

Road Name- Areraj Bettiah PWD Road ke English Gaon To REO Path tak Sadak Nirman, Contractor- Ramakant Mishra

| Date    | Time     | Section No. | Length in km | Bumps in mm | Speed Rate | OR mm/km | IRI in mm/km | CATEGORY | Latitude  | Longitude | Event  |
|---------|----------|-------------|--------------|-------------|------------|----------|--------------|----------|-----------|-----------|--------|
| 11/8/20 | 14:39:0  | 32          | 0.1          | 270         | 0          | 2700     | 2763 G       | ROAD     | 26.617938 | 84.591178 | Normal |
| 11/8/20 | 14:43:38 | 32          | 0.1          | 290         | 30.3       | 2900     | 2972 G       |          | 26.61664  | 84.591127 | Normal |
| 11/8/20 | 14:44:13 | 32          | 0.1          | 270         | 30.3       | 2700     | 2763 G       |          | 26.615743 | 84.590958 | Normal |
| 11/8/20 | 14:44:13 | 32          | 0.1          | 310         | 30.3       | 3100     | 3182 G       |          | 26.614875 | 84.590673 | Normal |
| 11/8/20 | 14:45:0  | 32          | 0.1          | 270         | 20.1       | 2700     | 2763 G       |          | 26.614507 | 84.589915 | Normal |
| 11/8/20 | 14:45:24 | 32          | 0.1          | 280         | 30.3       | 2800     | 2868 G       |          | 26.614282 | 84.588872 | Normal |
| 11/8/20 | 14:45:24 | 32          | 0.03         | 90          | 30.3       | 3000     | 3077 G       |          | 26.613975 | 84.58904  | Normal |
|         |          |             |              |             |            |          | Total        |          |           |           |        |
|         |          |             |              |             |            |          | 20388        |          |           |           |        |
|         |          |             |              |             |            |          | Average      |          |           |           |        |
|         |          |             |              |             |            |          | 2912.57      |          |           |           |        |

$$Y = 0 * X^2 + 1.047 * X - 63.36$$

$$X = 3000$$

$$Y = 3077$$

(R) RURAL ROAD  
Good Average Poor  
<4000 4001-5000 >5001

11/8/20  
EXECUTIVE ENGINEER  
R.W.D. (W.D.)  
ARERAJ

11/8/20  
11/8/20  
11/8/20

11/8/20  
11/8/20  
11/8/20

Customer: Ramakant Mishra

Name of Work/ Road: Areraj Betiah PWD Road ke En

Job number: 32

Date: 11-Aug-20

Section No. 32

Test Date: 11-Aug-20

Machine No: 387

Start S No: 0.000 KM

Start E No: 0.620 KM

Weather: Good

Start Location: English Gao

End Location: REO Path

Road Name: REO Path Tak Sadak Niranman

Road Type: (R) RURAL ROAD

Side:

Interval

UIV Range: 1763 To 4000 mm/km

Dist Range: 0 To 0.8 \* 1000 m

Equation:  $Y = 0 * X^2 + 1.047 * X - 63.36$

File: D:\BuMP Indicator\Areraj\Ramakant Mishra\Section no. 32.Xls, Section No.: 32, Eqn:  $Y = 0 * X^2 + 1.047 * X$

Name of Customer: Ramakant Mishra, Name of Work/ Road: Areraj Betiah PWD Road ke English Gaon To REO

UIV 2763 mm/km

1763 0 0.1 0.2 0.3 0.4 0.6 0.7

Distance \* 1000 m

EXECUTIVE ENGINEER  
R.W.D. (W.D.)  
ARERAJ

332/2020-21

ଡାକ୍ତରୀ, ଚିକିତ୍ସା ପ୍ରଦର୍ଶନ  
କୋମ୍ପ୍ୟୁଟରୀଜିଡିଆନ  
୪୫୫୫ ୧୭୫୫

# Schedule XLV-Form No. 134

ଡାକ୍ତରୀ

DIVISION

୧୧୧୧୧୧

SUB-DIVISION

## Measurement Book

ସ୍ତ୍ରୀ ଡାକ୍ତରୀ, ଡାକ୍ତରୀ

1st on H.C.

