

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

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Mob:- 8986915333

पत्रांक...4763...31/11/2022

औरंगाबाद/दिनांक...12/11/2022

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

कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, औरंगाबाद

(HAND)  
KURU  
12/11/22

# 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 Alloted 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/19/0008 | G. T. ROAD - BISENI       | NEA2200057            | 3140/22.07.2019                               | 9.3                          | 315.85              | 199.24                                               | 84.95                                | 05.02.2020<br>60MBD-2019-20 | 04.11.2020                          | 13.11.2020                | 2474                    | 25.00MM                            | 5.04%                                  | 0.00000                                 | 0.00000                                     | 199.24                                  | Comp.   |
| 2      | RM/AU/AUR/19/0009 | G.T. Road - Soada Keshpur | 10602902014           | 3140/22.07.2019                               | 5.5                          | 191.92              | 124.23                                               | 48.38                                | 20.02.2020<br>82MBD-2019-20 | 19.11.2020                          | 14.11.2020                | 2817                    | 25.00MM                            | 5.051%                                 | 0.00000                                 | 0.00000                                     | 124.23                                  | Comp.   |
| TOTAL  |                   |                           |                       |                                               |                              |                     |                                                      |                                      |                             |                                     |                           |                         |                                    |                                        |                                         |                                             | 323.47                                  |         |

Divisional Accounts Officer  
Rural Works Department, works Division,  
Aurangabad

Executive Engineer  
Rural Works Department  
Works Division, Aurangabad

Steco Analyzer

Name of Customer : MITUL KUMAR SINGH  
 Name of Work/ Road : G.T. Road - Soada Keshpur  
 Lab Job number : 83  
 Date : 14-11-2020  
 Section No. : 83

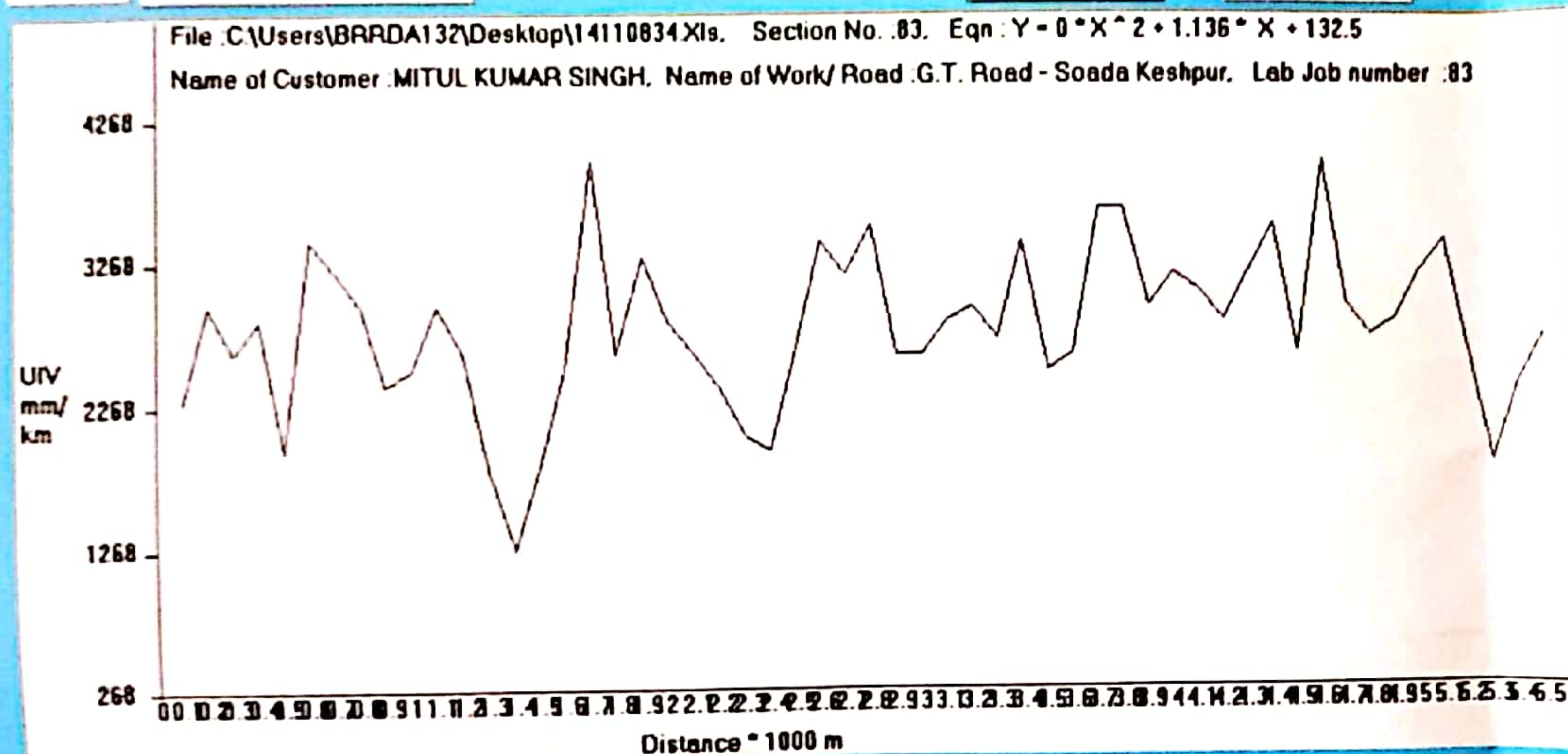
Test Date : 14-11-2020 Road Name : G.T. Road - Soada Keshpur  
 Machine No : 377 Road Type : (R) RURAL ROAD  
 Start S No : 855 Side : BARUN  
 Start E No : 909 Interval  
 Weather : Normal UV Range : 268 To 5000 1000 mm/km  
 Start Location : 24.813342.842 Dist Range : 0 To 56 01 = 1000 m  
 End Location : 24.852303.842 Equation :  $Y = 0 \cdot X^2 + 1.136 \cdot X + 132.5$

