

REPORT ON
BITUMEN CONTENT TEST
FOR THE PROPOSED
C/O

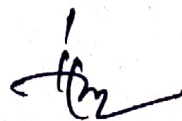
DEO JEEVA BIGHA TO SILARKHURD
UNDER SCHEME
MR 3054

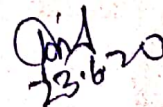
SUBMITTED TO:
EXECUTIVE ENGINEER
RWD. WORKS DIVISION, AURANGABAD

AGENCY NAME :
TRADEWELL CONSTRUCTION PVT LTD
PIPRDIH AURANGABAD

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

HOUSE No A/109 SHIVPURI COLONY RANCHI JHARKHAND
PIN CODE 834001


23/6/2020
A.B


23/6/20

OM SAI TESTING AND RESEARCH LABORATORY

HOUSE No A/109 SHIVPURI COLONY RANCHI JHARKHAND
PIN CODE 834001

BITUMEN CONTENT TEST OF SDBC

DEO JEEVA BIGHA TO SILARKHURD UNDER SCHEME 3054

Type Of Material :SDBC

Name of Road :

DATE OF COLLECTION 14-Jun-20

DATE OF TESTING 18-Jun-20

SAMPLE NO. 1,2,3

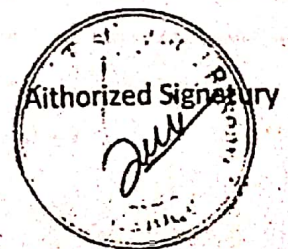
Chainage & Section:		0+185 KM	0+610 KM	0+985 KM
S.NO.	Observations	1	2	3
1	Wt. of Mix taken before extration (A)	500	500	500
2	Wt. of filter paper before extration (B)	5.71	5.982	6.001
3	Wt. of Mix after extration (c)	472.2	472.25	471.69
4	Wt. of filter paper after extration (D)	6.98	7.35	7.21
5	Wt. of filler collected from extract after allowing for seting (E)	1.19	1.31	1.320
6	Wt. of filler collected in filter paper (B-D) = (F)	1.27	1.368	1.209
7	Wt. of Aggregate + Filler collected after extration (C + E + F) = (G)	474.66	474.928	474.2
8	Percentage of Bitumen (in the Mix) $\frac{(A-G) \times 100}{A}$	5.07	5.0144	5.16
		Value		
Layer		Avg. Value 5.08%		
SDBC				

Checked By

Tested By

Praveen
23.6.20
J. B. D. D.

Praveen
23.6.20
R.F.



OM SAI TESTING AND RESEARCH LABORATORY

HOUSE No A/109 SHIVPURI COLONY BANGHI JHARKHAND
PIN CODE 834001

TEST RESULTS OF SEMI-DENSE BITUMINOUS CONCRETE FLAKINESS FLAKINESS INDEX

NAME OF ROAD: DEO JEEVA BIGHA TO SILARKHURD UNDER SCHEME 3054
Type Of Material: SEMI-DENSE BITUMINOUS CONCRETE
Date Of Test: 19-06-2020

Weight of Sample(gr) - 526 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	36	6.75	0
2	10	6.3	390	4.89	32
Total (gm)			W= 426	w=	32
			F.I.= 7.51		

ELONGATION INDEX

NAME OF ROAD: DEO JEEVA BIGHA TO SILARKHURD UNDER SCHEME 3054
Type Of Material: SEMI-DENSE BITUMINOUS CONCRETE
Date Of Test: 19-06-2020

Weight of Sample(gr) - 384 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	36	20.50	0
2	10	6.3	348	14.70	
Total (gm)			W= 384		
			F.I.= 7.29		
			F.I.+E.I.= 7.51+7.29		
			14.8		



Checked By

P. K. Saha
23.6.20
J. K. Saha

23.6.20
B. B.

OMSAI TESTING AND RESEARCH LABORATORY

HOUSE No A/109 SHIVPURI COLONY RANCHI JHARKHAND
PIN CODE 831001

TEST RESULTS OF GRADATION FOR SEMI-DENSE BITUMINOUS CONCRETE (SDBC)
 NAME OF ROAD DEO JEEVA BIGHA TO SILARKHURD UNDER SCHEME 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

