

कार्यपालक अभियंता का कार्यालय  
ग्रामीण कार्य विभाग, कार्य प्रमंडल, औरंगाबाद

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पत्रांक.....146 अरु.....

औरंगाबाद/दिनांक.....19/01/21.....

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।

विश्वास भाजन

*(Signature)*  
19/01/21  
कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, औरंगाबाद  
*(Stamp)*  
19.01.21

**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

| 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 of (in Lakh) | Initial Rectification with Surface Renewal (in Lakh) | 5 Year Routine Maintenance (in Lakh) |                              |                                     |                           |                         |                                    |                                        |                                          |                                             |                                         |         |
| 1            | 2                     | 3                                | 4                     | 5                                             | 6                            | 7                   | 8                                                    | 9                                    | 10                           | 11                                  | 12                        | 13                      | 14                                 | 15                                     | 16                                       | 17                                          | 18                                      | 19      |
| 1            | RM/AU/AUR/1<br>9/0013 | NABINAGAR BARUN<br>ROAD - KHANDA | NEA2200060            | 3140/22.07.2019                               | 2.3                          | 86.66               | 60.07                                                | 17.90                                | 70\MBD-2019-20<br>15.02.2020 | 14.11.2020                          | 16.01.2021                | 2440                    | 25.00\N\N                          | 5.069%                                 | 0.00000                                  | 0.00000                                     | 60.07                                   | Comp.   |
| 2            | RM/AU/AUR/1<br>9/0025 | fishipmaharajgaraj -<br>banaya   | NEA22000176           | 3140/22.07.2019                               | 2.8                          | 89.68               | 55.71                                                | 24.95                                | 72\MBD-2019-20<br>15.02.2020 | 14.11.2020                          | 16.01.2021                | 3009                    | 25.00\N\N                          | 5.0620%                                | 0.00000                                  | 0.00000                                     | 55.71                                   | Comp.   |
| 3            | RM/AU/AUR/1<br>9/0017 | KACHANPUR - BARA<br>PATH         | 10602902019           | 3140/22.07.2019                               | 3.3                          | 119.90              | 77.21                                                | 30.56                                | 82\MBD-2019-20<br>16.09.2020 | 15.06.2021                          | 16.01.2021                | 2492                    | 25.00\N\N                          | 5.0440%                                | 0.00000                                  | 0.00000                                     | 77.21                                   | Comp.   |
| <b>TOTAL</b> |                       |                                  |                       |                                               |                              |                     |                                                      |                                      |                              |                                     |                           |                         |                                    |                                        |                                          |                                             | <b>192.99</b>                           |         |

Divisional Accounts Officer  
Rural Works Department, works  
Division, Aurangabad

