

OM SAI TESTING AND RESEARCH LABORATORY

HOUSE No A/109 SHIVPURI COLONY RANCHI JHARKHAND

PIN CODE 834001

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

Ref.....
NAME OF ROAD SANDA DUMARI TO KANAUDH UNDER SCHEME MR 3054 UNDER SCHEME
MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

03-07-2020

Weight of Sample - 3380 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	132	3.9	3.9	96.1	90-100
4.75mm	1615	47.78	51.68	48.32	35-51
2.36mm	619	18.32	70.00	30.00	24-39
1.18mm	407	12.05	82.05	17.95	15-30
0.300mm	233	6.88	88.93	11.07	9-19.
0.075mm	199	5.90	94.83	5.17	3-8.
In Pan	175	5.17	100		-

Checked By

Tested By

OM SAI TESTING AND RESEARCH LABORATORY

Authorized Signatory

OM SAI TESTING AND RESEARCH LABORATORY

HOUSE No A/109 SHIVPURI COLONY RANCHI JHARKHAND

PIN CODE 834001

BITUMEN CONTENT TEST OF SDBC

Name of Road : SANDA DUMARI TO KANAUDH UNDER SCHEME MR 3054
Ref : UNDER SCHEME MR 3054

Type of Material : SDBC....

DATE OF COLLECTION : 28-Jun-20

DATE OF TESTING : 2-Jul-20

SAMPLE NO. 1,2,3

Chainage & Section:

S.NO.	Observations	0+530 KM	1+250 KM	2+210 KM
		1	2	3
1	Wt. of Mix taken before extration (A)	500	500	500
2	Wt. of filter paper before extration (B)	5.93	5.91	6
3	Wt. of Mix after extration (c)	472.69	472.15	472.35
4	Wt. of filter paper after extration (D)	7.21	7.4	7.39
5	Wt. of filler collected from extract after allowing for seting (E)	1.11	1.34	1.337
6	Wt. of filler collected in filter paper (B-D) = (F)	1.28	1.49	1.39
7	Wt. of Aggregate + Filler collected after extration (C + E + F) = (G)	475.08	474.98	475.1
8	Percentage of Bitumen (in the Mix) $\frac{(A-G) \times 100}{A}$	4.98	5.004	4.98
Layer				
SDBC		Value		
		Avg. Value	4.991%	

Checked By

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HOUSE No A/109 SHIVPURI COLONY RANCHI JHARKHAND

PIN CODE 834001

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

Ref...NAME OF ROAD

SANDA DUMARI TO KANAUDH UNDER SCHEME MR 3054 UNDER SCHEME MR 3054

Date

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

03-07-2020

Weight of Sample - 3412 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	96	2.8	2.8	97.2	90-100
4.75mm	1650	48.35	51.15	48.45	35-51
2.36mm	619	18.15	69.3	30.7	24-39
1.18mm	363	10.64	79.94	20.06	15-30
0.300mm	282	8.26	88.2	11.8	9-19.
0.075mm	225	6.60	94.8	5.2	3-8.
In Pan	177	5.2	100		-

Checked By

Tested By

OM SAI TESTING AND RESEARCH LABORATORY

Authorized Signatory

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HOUSE No A/109 SHIVPURI COLONY RANCHI JHARKHAND

PIN CODE 834001

TEST RESULTS OF SEMI-DENSE BITUMINOUS CONCRETE FLAKINESS INDEX

Date

Ref.....

NAME OF ROAD

SANDA DUMARI TO KANAUDH UNDER SCHEME MR 3054 UNDER SOHEME MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

03-07-2020

Weight of Sample(gr) - 564 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	44	6.75	0
2	10	6.3	520	4.89	57
Total (gm)			W= 564 F.I.= 10.11	W= 57	

ELONGATION INDEX

NAME OF ROAD

NABINAGAR TO KHAIRA UNDER SCHEME MR 3054 UNDER SCHEME MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

21-06-2020

Weight of Sample(gr) - 569 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	44	20.50	0
2	10	6.3	525	14.70	59
Total (gm)			W= 569 F.I.= 10.37	Authorized Signatory	
F.I.+E.I.=			10.11+10.37	20.48	

OM SAI TESTING AND RESEARCH LABORATORY

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

Date

BITUMEN CONTENT TEST OF SDBC

Type Of Material :SDBC

Ref.....
Name of Road : SANDA DUMARI TO KANAUDH UNDER SCHEME MR
3054

DATE OF COLLECTION 28-Jun-20

DATE OF TESTING 2-Jul-20

SAMPLE NO.