Name of Work- Repair of road from  
 Situation of Work- ~~Bareraj~~ Rathiya puring,  
 Agency by which work is executed- ~~Bareraj~~ K. K. English  
 Date of Measurement- ~~Bareraj~~ 4-04-2020  
 No. and date of agreement- ~~Bareraj~~ 4-04-2020

(These four lines should be repeated at the commencement of the measurement relating to each work)

| Particulars                       | Details of actual measurement |    |    |    | Contents of area |
|-----------------------------------|-------------------------------|----|----|----|------------------|
|                                   | No.                           | L. | B. | D. |                  |
| Agony - Ram Shankar Mishra        |                               |    |    |    |                  |
| Ag No                             | 4M 35/19-20                   |    |    |    |                  |
| Date of start -                   | 27-5-20                       |    |    |    |                  |
| Date of complete -                |                               |    |    |    |                  |
| ① Cheering & Gromberg Road        |                               |    |    |    |                  |
| Land on                           |                               |    |    |    |                  |
|                                   | 2 x 10 x 10 x 1.00            |    |    |    | 1240             |
|                                   |                               |    |    |    | = 0.124          |
| ② cut of Subgrade                 |                               |    |    |    |                  |
| Greenham shoulder                 |                               |    |    |    |                  |
| Plank - 2 x 10 x 10 x 6.20        |                               |    |    |    | 301.372          |
| ③ <del>Plank</del> of S.B. ground |                               |    |    |    |                  |
| Details of pits                   |                               |    |    |    |                  |
| from 00 to 620 m                  |                               |    |    |    |                  |
|                                   | 10 x 0.80 x 0.50 x 0.15       |    |    |    | 0.60             |
|                                   | 12 x 0.900 x 0.100 x 0.125    |    |    |    | 0.144            |
|                                   | 11 x 1.20 x 0.30 x 0.15       |    |    |    | 0.594            |
|                                   | 10 x 1.90 x 0.20 x 0.15       |    |    |    | 0.620            |
|                                   | 13 x 1.70 x 0.70 x 0.15       |    |    |    | 2.320            |
|                                   | 14 x 1.50 x 0.30 x 0.15       |    |    |    | 0.810            |
|                                   | 13 x 1.50 x 0.30 x 0.15       |    |    |    | 0.810            |
|                                   | 12 x 1.20 x 0.60 x 0.15       |    |    |    | 1.512            |
|                                   | 16 x 1.30 x 0.40 x 0.15       |    |    |    | 1.254            |
|                                   | 12 x 1.10 x 0.30 x 0.15       |    |    |    | 0.648            |
|                                   | 13 x 1.20 x 0.40 x 0.15       |    |    |    | 1.254            |
|                                   | 13 x 1.00 x 0.60 x 0.15       |    |    |    | 0.945            |

1st on A/C  
ABSTRACT OF COST

9

Sch. XLV-Form No. 134

| Particulars                                      | Details of actual measurement |    |         |    | Contents of area |
|--------------------------------------------------|-------------------------------|----|---------|----|------------------|
|                                                  | No.                           | L. | B.      | D. |                  |
| 1) Clearing & grubbing of road land - 2          |                               |    |         |    |                  |
| Qty for vide Pg. 1, 2                            |                               |    |         |    |                  |
| 70.12 H                                          | 494                           | 96 | 70.12 H |    | 159392           |
| 2) Construction of Subgrade & position shoulder  |                               |    |         |    |                  |
| Qty for vide Pg. 1, 2                            |                               |    |         |    |                  |
| 2 372.0 m <sup>2</sup> @ 176.75/m <sup>2</sup>   |                               |    |         |    | 657512           |
| 3) Paving 5/11 grt. B                            |                               |    |         |    |                  |
| Qty for vide Pg. 1, 2                            |                               |    |         |    |                  |
| 2 48.59 m <sup>2</sup> @ 22.89.03/m <sup>2</sup> |                               |    |         |    | 1112242          |
| 4) Paving 5/11 grt. I - 2                        |                               |    |         |    |                  |
| Qty for vide Pg. 1, 2                            |                               |    |         |    |                  |
| 7.29.49 m <sup>2</sup> @ 4238.90/m <sup>2</sup>  |                               |    |         |    | 125005           |
| 5) Paving 5/11 grt. II - 2                       |                               |    |         |    |                  |
| Qty for vide Pg. 1, 2                            |                               |    |         |    |                  |
| 2 52.25 m <sup>2</sup> @ 3821.53/m <sup>2</sup>  |                               |    |         |    | 199675           |
| 6) Primer coat                                   |                               |    |         |    |                  |
| Area for vide Pg. 1, 2                           |                               |    |         |    |                  |
| 2 703.63 m <sup>2</sup> @ 416.1/m <sup>2</sup>   |                               |    |         |    | 1292782          |
| 7) Tack Coat                                     |                               |    |         |    |                  |
| Area for vide Pg. 1, 2                           |                               |    |         |    |                  |
| 2 3051.88 m <sup>2</sup> @ 14.11/m <sup>2</sup>  |                               |    |         |    | 430622           |
| 8) Patch work over                               |                               |    |         |    |                  |
| W.B.M. 400g M 17 Sepu                            |                               |    |         |    |                  |
| Qty for vide Pg. 1, 2                            |                               |    |         |    |                  |
| 2 703.63 m <sup>2</sup> @ 207.68/m <sup>2</sup>  |                               |    |         |    | 1461292          |
| Continuation                                     |                               |    |         |    |                  |
| 2 703.63 m <sup>2</sup> @ 207.68/m <sup>2</sup>  |                               |    |         |    | 1461292          |
| 15726063 20                                      |                               |    |         |    |                  |