Print

Generate Report and Graph

Redraw Graph

Map View



*Dr. S.*  
 14/11/2020  
 S.R.

*[Signature]*  
 15.11.2020  
 AGO

*[Signature]*  
 17/11/2020

# Const Of Road Form G.T. Road - Soada Keshpur

| Date     | Time    | Section<br>No. | Length<br>in km | Bumps<br>in mm | Speed<br>Rate | OR<br>mm/km | UJV  | CATEGORY<br>ROAD | IRI  | Latitude | Longitude | Event         |
|----------|---------|----------------|-----------------|----------------|---------------|-------------|------|------------------|------|----------|-----------|---------------|
| 14/11/20 | 8:10:16 | 83             | 0.1             | 190            | 30.3          | 1900        | 2290 | G                |      |          |           |               |
| 14/11/20 | 8:16:33 | 83             | 0.1             | 250            | 20.2          | 2500        | 2972 | G                | 3.16 | 24.81334 | 84.218585 | Normal        |
| 14/11/20 | 8:17:0  | 83             | 0.1             | 220            | 20.2          | 2200        | 2631 | G                | 3.99 | 24.81253 | 84.218687 | Normal        |
| 14/11/20 | 8:17:9  | 83             | 0.1             | 240            | 30.3          | 2400        | 2858 | G                | 3.58 | 24.81344 | 84.218535 | Normal        |
| 14/11/20 | 8:17:9  | 83             | 0.1             | 160            | 30.3          | 1600        | 1950 | G                | 3.85 | 24.81436 | 84.21845  | Normal        |
| 14/11/20 | 8:18:0  | 83             | 0.1             | 290            | 20.3          | 2900        | 3426 | G                | 2.74 | 24.81535 | 84.2184   | Normal        |
| 14/11/20 | 8:20:5  | 83             | 0.1             | 270            | 10.1          | 2700        | 3199 | G                | 3.53 | 24.81622 | 84.21842  | Speed Breaker |
| 14/11/20 | 8:21:0  | 83             | 0.1             | 250            | 10.1          | 2500        | 2972 | G                | 4.26 | 24.81694 | 84.218905 | Normal        |
| 14/11/20 | 8:21:0  | 83             | 0.1             | 200            | 20.2          | 2000        | 2404 | G                | 3.99 | 24.81782 | 84.219242 | Normal        |
| 14/11/20 | 8:21:16 | 83             | 0.1             | 210            | 30.3          | 2100        | 2518 | G                | 3.3  | 24.81868 | 84.219595 | Normal        |
| 14/11/20 | 8:21:16 | 83             | 0.1             | 250            | 30.3          | 2500        | 2972 | G                | 3.44 | 24.8195  | 84.219948 | Normal        |
| 14/11/20 | 8:21:16 | 83             | 0.1             | 220            | 30.3          | 2200        | 2631 | G                | 3.99 | 24.82037 | 84.22015  | Normal        |
| 14/11/20 | 8:21:51 | 83             | 0.1             | 150            | 30.3          | 1500        | 1836 | G                | 3.58 | 24.8213  | 84.220235 | Normal        |
| 14/11/20 | 8:22:0  | 83             | 0.1             | 100            | 30.3          | 1000        | 1268 | G                | 2.6  | 24.822   | 84.220842 | Normal        |
| 14/11/20 | 8:22:0  | 83             | 0.1             | 150            | 30.3          | 1500        | 1836 | G                | 1.87 | 24.82253 | 84.2217   | Normal        |
| 14/11/20 | 8:22:26 | 83             | 0.1             | 210            | 30.3          | 2100        | 2518 | G                | 2.6  | 24.82322 | 84.222222 | Normal        |
| 14/11/20 | 8:22:26 | 83             | 0.1             | 340            | 20.2          | 3400        | 3994 | G                | 3.44 | 24.8241  | 84.222777 | Bridge        |