Chainage & Section:		2+930 KM	3+360 KM	3+885 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)	5.98	6	6
3	Wt. of Mix after extration (c)	472.9	471.7	472.5
4	Wt. of filter paper after extration (D)	6.78	7.12	6.85
5	Wt. of filler collected from extract after allowing for seting (E)	1.55	1.78	1.985
6	Wt. of filler collected in filter paper (B-D) = (F)	0.8	1.12	0.85
7	Wt. of Aggregate + Filler collected after extration (C + E + F) = (G)	475.25	474.6	475.3
8	Perantage of Bitumen (in the Mix) $\frac{(A-G) \times 100}{A}$	4.95	5.08	4.93

Layer	Value		
SDBC	Avg. Value	4.988%	

Checked By

Tested By

OM SAI TESTING AND RESEARCH LABORATORY

Authorized Signatory

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

**SANDA DUMARI TO KANAUDH
UNDER SCHEME
MR 3054**

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

**AGENCY NAME :
DEBASHREE CONSTRUCTION PVT LTD
NAWAJADIK COMPLEX AURANGABAD**

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

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

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

पत्रांक... २४/७ अ... औरंगाबाद/दिनांक... १३/७/२०

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

13/7/2020
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, औरंगाबाद
B. 2000 (HANA)
13.07.20

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

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

Name of Works Division:- Aurangabad

SI no.	Package No MR-N/ 2019-20 Aurangabad/	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)	SDBC		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 Rectification with Surface Renewal (in Lakh)	5 Year Routine Maintenance (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		Sarda Dunori Road - Kanaudha	106028020 87	Letter No. 3140 Date 22.07.2019	4.00	141.194	82.79000	35.84000	74MBD/201 9-20 Date 20.02.2020	19.11.2020	-	3215	25	5.170	0.00000	0.00000	82.79000	Ongoing
2		ambanabinagar - turtla	NEA22000 182	Letter No. 3140 Date 22.07.2019	3.300	120.72680	70.99000	30.50000	79MBD/201 9-20 Date 20.02.2020	19.11.2020	-	3215	25	5.08	0.00000	0.00000	70.99000	Ongoing
3		AMBANABINAGA R-SUHI	NEA22000 178	Letter No. 3140 Date 22.07.2019	2.400	90.07110	52.64000	23.020	79MBD/201 9-20 Date 20.02.2021	19.11.2021	-	3215	25	5.10	0.00000	0.00000	52.64000	Ongoing
4		G.T. Road - Shailwan Mahawan	106029020 13	Letter No. 3140 Date 22.07.2019	4.950	154.77000	91.82000	38.220	58MBD/201 9-20 Date 02.02.2020	03.11.2020	-	3215	25	5.01	0.00000	0.00000	91.82000	Ongoing
		Total															298.24000	

29/9/20

Executive Engineer
Rural Works Department
Works Division, Aurangabad

Name Of Road:- Sand Dumari Road To Kanaudha Const Name :- Debashree (I) PVT,LTD Name of :- Block

Date	Time	Section	Length	Bumps	Speed	OR	IRI	TEGORY	Latitude	Longitude	Event
No.		in km	in mm	Rate	mm/km	mm/km	ROAD				
6/7/20	16:15:1	17	0.1	270	0	2700	3115	G	24.59053	84.37384	Normal
6/7/20	16:15:36	17	0.1	240	10.1	2400	2815	G	24.59137	84.37414	Normal
6/7/20	16:16:10	17	0.1	220	20.2	2200	2615	G	24.59229	84.37438	Normal
6/7/20	16:16:10	17	0.1	180	20.2	1800	2215	G	24.59316	84.37444	Normal
6/7/20	16:16:10	17	0.1	220	20.2	2200	2615	G	24.59396	84.37475	Normal
6/7/20	16:17:0	17	0.1	220	20.2	2200	2615	G	24.59482	84.37473	Normal
6/7/20	16:17:0	17	0.1	180	20.2	1800	2215	G	24.59568	84.37465	Normal
6/7/20	16:17:21	17	0.1	190	20.2	1900	2315	G	24.59662	84.3747	Normal
6/7/20	16:17:21	17	0.1	240	10.1	2400	2815	G	24.59702	84.37401	Normal
6/7/20	16:18:0	17	0.1	300	10.1	3000	3415	G	24.59752	84.3734	Normal
6/7/20	16:18:0	17	0.1	260	20.2	2600	3015	G	24.5977	84.37247	Normal
6/7/20	16:18:31	17	0.1	300	20.2	3000	3415	G	24.59778	84.37152	Normal
6/7/20	16:19:0	17	0.1	320	20.2	3200	3615	G	24.5979	84.37054	Normal
6/7/20	16:19:7	17	0.1	260	10.1	2600	3015	G	24.5979	84.36949	Normal
6/7/20	16:19:7	17	0.1	290	10.1	2900	3315	G	24.59877	84.36958	Normal
6/7/20	16:19:42	17	0.1	220	20.2	2200	2615	G	24.59967	84.36978	Normal
6/7/20	16:20:0	17	0.1	250	20.2	2500	2915	G	24.60056	84.36992	Normal
6/7/20	16:20:17	17	0.1	270	20.2	2700	3115	G	24.60145	84.37003	Normal
6/7/20	16:20:17	17	0.1	270	20.2	2700	3115	G	24.60213	84.37044	Normal
6/7/20	16:20:17	17	0.1	260	20.2	2600	3015	G	24.60251	84.37108	Normal
6/7/20	16:21:0	17	0.1	290	20.2	2900	3315	G	24.6034	84.37125	Normal
6/7/20	16:21:0	17	0.1	290	20.2	2900	3315	G	24.60413	84.37061	Normal
6/7/20	16:21:28	17	0.1	330	20.2	3300	3715	G	24.60491	84.37019	Normal
6/7/20	16:21:28	17	0.1	290	10.1	2900	3315	G	24.60566	84.36993	Normal
6/7/20	16:22:3	17	0.1	240	10.1	2400	2815	G	24.60581	84.36897	Normal
6/7/20	16:22:3	17	0.1	290	20.2	2900	3315	G	24.60622	84.36828	Normal
6/7/20	16:22:38	17	0.1	260	20.2	2600	3015	G	24.60711	84.36835	Normal
6/7/20	16:23:0	17	0.1	250	20.2	2500	2915	G	24.60769	84.36884	Normal
6/7/20	16:23:14	17	0.1	250	10.1	2500	2915	G	24.60836	84.36916	Normal
6/7/20	16:23:49	17	0.1	250	20.2	2500	2915	G	24.60927	84.36928	Normal
6/7/20	16:24:0	17	0.1	220	20.2	2200	2615	G	24.6102	84.36934	Normal
6/7/20	16:24:0	17	0.1	350	20.2	3500	3915	G	24.61076	84.3699	Normal
6/7/20	16:24:24	17	0.1	280	10.1	2800	3215	G	24.61079	84.37086	Normal
6/7/20	16:25:0	17	0.1	220	20.2	2200	2615	G	24.61001	84.37106	Normal
6/7/20	16:25:0	17	0.1	230	10.1	2300	2715	G	24.61031	84.37194	Normal
6/7/20	16:25:35	17	0.1	280	10.1	2800	3215	G			

