Debit</u> 28/7/2022 N.E.					

Continuation