Executive Engineer  
Rural Works Department  
Works Division, Aurangabad

# Name Of Road NABINAGAR BARUN ROAD - KHANDA

| Date         | Time     | Section No. | Length in km | Bumps in mm | Speed Rate | OR mm/km | UIV    | CATEGORY ROAD | IRI  | Latitude  | Longitude | Event         |
|--------------|----------|-------------|--------------|-------------|------------|----------|--------|---------------|------|-----------|-----------|---------------|
| 16/1/21      | 13:1:0   | 67          | 0.1          | 240         | 20.2       | 2400     | 2858 G |               | 3.85 | 24.878685 | 84.23848  | Normal        |
| 16/1/21      | 13:1:34  | 67          | 0.1          | 150         | 30.3       | 1500     | 1836 G |               | 2.6  | 24.878965 | 84.23904  | Normal        |
| 16/1/21      | 13:2:0   | 67          | 0.1          | 120         | 40.4       | 1200     | 1495 G |               | 2.16 | 24.878438 | 84.240235 | Speed Breaker |
| 16/1/21      | 13:2:9   | 67          | 0.1          | 150         | 40.4       | 1500     | 1836 G |               | 2.6  | 24.878143 | 84.241178 | Normal        |
| 16/1/21      | 13:2:9   | 67          | 0.1          | 120         | 30.3       | 1200     | 1495 G |               | 2.16 | 24.877848 | 84.24212  | Normal        |
| 16/1/21      | 13:2:44  | 67          | 0.1          | 140         | 30.3       | 1400     | 1722 G |               | 2.45 | 24.87767  | 84.243182 | Normal        |
| 16/1/21      | 13:3:0   | 67          | 0.1          | 140         | 30.3       | 1400     | 1722 G |               | 2.45 | 24.87744  | 84.24409  | Normal        |
| 16/1/21      | 13:3:0   | 67          | 0.1          | 150         | 30.3       | 1500     | 1836 G |               | 2.6  | 24.87734  | 84.24513  | Speed Breaker |
| 16/1/21      | 13:3:20  | 67          | 0.1          | 230         | 20.2       | 2300     | 2745 G |               | 3.72 | 24.877235 | 84.24611  | Normal        |
| 16/1/21      | 13:4:0   | 67          | 0.1          | 340         | 10.1       | 3200     | 3712 G |               | 3.19 | 24.876997 | 84.24712  | Speed Breaker |
| 16/1/21      | 13:5:6   | 67          | 0.1          | 340         | 10.1       | 3400     | 3994 G |               | 5.19 | 24.876898 | 84.24808  | Speed Breaker |
| 16/1/21      | 13:5:41  | 67          | 0.1          | 240         | 20.2       | 2400     | 2858 G |               | 3.85 | 24.877798 | 84.248332 | Normal        |
| 16/1/21      | 13:6:16  | 67          | 0.1          | 140         | 30.3       | 1400     | 1722 G |               | 2.45 | 24.878627 | 84.248552 | Normal        |
| 16/1/21      | 13:6:16  | 67          | 0.1          | 170         | 20.2       | 1700     | 2063 G |               | 2.88 | 24.878788 | 84.249275 | Normal        |
| 16/1/21      | 13:6:16  | 67          | 0.1          | 200         | 20.2       | 2000     | 2404 G |               | 3.3  | 24.878542 | 84.250168 | Normal        |
| 16/1/21      | 13:7:0   | 67          | 0.1          | 150         | 30.3       | 1500     | 1836 G |               | 2.6  | 24.878278 | 84.251212 | Speed Breaker |
| 16/1/21      | 13:7:27  | 67          | 0.1          | 110         | 30.3       | 1100     | 1382 G |               | 2.02 | 24.87793  | 84.252037 | Normal        |
| 16/1/21      | 13:10:23 | 67          | 0.1          | 120         | 30.3       | 1200     | 1495 G |               | 2.16 | 24.87832  | 84.251077 | Speed Breaker |
| 16/1/21      | 13:10:23 | 67          | 0.1          | 580         | 20.2       | 2800     | 3721 G |               | 3.26 | 24.878537 | 84.250185 | Normal        |
| 16/1/21      | 13:11:0  | 67          | 0.1          | 720         | 10.1       | 3200     | 3811 G |               | 3.98 | 24.878768 | 84.249275 | Normal        |
| 16/1/21      | 13:11:0  | 67          | 0.1          | 310         | 20.2       | 3100     | 3654 G |               | 4.8  | 24.878638 | 84.24847  | Normal        |
| 16/1/21      | 13:11:34 | 67          | 0.1          | 290         | 20.2       | 2900     | 3426 G |               | 3.53 | 24.877748 | 84.248232 | Speed Breaker |
| 16/1/21      | 13:14:30 | 67          | 0.1          | 210         | 20.2       | 2100     | 2518 G |               | 3.44 | 24.87735  | 84.24513  | Normal        |
| Total Length |          |             | 2.3          |             |            |          |        |               |      |           |           |               |

16-01-2021  
J.E

16.01.21  
A.E

19/1/21  
E.E

Y = 0 \* X ^ 2 + 1.136 \* X + 132.5  
X = 2017  
Y = 2440  
(R) RURAL ROAD  
Good Average Poor  
<4000 4001-5000 >5001

Name of Customer: Rajesh Kumar Singh  
Name of Work/Road: NABINAGAR BARUN ROAD - I  
Lab Job number: 67  
Date: 16-01-2021  
Section No: 67