| Particulars                           | Details of actual measurement |    |    |        | Contents of area |
|---------------------------------------|-------------------------------|----|----|--------|------------------|
|                                       | No.                           | L. | B. | D.     |                  |
| (9) Semi Dense Bituminous concrete    |                               |    |    | BFB    | 7260632          |
| Qty for wide P6 item 9                |                               |    |    |        |                  |
| → 58.71 m <sup>3</sup> @ 10425        |                               |    |    | 10/100 | 614987           |
| (10) Kilometre stone                  |                               |    |    |        |                  |
| No for wide P6 item 10                |                               |    |    |        |                  |
| (5) Ordinar CM                        |                               |    |    |        |                  |
| → 1 No @ 2399-23                      |                               |    |    |        | 2399             |
| (5) 200 m stay                        |                               |    |    |        |                  |
| → 1 No @ 645-73                       |                               |    |    |        | 1937             |
| (1) Bore for 4 place                  |                               |    |    |        |                  |
| 9 dense for 4 place                   |                               |    |    |        |                  |
| No for wide P6 item 11                |                               |    |    |        |                  |
| → 1.92 m <sup>3</sup> @ 12421         |                               |    |    | 10/100 | 23848            |
| (12) Retro reflective traffic sign    |                               |    |    |        |                  |
| for wide P7 item 12                   |                               |    |    |        |                  |
| (5) 600 mm quadrat                    |                               |    |    |        |                  |
| transverse                            |                               |    |    |        |                  |
| → 5 No @ 3506.58                      |                               |    |    |        | 19532            |
| (55) brown Circular                   |                               |    |    |        |                  |
| → 2 No @ 3805.93                      |                               |    |    |        | 7611             |
| (555) brown 450mm Rectangular         |                               |    |    |        |                  |
| → 1 No @ 3676.81                      |                               |    |    |        | 3676             |
| (13) Road Marking thermoplastic paint |                               |    |    |        |                  |
| Qty for wide P7 item 13               |                               |    |    |        |                  |
| → 124.0 m <sup>2</sup> @ 735.40       |                               |    |    |        | 91189.2          |
| (14) Logo of maintenance              |                               |    |    |        |                  |
| proposed                              |                               |    |    |        |                  |

Continuation

Qty for wide P7 item 14

→ 5 Nos @ 9488.40 each → 47442

15376842

C/O

material

(1) Subgrade  $\delta = 372.00$

(2) stone metal  $\delta = 38.77 \text{ m}^3$

(3) stone metal  $\delta = 10.89 \text{ m}^3$

(4) screening material  
 $\delta = 25.84 \text{ m}^3 + 25.00 \text{ m}^3$   
 $= 50.84 \text{ m}^3$

(5) stone ch"  $\delta =$   
 $= 18.99 \text{ m}^3 + 58.71 \text{ m}^3 = 77.70 \text{ m}^3$

(6) Emulsion SS,  $\delta = 0.6118 \text{ m}^3$   
PS,  $\delta = 0.8240 \text{ m}^3$

(7) Bitumen,  $\delta = 1.3368 \text{ m}^3 + 6.7742$   
 $= 8.1110 \text{ m}^3 \text{ m}^3$

Continuation

कार्यपालक अभियंता का कार्यालय,  
ग्रामीण कार्य विभाग, कार्य प्रमण्डल, अरेराज,

पत्रांक- का0अ0-अरेराज-369 / 17.18.305

/दिनांक 12/08/2020

प्रेषक :- कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमण्डल अरेराज।

सेवा में,  
अपर मुख्य कार्यपालक पदा0-सह0-सचिव,  
बिहार पथ विकास अभिकरण, पटना।

विशय:- MR(3054) New Maintenance Policy-2018 योजनान्तर्गत राशि की अधियाचना के संबंध में।

महाशय,

उपरोक्त विषय के संबंध में कहना है कि MR(3054) New Maintenance Policy-2018 योजनान्तर्गत राशि का व्यय किया गया है। अनुरोध है कि अधियाचना प्रपत्र में दर्शाये गये प्राप्त आवंटन एवं व्यय को मानते हुए अधियाचित राशि उपलब्ध कराने की कृपा की जाय। कार्य का निरीक्षण किया कार्य संतोषप्रद है। उक्त पथ में ए0टी0आर0 लंबित नहीं है।

- अनु0- 1) अधियाचना प्रपत्र।  
2) 19 ए प्रपत्र।  
3) एकरारनामा की छाया प्रति।  
4) Signed Hard Copy and Soft Copy (in excel) of recorded IRI is enclosed

विश्वासभाजन,

कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमण्डल -अरेराज।

कार्यपालक अभियंता का कार्यालय,  
ग्रामीण कार्य विभाग, कार्य प्रमण्डल, अरेराज,

पत्रांक- का0अ0-अरेराज-369 / .....

