



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## FLOOD DAMAGE REPORT

### DETAIL ESTIMATE OF RESTAURATION WORK

YEAR (2021-2022)

DISTRICT :- BHOJPUR  
DIVISION :- ARA  
BLOCK :- AGIAON

|                       |    |                                   |
|-----------------------|----|-----------------------------------|
| NAME OF ROAD          | :- | PWD ROAD-TARACHAK                 |
| LENGTH OF ROAD        | :- | 1.53 K.M                          |
| YEAR OF RESTORATION   | :- | 2021-22                           |
| COST OF RESTORATION   | :- | Rs 444100.00                      |
| TOTAL COST OF PROJECT | :- | Rs. <del>4441</del> Lacs 374 /acs |

**SUBMITTED BY :-**

EXECUTIVE ENGINEER  
RURAL WORKS DIVISION ARA  
BHOJPUR

| S. No. | District | Division | Road Name                  | Scheme | Road Status | Is Mainstream (Y/N) | Is Agreement (Y/N) | Length in Km. | Length of Damage Part Due to Flood | Estimated Amount in Lakhs | Actual Amount in Lakhs | Remarks      | FIN Year | Start Longitude | Start Latitude | End Longitude | End Latitude | End Longitude | End Latitude | Remarks      |
|--------|----------|----------|----------------------------|--------|-------------|---------------------|--------------------|---------------|------------------------------------|---------------------------|------------------------|--------------|----------|-----------------|----------------|---------------|--------------|---------------|--------------|--------------|
| 1      | Bhopal   | Arb      | PWTO Road Turchak          | New MR | Completed   | No                  | No                 | 1.53          | 0.3                                | 7                         | 0                      | Departmental | 2021-22  | 88.673632       | 25.13636       | 88.673632     | 25.13636     | 88.673632     | 25.13636     | Departmental |
| 2      | Bhopal   | Arb      | TUC-2 Chhatarpur           | New MR | Completed   | No                  | No                 | 1.7           | 0.3                                | 10                        | 0                      | Departmental | 2021-22  | 88.673632       | 25.13636       | 88.673632     | 25.13636     | 88.673632     | 25.13636     | Departmental |
| 3      | Bhopal   | Arb      | OS2-T04 to Madampur (VR52) | New MR | Completed   | No                  | No                 | 2             | 0.3                                | 7                         | 0                      | Departmental | 2021-22  | 88.673632       | 25.13636       | 88.673632     | 25.13636     | 88.673632     | 25.13636     | Departmental |

## तकनीकी प्रतिवेदन

जिला : भोजपुर

योजना का नाम : PWD पथ से ताराचक पथ में रेस्टोरेशन का कार्य।

पथ की लम्बाई : 1.53 कि० मी०।

प्राक्कलित राशि : 4.441 लाख।

प्रस्तुत प्राक्कलन उपरोक्त कार्य हेतु तैयार किया गया है। यह पथ नारायणपुर कारवासीन पथ से ताराचक ग्राम को जोड़ने वाला एकमात्र पथ है। ताराचक ग्राम की पुरी आबादी इसी पथ पर निर्भर है। इस पथ के किनारे से एक करहा का पानी बहता है। विगत दिनों में हुई भारी वर्षा के कारण इस पथ को कॉफी क्षति पहुँची है। इस पथ का कुछ पथांश ध्वस्त हो चुका था। यातायात अवरुद्ध था, पथ में बड़े बड़े गढ़े हो गये थे। पथ में सुगम यातायात हेतु ईट का टुकड़ा डालकर पथ को चालु किया गया है। यह कार्य विभागीय स्तर पर किया गया है।

यह प्राक्कलन, कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमण्डल आरा के निदेश पर तैयार किया गया है। प्राक्कलन में प्रयुक्त दर वर्तमान अनुसूचि दर ( 01.04.2021 से प्रभावी ) पर आधारित है। कार्य हित में तकनीकी एवं प्रशासनिक अनुमोदन अपेक्षित है।

  
25/04/21

कनीय अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रशाखा अगिर्यौव।

  
31/7/2021

सहायक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य अवर प्रमण्डल अगिर्यौव।

  
24/07/21

कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमण्डल आरा।

E.D.R

YEAR (2021- 2022)