| 14/11/20 | 8:23:2  | 83             | 0.1             | 220            | 30.3          | 2200        | 2631 | G                | 3.69 | 24.82491 | 84.223097 | Speed Breaker |
| 14/11/20 | 8:23:2  | 83             | 0.1             | 280            | 30.3          | 2800        | 3313 | G                | 3.58 | 24.82579 | 84.22343  | Normal        |
| 14/11/20 | 8:23:2  | 83             | 0.1             | 240            | 30.3          | 2400        | 2858 | G                | 3.14 | 24.82666 | 84.223787 | Normal        |
| 14/11/20 | 8:23:37 | 83             | 0.1             | 220            | 30.3          | 2200        | 2631 | G                | 3.85 | 24.82746 | 84.224073 | Normal        |
| 14/11/20 | 8:23:37 | 83             | 0.1             | 200            | 30.3          | 2000        | 2404 | G                | 3.58 | 24.8283  | 84.224512 | Normal        |
| 14/11/20 | 8:23:37 | 83             | 0.1             | 170            | 30.3          | 1700        | 2063 | G                | 3.3  | 24.82918 | 84.224898 | Normal        |
| 14/11/20 | 8:24:0  | 83             | 0.1             | 160            | 30.3          | 1600        | 1950 | G                | 2.88 | 24.83003 | 84.225202 | Normal        |
| 14/11/20 | 8:24:12 | 83             | 0.1             | 220            | 20.2          | 2200        | 2631 | G                | 2.74 | 24.83087 | 84.225522 | Normal        |
| 14/11/20 | 8:24:12 | 83             | 0.1             | 290            | 20.2          | 2900        | 3426 | G                | 3.58 | 24.83178 | 84.225925 | Normal        |
| 14/11/20 | 8:25:0  | 83             | 0.1             | 270            | 10.1          | 2700        | 3199 | G                | 3.53 | 24.83262 | 84.226295 | Speed Breaker |
| 14/11/20 | 8:25:0  | 83             | 0.1             | 300            | 20.2          | 3000        | 3540 | G                | 3.26 | 24.83349 | 84.226093 | Normal        |
| 14/11/20 | 8:25:23 | 83             | 0.1             | 220            | 20.2          | 2200        | 2631 | G                | 3.66 | 24.83432 | 84.226363 | Speed Breaker |
| 14/11/20 | 8:25:23 | 83             | 0.1             | 220            | 20.2          | 2200        | 2631 | G                | 3.58 | 24.83523 | 84.226665 | Normal        |
| 14/11/20 | 8:26:0  | 83             | 0.1             | 240            | 10.1          | 2400        | 2858 | G                | 3.58 | 24.83607 | 84.226952 | Normal        |
| 14/11/20 | 8:26:33 | 83             | 0.1             | 250            | 10.1          | 2500        | 2972 | G                | 3.85 | 24.83696 | 84.227322 | Normal        |
| 14/11/20 | 8:27:0  | 83             | 0.1             | 230            | 20.2          | 2300        | 2745 | G                | 3.99 | 24.83781 | 84.227658 | Normal        |
| 14/11/20 | 8:27:9  | 83             | 0.1             | 290            | 30.3          | 2900        | 3426 | G                | 3.72 | 24.8386  | 84.228063 | Normal        |
| 14/11/20 | 8:27:9  | 83             | 0.1             | 210            | 30.3          | 2100        | 2518 | G                | 4.53 | 24.83951 | 84.228232 | Normal        |
| 14/11/20 | 8:27:9  | 83             | 0.1             | 220            | 30.3          | 2200        | 2631 | G                | 3.44 | 24.8404  | 84.22838  | Normal        |
| 14/11/20 | 8:28:0  | 83             | 0.1             | 310            | 10.1          | 3100        | 3654 | G                | 3.58 | 24.84137 | 84.228568 | Normal        |
| 14/11/20 | 8:28:0  | 83             | 0.1             | 310            | 10.1          | 3100        | 3654 | G                | 3.5  | 24.84224 | 84.22877  | Speed Breaker |