18-06-2020

Weight of Sample - 2876 GM

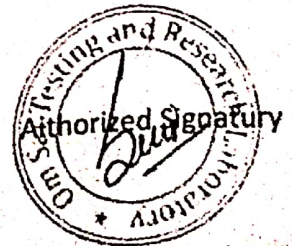
I.S Seive Designation	Weight of Sample Retained (gm.)	% of Weight Retained	Cummulative % of Weight Retained	% of Weight Passing	Spec.Limits Vide Table 500.15 MORTH Specification
13.2mm	0	0	0	100	100
9.5mm	106	3.69	3.69	96.31	90-100
4.75mm	1424	49.52	53.21	46.79	35-51
2.36mm	413	14.38	67.59	32.41	24-39
1.18mm	369	12.85	80.44	19.56	15-30
0.300mm	175	6.1	86.24	13.46	9-19.
0.075mm	168	5.83	92.07	7.93	3-8.
In Pan	228	7.93	100		-

Tested By

Checked By

Praveen
23/6/20
J. Edeeb

Praveen
23/6/20



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TESTING AND RESEARCH LABORATORY
REVERSE No 1/709 SURVEYING COLONY KANCHI JHARKHAND
ISIRI CODE: 151001

TEST RESULTS OF GRADATION FOR SEMI-DENSE BITUMINOUS CONCRETE (SDBC)
DEO DEVA BIGHA TO BILARKHURD UNDER SCHEME

NAME OF ROAD: _____
 Type Of Material: **SEMI-DENSE BITUMINOUS CONCRETE**
 Date Of Test: **18-06-2020**

Weight of Sample - **2958 GM**

IS 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
11.2mm	0	0	0	100	100
9.5mm	105	3.54	3.54	96.46	90-100
4.75mm	1480	50.05	53.59	46.41	35-51
2.36mm	353	11.95	65.54	34.46	24-39
1.18mm	324	10.97	76.51	23.49	15-30
0.100mm	278	9.99	85.9	14.1	9-19.
0.075mm	182	6.15	92.05	7.95	3-8.
In Pan	235	7.95	100		-

Checked By _____

Tested By _____

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 23-6-20
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Name of Road:- Deo-Jeeva Bigha Road to Silar Khurd

Date	Time	Section No.	Length		Bumps	Speed		OR	IRI	CATEGORY	Latitude	Longitude	Event
			in km	in mm		Rate	mm/km						
17/6/20	14:34:4	87	0.1	340	0	3400	3815	G	ROAD	24.64728	84.411598	Normal	
17/6/20	14:34:40	87	0.1	340	10.1	3400	3815	G		24.648128	84.412	Normal	
17/6/20	14:35:0	87	0.1	330	10.1	3300	3715	G		24.649008	84.41173	Normal	
17/6/20	14:35:14	87	0.1	320	10.1	3200	3615	G		24.649897	84.411952	Normal	
17/6/20	14:35:49	87	0.1	310	10.1	3100	3515	G		24.650742	84.411868	Normal	
17/6/20	14:36:0	87	0.1	280	10.1	2800	3215	G		24.651618	84.41207	Normal	
17/6/20	14:36:24	87	0.1	260	10.1	2600	3015	G		24.652082	84.412693	Normal	
17/6/20	14:44:3	87	0.1	270	0	2700	3115	G		24.652377	84.41342	Normal	
17/6/20	14:50:37	88	0.1	300	0	3000	3415	G		24.653308	84.412962	Normal	