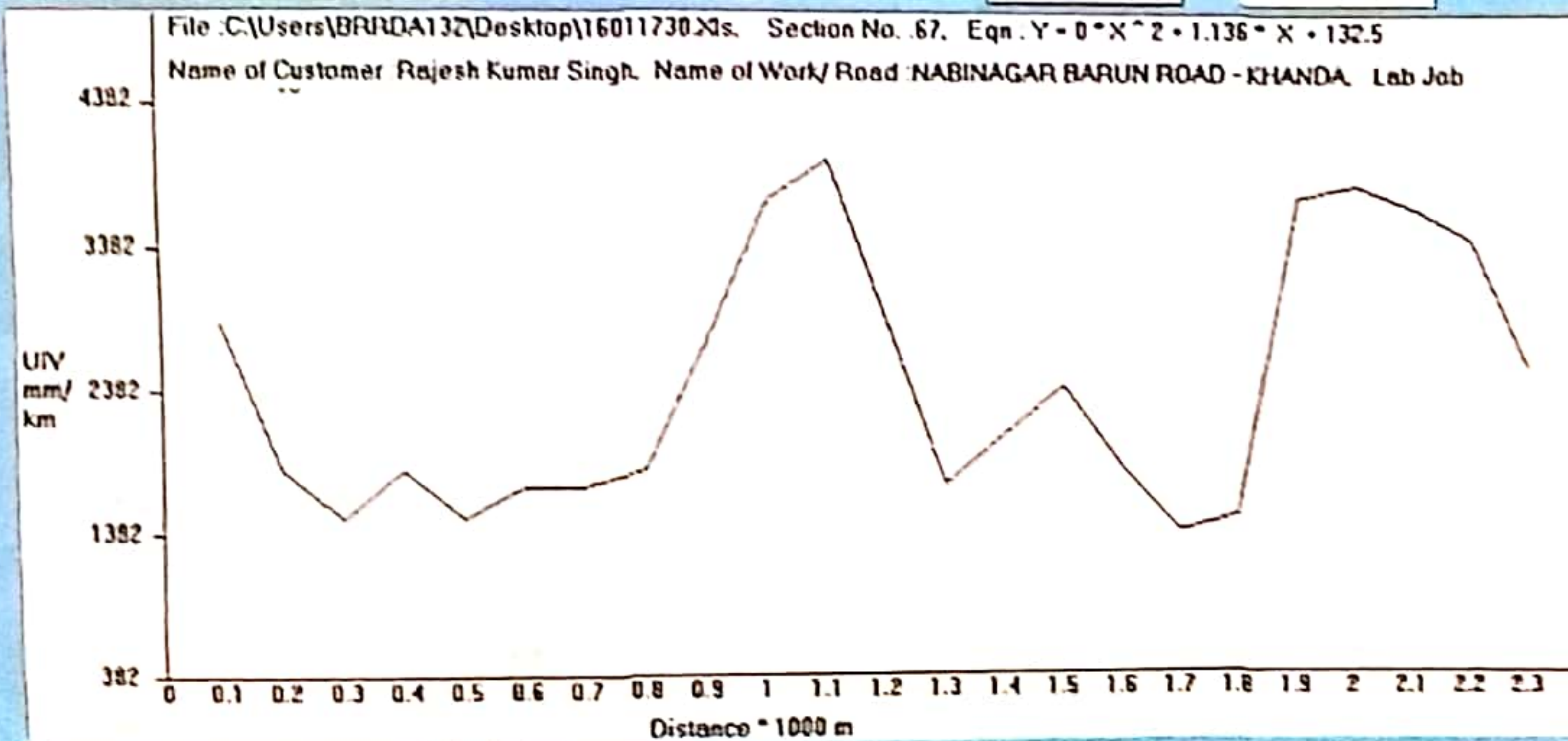
Test Date: 16-01-2021 Road Name: NABINAGAR BARUN ROAD  
Machine No: 377 Road Type: (R) RURAL ROAD  
Start S No: 921 Side: Barun  
Start E No: 943 Interval  
Weather: Normal UV Range: 392 To 5000 1000 mm/km  
Start Location: 24 672685 84: Dist Range: 0 To 24 01 = 1000 m  
End Location: 24 67235 84: Equation:  $Y = 0 \cdot X^2 + 1.136 \cdot X + 132.5$

Print

Generate Report and Graph

Redraw Graph

Map View



Rajesh  
16-01-21  
J.E

16-01-21  
J.E

Rajesh  
19/1/21  
E.E

REPORT ON  
BITUMEN CONTENT TEST  
FOR THE PROPOSED  
C/O

NABINAGAR BARUN ROAD TO KHANDA  
UNDER SCHEME MR 3054  
AGREEMENT NO -70MBD/2019-20

SUBMITTED TO:  
EXECUTIVE ENGINEER  
RWD. WORKS DIVISION, AURANGABAD

AGENCY NAME :  
RAJESH KUMAR SINGH KANHAIYA COMPLEX  
KARMA ROAD AURANGABAD

TESTING BY :  
*OM SAI TESTING AND RESEARCH  
LABORATORY*  
2<sup>ND</sup> FLOOR MAHESWARI COMPLEX FRASER ROAD LODIPUR PATNA  
PIN CODE 800001

# OM SAI TESTING AND RESEARCH LABORATORY

2<sup>nd</sup> floor maheswari complex fraser road patna  
PIN CODE 800001

Ref.....