Total Length 3.500

Sand Dumari
10/7/2020
J.E

10.7.20
A.E

Y/h
10/7/2020
E'E

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

$$X = 2800$$

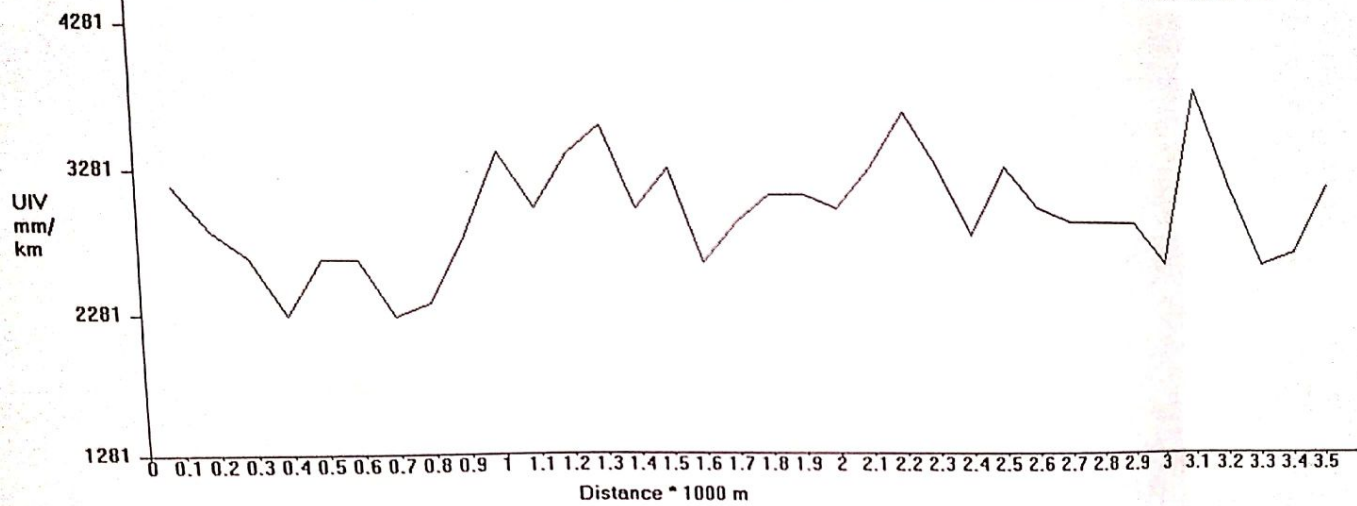
$$Y = 3215$$

(R) RURAL ROAD

Good Average Poor
<4000 4001-5000 >5001

File :C:\Users\BRRDA67\Desktop\Bump\06071728.Xls. Section No. :17. Eqn :test

Name of Customer :DEBASHREE CONSTITUTION(I) PVT.LTD., Name of Work/ Road :SAMDA DUMARI ROAD TO



Sumit Kumar
10/7/2020
J.E.

Am
10.7.20
AE

Yash
10/7/2020