$$Y = 0 * X^2 + 1.136 * X + 132.5$$

$$X = 2363$$

$$Y = 2817$$

(R) RURAL ROAD

Good      Average      Poor  
<4000      4001-5000      >5001

14/11/2020  
J.E

15/11/20  
A.E

17/11/2020

|              |         |    |     |     |      |      |      |   |      |          |           |               |
|--------------|---------|----|-----|-----|------|------|------|---|------|----------|-----------|---------------|
| 14/11/20     | 8:28:19 | 83 | 0.1 | 310 | 20.2 | 3100 | 3654 | G | 3.28 | 24.84316 | 84.228838 | Normal        |
| 14/11/20     | 8:28:19 | 83 | 0.1 | 250 | 10.1 | 2500 | 2972 | G | 3.99 | 24.84402 | 84.229073 | Normal        |
| 14/11/20     | 8:28:54 | 83 | 0.1 | 270 | 30.3 | 2700 | 3199 | G | 3.26 | 24.84487 | 84.229308 | Normal        |
| 14/11/20     | 8:29:0  | 83 | 0.1 | 260 | 20.2 | 2600 | 3086 | G | 3.13 | 24.84515 | 84.23003  | Normal        |
| 14/11/20     | 8:29:0  | 83 | 0.1 | 240 | 30.3 | 2400 | 2858 | G | 3.85 | 24.84485 | 84.230975 | Normal        |
| 14/11/20     | 8:29:30 | 83 | 0.1 | 270 | 20.2 | 2700 | 3199 | G | 3.26 | 24.84453 | 84.231935 | Normal        |
| 14/11/20     | 8:29:30 | 83 | 0.1 | 300 | 20.2 | 3000 | 3540 | G | 3.66 | 24.84435 | 84.232962 | Normal        |
| 14/11/20     | 8:30:5  | 83 | 0.1 | 220 | 10.1 | 2200 | 2631 | G | 3.58 | 24.84425 | 84.233922 | Speed Breaker |
| 14/11/20     | 8:30:40 | 83 | 0.1 | 340 | 10.1 | 3400 | 3994 | G | 3.19 | 24.84505 | 84.234325 | Speed Breaker |
| 14/11/20     | 8:31:0  | 83 | 0.1 | 250 | 10.1 | 2500 | 2972 | G | 3.99 | 24.84589 | 84.234612 | Normal        |
| 14/11/20     | 8:31:16 | 83 | 0.1 | 230 | 10.1 | 2300 | 2745 | G | 3.72 | 24.8468  | 84.234982 | Normal        |
| 14/11/20     | 8:31:51 | 83 | 0.1 | 240 | 10.1 | 2400 | 2858 | G | 3.85 | 24.84767 | 84.235387 | Normal        |
| 14/11/20     | 8:32:0  | 83 | 0.1 | 270 | 10.1 | 2700 | 3199 | G | 3.26 | 24.84847 | 84.235773 | Normal        |
| 14/11/20     | 8:32:26 | 83 | 0.1 | 290 | 10.1 | 2900 | 3426 | G | 3.53 | 24.8491  | 84.236328 | Normal        |
| 14/11/20     | 8:33:0  | 83 | 0.1 | 220 | 20.2 | 2200 | 2631 | G | 3.58 | 24.84966 | 84.236868 | Normal        |
| 14/11/20     | 8:33:1  | 83 | 0.1 | 150 | 30.3 | 1500 | 1836 | G | 2.6  | 24.85049 | 84.237188 | Normal        |
| 14/11/20     | 8:33:1  | 83 | 0.1 | 200 | 30.3 | 2000 | 2404 | G | 3.3  | 24.85144 | 84.237558 | Normal        |
| 14/11/20     | 8:33:1  | 83 | 0.1 | 230 | 30.3 | 2300 | 2745 | G | 3.72 | 24.8523  | 84.237793 | Normal        |
| Total Length |         |    | 5.5 |     |      |      |      |   |      |          |           |               |