## BITUMEN CONTENT TEST OF SEMI-DENSE BITUMINOUS CONCRETE

Date .....

Name of Road : NABINAGAR BARUN ROAD TO KHANDA  
UNDER SCHEME MR 3054

Type Of Material : SEMI-DENSE BITUMINOUS  
CONCRETE

DATE OF COLLECTION 29-Nov-20

DATE OF TESTING 3-Dec-20

SAMPLE NO.

| Chainage & Section: |                                                                | 0+520 KM   | 1+385 KM | 1+810 KM |
|---------------------|----------------------------------------------------------------|------------|----------|----------|
| 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       | 6.00     | 6.00     |
| 3                   | Wt. of Mix after extration                                     | 471.98     | 471.48   | 472.03   |
| 4                   | Wt. of filter paper after extration                            | 6.89       | 7.11     | 6.92     |
| 5                   | Wt. of filler collected from extract after allowing for seting | 1.71       | 1.92     | 1.932    |
| 6                   | Wt. of filler collected in filter paper                        | 0.89       | 1.11     | 0.92     |
| 7                   | Wt. of Aggregate + Filler collected after extration            | 474.58     | 474.51   | 474.9    |
| 8                   | Percentage of Bitumen ( in the Mix ) $(A-G) \times 100$        | 5.08       | 5.098    | 5.02     |
|                     | A                                                              |            |          |          |
|                     |                                                                |            |          |          |
|                     |                                                                |            |          |          |
| Layer               |                                                                | Value      |          |          |
| SDBC                |                                                                | Avg. Value | 5.069%   |          |

Checked By

Tested By



# OM SAI TESTING AND RESEARCH LABORATORY

2<sup>nd</sup> floor maheswari complex fraser road patna  
PIN CODE 800001

## TEST RESULTS OF SEMI-DENSE BITUMINOUS CONCRETE FLAKINESS INDEX

Ref.....

### FLAKINESS INDEX

Date .....

NAME OF ROAD NABINAGAR BARUN ROAD TO KHANDA  
UNDER SCHEME MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

02-12-2020

Weight of Sample(gr) - 503 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                        | 48                                              | 6.75                      | 0                                                              |
| 2          | 10                            | 6.3                       | 455                                             | 4.89                      | 49                                                             |
| Total (gm) |                               |                           | W= 503                                          | W= 49                     |                                                                |
|            |                               |                           | F.I.= 9.74                                      |                           |                                                                |

### ELONGATION INDEX

NAME OF ROAD NABINAGAR BARUN ROAD TO KHANDA  
UNDER SCHEME MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

02-12-2020

Weight of Sample(gr) - 503GM

| 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                        | 40                                              | 20.50                     | 0                                                              |
| 2          | 10                            | 6.3                       | 451                                             | 14.70                     | 45                                                             |
| Total (gm) |                               |                           | W= 495                                          |                           |                                                                |
|            |                               |                           | F.I.= 9.09                                      |                           |                                                                |
| F.I.+E.I.= |                               |                           | 9.74+9.09                                       | 18.81                     |                                                                |



Checked By

Tested By

# OM SAI TESTING AND RESEARCH LABORATORY

2<sup>nd</sup> floor maheswari complex fraser road patna  
PIN CODE 800001

Ref.....

Date .....

## TEST RESULTS OF GRADATION FOR SEMI-DENSE BITUMINOUS CONCRETE

NAME OF ROAD NABINAGAR BARUN ROAD TO KHANDA  
UNDER SCHEME MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

02-12-2020

Weight of Sample - 3068 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                 | 110                             | 3.6                  | 3.6                              | 96.4                | 90-100                                            |
| 4.75mm                | 1446                            | 47.12                | 50.72                            | 49.28               | 35-51                                             |
| 2.36mm                | 591                             | 19.26                | 69.98                            | 30.02               | 24-39                                             |
| 1.18mm                | 317                             | 10.34                | 80.32                            | 19.68               | 15-30                                             |
| 0.300mm               | 288                             | 9.08                 | 89.4                             | 10.6                | 9-19.                                             |
| 0.075mm               | 190                             | 6.20                 | 95.6                             | 4.4                 | 3-8.                                              |
| In Pan                | 126                             | 4.4                  | 100                              | 0                   | -                                                 |

Checked By

Tested By



Authorized Signatory