/दिनांक .....

प्रेषक :- कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमण्डल अरेराज।

सेवा में,

अपर मुख्य कार्यपालक पदा0-सह0-सचिव,  
बिहार पथ विकास अभिकरण, पटना।

विशय:- MR(3054) New Maintenance Policy-2018 योजनान्तर्गत राशि की अधियाचना के संबंध में।

महाशय,

उपरोक्त विषय के संबंध में कहना है कि MR(3054) New Maintenance Policy-2018 योजनान्तर्गत राशि का व्यय किया गया है। अनुरोध है कि अधियाचना प्रपत्र में दर्शाये गये प्राप्त आवंटन एवं व्यय को मानते हुए अधियाचित राशि उपलब्ध कराने की कृपा की जाय। कार्य का निरीक्षण किया कार्य संतोषप्रद है। उक्त पथ में ए0टी0आर0 लंबित नहीं है।

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3) एकरारनामा की छाया प्रति।  
4) Signed Hard Copy and Soft Copy (in excel) of recorded IRI is enclosed

विश्वासभाजन,

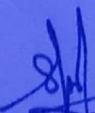


कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमण्डल -अरेराज।

ज्ञापक-का0अ0-अरेराज-369 / 1718

/दिनांक 14-08-2020

प्रतिलिपि :- नोडल पदाधिकारी, MR-3054, ग्रामीण कार्य विभाग, बिहार, पटना को सूचनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित।

  
कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमण्डल-अरेराज।

14/8/2020

**OFFICE OF THE EXECUTIVE ENGINEER,  
RURAL WORKS DEPARTMENT, WORKS DIVISION, ARAJ.**

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

Name of Works Division : Araj

| 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 Allocated Amount (in lakh) | up-to-date expenditure as per MIS (in Lakh) | Requestion against work done (in Lakh) | Remarks |
|--------|---------------------|------------------------------|-----------------------|------------------------------------------------|------------------------------|---------------------|------------------------------------------------------|---------------------------------------|------------------------------------|-------------------------------------|---------------------------|-------------------------|------------------------------------|----------------------------------------|-------------------------------------------|---------------------------------------------|----------------------------------------|---------|
|        |                     |                              |                       |                                                | Length (in Km)               | Amount of (in Lakh) | Initial Rectification with Surface Renewal (in lakh) | 5 Years Routine Maintenance (in Lakh) |                                    |                                     |                           |                         |                                    |                                        |                                           |                                             |                                        |         |
| 1      | 2                   | MR-N/19-20 Araj/-16          | 31708301016           | Latter No. 3308<br>Date- 31.07.2019            | 0.620                        | 29.24690            | 18.38033                                             | 5.58680                               | 04-MBD/2020-21<br>Date- 27.05.2020 | 26.02.2021                          | In Progress               | 2912.57                 | 25                                 | 5.00                                   | 0.00000                                   | 0.00000                                     | 17.37408                               | Ongoing |
| 2      | MR-N/19-20 Araj/-16 | English Gaon To RCO Path tak | 31708202163           | Latter No. 3308<br>Date- 31.07.2019            | 3.016                        | 130.46690           | 109.50733                                            | 34.69052                              | 04-MBD/2020-21<br>Date- 27.05.2020 | 26.02.2021                          | In Progress               | 2449.97                 | 25                                 | 5.01                                   | 0.00000                                   | 0.00000                                     | 102.99386                              | Ongoing |
| 3      | MR-N/19-20 Araj/-16 | Khairwa To Bhanja Chhapra    | 31708202092           | Latter No. 3308<br>Date- 31.07.2019            | 2.890                        | 121.75080           | 54.43132                                             | 16.74380                              | 04-MBD/2020-21<br>Date- 27.05.2020 | 26.02.2021                          | In Progress               | 3042.28                 | 25                                 | 5.00                                   | 0.00000                                   | 0.00000                                     | 51.26624                               | Ongoing |
|        |                     |                              |                       |                                                | 6.526                        | 281.465             | 182.31898                                            | 57.02112                              |                                    |                                     |                           |                         |                                    |                                        | 0.00000                                   | 0.00000                                     | 171.63418                              |         |

- 1 Signed Hard Copy and Soft Copy (in excel) of recorded IRI is enclosed.
- 2 Up-to-date Physical Progress has been uploaded in MIS.

Executive Engineer,  
Rural Works Department,  
Works Division, Araj.

14/8/2020