*J.E.*  
14/11/2020  
J.E

*A.E.*  
15.11.2020  
A.E

*E"E*  
17/11/2020  
E"E

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

**GT ROAD TO SONDA KESHOPUR ROAD  
UNDER SCHEME MR 3054  
AGREEMENT NO :82MBD-2019-20**

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

**AGENCY NAME :  
MITUL KUMAR SINGH  
CLUB ROAD AURANGABAD BIHAR**

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

**2<sup>ND</sup> FLOOR MAHESWARI COMPLEX FRASER ROAD PATNA  
PIN CODE 800001**

# OM SAI TESTING AND RESEARCH LABORATORY

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

PIN CODE 800001

## BITUMEN CONTENT TEST OF SEMI-DENSE BITUMINOUS CONCRETE

Ref.....  
Name of Road : GT ROAD TO SONDA KESHOPUR ROAD UNDER SCHEME  
MR 3054

Date .....  
TYPE OF MATERIAL : SEMI-DENSE  
BITUMINOUS CONCRETE

DATE OF COLLECTION 3-Nov-20

DATE OF TESTING 6-Nov-20

SAMPLE NC 1,2,3

| Chainage & Section:            |                                                                | 0+920 KM   | 2+515 KM | 4+840 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       | 6.01     | 6.02     |
| 3                              | Wt. of Mix after extration                                     | 471.78     | 472.12   | 471.98   |
| 4                              | Wt. of filter paper after extration                            | 7.21       | 7.31     | 7.41     |
| 5                              | Wt. of filler collected from extract after allowing for seting | 1.61       | 1.46     | 1.390    |
| 6                              | Wt. of filler collected in filter paper                        | 1.21       | 1.3      | 1.39     |
| 7                              | Wt. of Aggregate + Filler collected after extration            | 474.6      | 474.88   | 474.8    |
| 8                              | Percentage of Bitumen ( in the Mix ) $(A-G) \times 100$        | 5.08       | 5.024    | 5.05     |
|                                | A                                                              |            |          |          |
| LAYER                          |                                                                | Value      |          |          |
| SEMI-DENSE BITUMINOUS CONCRETE |                                                                | Avg. Value | 5.051%   |          |

Checked By

Tested By



# OM SAI TESTING AND RESEARCH LABORATORY

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

PIN CODE 800001

Ref... TEST RESULTS OF GRADATION FOR SEMI-DENSE BITUMINOUS CONCRETE Date...

NAME OF ROAD .GT ROAD TO SONDA KESHOPUR ROAD UNDER SCHEME MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

05-11-2020

Weight of Sample - 4913 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                 | 92                              | 1.9                  | 1.9                              | 98.1                | 90-100                                            |
| 4.75mm                | 2936                            | 59.8                 | 61.6                             | 38.4                | 35-51                                             |
| 2.36mm                | 530                             | 10.8                 | 72.4                             | 27.6                | 24-39                                             |
| 1.18mm                | 265                             | 5.4                  | 77.8                             | 22.2                | 15-30                                             |
| 0.300mm               | 273                             | 5.6                  | 83.4                             | 16.6                | 9-19.                                             |
| 0.075mm               | 494                             | 10.10                | 93.4                             | 6.6                 | 3-8.                                              |
| In Pan                | 323                             | 6.6                  | 100                              | 0.00                | -                                                 |

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 GT ROAD TO SONDA KESHOPUR ROAD UNDER SCHEME MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

05-11-2020

Weight of Sample(gr) - 529 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                        | 28                                              | 6.75                      | 0                                                              |
| 2          | 10                            | 6.3                       | 401                                             | 4.89                      | 48                                                             |
| Total (gm) |                               |                           | W= 429                                          |                           | W= 48                                                          |
|            |                               |                           | F.I.= 11.19                                     |                           |                                                                |

### ELONGATION INDEX

NAME OF ROAD GT ROAD TO SONDA KESHOPUR ROAD UNDER SCHEME MR 3054

Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test

05-11-2020

Weight of Sample(gr) - 417 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                        | 28                                              | 20.50                     | 0                                                              |
| 2                      | 10                            | 6.3                       | 389                                             | 14.70                     | 0                                                              |
| Total (gm)             |                               |                           | W= 417                                          |                           |                                                                |
|                        |                               |                           | F.I.= 10.79                                     |                           |                                                                |
| F.I.+E.I.= 11.19+10.79 |                               |                           | 21.98%                                          |                           |                                                                |

Checked By

Tested By

Scanned with CamScanner

Scanned with CamScanner