$Y = 0 * X^2 + 1.000 * X + 415.2$
 $X = 3300$
 $Y = 3715$

(R) RURAL ROAD

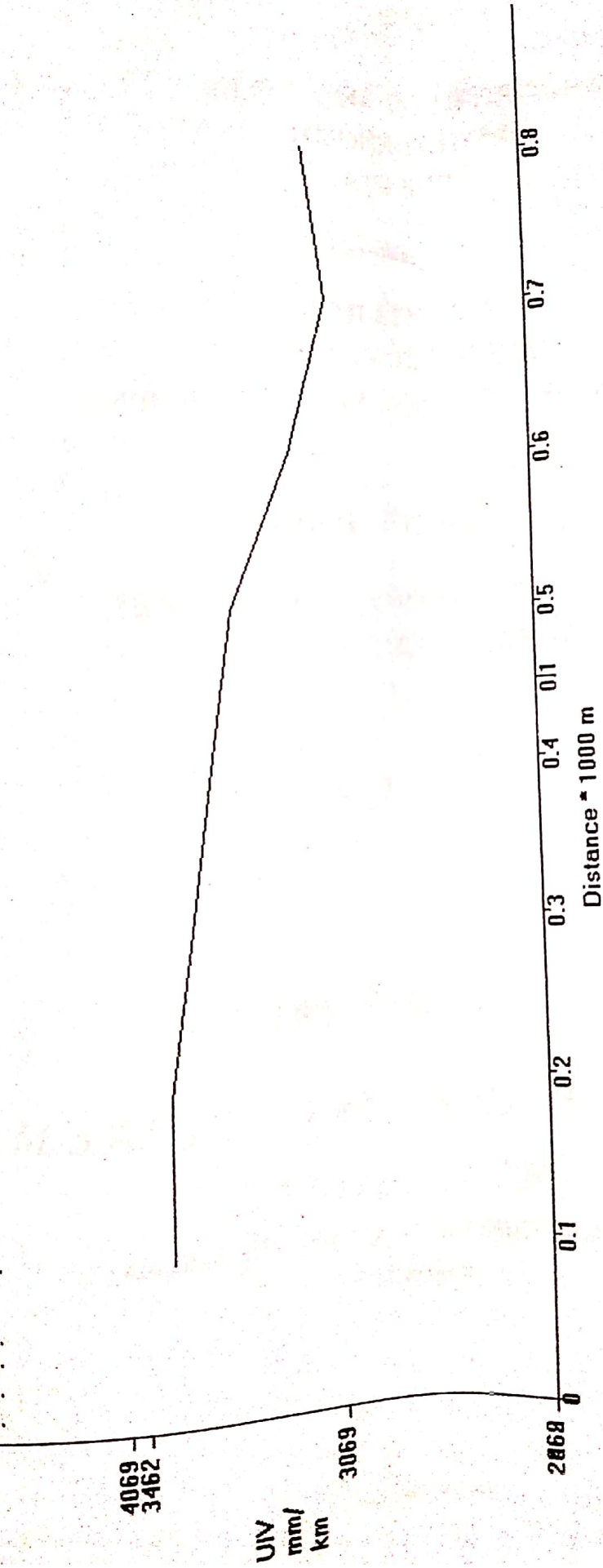
Good Average Poor
 <4000 4001-5000 >5001

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Panchy
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File : C:\Users\BRRDA67\Desktop\Bump\14051123.Xls, Section No. : 88, Eqn : $Y = 0 \cdot X^2 + 0.984 \cdot X + 510.7$

Name of Customer : TRADEWELL CONST., Name of Work/ Road : DEO JEEVA BIGHA ROAD TO SILAR KHURD.



Praveen
23/6/20
J. Ede

Praveen
23/6/20
ER

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल, औरंगाबाद।
Email ID:-eerwdaurangabad1@gmail.com

पत्रांक..... 2580 औरंगाबाद/दिनांक..... 23.06.2020

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, औरंगाबाद।

सेवा में,

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

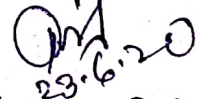
विषय :- नई अनुरक्षण नीति-2018MR (3054)योजना के अंतर्गत पथ में कराये गये कार्य के विरुद्ध आवंटन उपलब्ध कराने के संबंध में।

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।

विश्वासभाजन




कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, औरंगाबाद

OFFICE OF EXECUTIVE ENGINEER, RURAL WORKS DEPARTMENT, WORKS DIVISION, Aurangabad

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

Sl no.	Package No MR-N/ 2019- Aurang abad/	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)	SBBC BM		Previous Total Allocated Amount (In Lakh)	up-to-date expenditure as per MIS (in Lakh)	Requisition against work done (in Lakh)	Remarks
					Length (in km)	Amount of (In Lakh)	Initial Rectificatio n with Surface Renewal (In Lakh)	5 Year Routine Maintena nce (in Lakh)					Thickness of Bitumen Layer (in mm)	Value of Bitumen Content in Percentage				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	2	Rajoi Via,Dosma- Bel Barahi	NEA22000 41	Letter No. 3140 Date 22.07.2019	6.370	303.11000	272.80000	59.65000	59MBD/20 19-20 Date 04.02.2020	03.11.2020	-	2115	25 50 BM	5.08 3.34 BM	0.00000	0.00000	272.80000	Ongoing
2	8	Nabinegar road to Khaira	106028020 74	Letter No. 3140 Date 22.07.2019	4.883	123.62000	111.26000	43.75000	60MBD/20 19-20 Date 05.02.2020	04.11.2020	-	3715	25	5.05	0.00000	0.00000	111.26000	Ongoing
3	16	Deo more road to Upardaha	106028021 11	Letter No. 3140 Date 22.07.2019	2.460	58.40000	52.46000	23.010	71MBD/20 19-20 Date 15.02.2020	14.11.2020	-	3715	25	5.11	0.00000	0.00000	52.46000	Ongoing
4	14	Const. of Road from Deo Jewa Bigtha to Silarh Khurd	106028010 05	Letter No. 3140 Date 22.07.2019	1.000	28.28000	25.45000	9.400	71MBD/20 19-20 Date 14.02.2020	13.11.2020	-	3715	25	5.08	0.00000	0.00000	25.45000	Ongoing
Total																	461.97000	


 Executive Engineer
 Rural Works Department
 Works Division, Aurangabad