# RESTAURATION WORK

## GENERAL ABSTRACT OF COST

District : PWD ROAD-TARACHAK  
Division : ARA  
Block : AGIAON  
Name of Road : PWD ROAD-TARACHAK  
Length of Road : 1.53 K.M

| SL. | Item of Work              | Amount |                               |
|-----|---------------------------|--------|-------------------------------|
| 1   | TOTAL COST OF RESTORATION | =      | 373998 <del>4,44,119.34</del> |
| 2   | COST OF OTHER WORK        | =      | 0.00                          |
|     | SUB TOTAL                 | =      | 373998 <del>4,44,119.34</del> |
|     | Total Cost of Project     | Rs.    | <del>4,44,119.34</del>        |
|     | SAY                       | Rs.    | 373998 <del>4,44,100.00</del> |

Bay 3.74 lacs

Junior Engineer

RWD WORKS SECTION

AGIAON

Asstt. Engineer

RWD WORKS SUB-DIVISION

AGIAON

Executive Engineer

RWD WORKS DIVISION

ARA

Previously in anticipation of admin approval  
& for facts technically sanctioned for 3.74 lacs (Rupees  
Three lacs seventy four thousand  
only

Superintending Engineer  
Rural Works Department  
Works Circle, ARA

## SUMMARY OF COST FOR THE FDR PROJECT

|                        |   |                   |
|------------------------|---|-------------------|
| NAME OF ROAD           | : | PWD ROAD-TARACHAK |
| DISTRICT               | : | BHOJPUR           |
| BLOCK                  | : | AGIAON            |
| CONSTITUENCY           | : | AGIAON            |
| LENGTH OF ROAD (in Km) | : | 1.53 K.M          |
| LENGTH OF BT PAVEMENT  | : | 1.53 K.M          |
| LENGTH OF CC PAVEMENT  | : | 0                 |
| No. HABBITATION SERVED | : | 1                 |

| Sl. No.  | DESCRIPTION                              | AMOUNT (LAKHS)          |
|----------|------------------------------------------|-------------------------|
| <b>1</b> | <b>MAIN WORK</b>                         |                         |
| I        | PREPARATORY WORKS =                      | 0.00                    |
| II       | BRICK BATS WORK =                        | 323618 = 385672.08      |
|          | TOTAL =                                  | 323618 = 385672.08      |
|          | Add 12% GST on Total Amount =            | 38834 = 46280.65        |
|          | Add 1% Labour Cess on Total Amount =     | 3236 = 3856.72          |
|          | Seigniorage Fees @ 10% =                 | 8309.89 ✓               |
|          | <b>SUB TOTAL (A) =</b>                   | <b>373998 444119.34</b> |
| <b>2</b> | <b>CROSS DRAINAGE STRUCTURES</b>         |                         |
| I        | HUME PIPE =                              | 0.00                    |
| II       | RCC =                                    | 0.00                    |
| III      | BOX =                                    | 0.00                    |
| IV       | Utility Pipe (300 mm Dia) =              | 0.00                    |
| V        | DISMANTLING OF CD =                      | 0.00                    |
| VI       | REPAIR OF CD WORK =                      | 0.00                    |
|          | TOTAL =                                  | 0.00                    |
|          | Add 12% GST on Total Amount =            | 0.00                    |
|          | Add 1% Labour Cess on Total Amount =     | 0.00                    |
|          | Seigniorage Fees @ 10% =                 | 0.00                    |
|          | <b>SUB TOTAL (B) =</b>                   | <b>0.00</b>             |
|          | <b>TOTAL COST OF RESTORATION (A+B) =</b> | <b>373998 444119.34</b> |

*[Signature]*  
25/07/21

**Junior Engineer**  
RWD WORKS SECTION  
AGIAON

*[Signature]*  
31/7/21

**Asstt. Engineer**  
RWD WORKS SUB-DIVISION  
AGIAON

*[Signature]*  
31/07/21

**Executive Engineer**  
RWD WORKS DIVISION  
ARA

| DETAIL ESTIMATE OF FDR                                                                                                                          |     |                   |       |      |     |      |     |        |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|-------|------|-----|------|-----|--------|-------------|-------------|
| Name of Site:                                                                                                                                   |     | PWD ROAD-TARACHAK |       |      |     |      |     |        |             |             |
| 1                                                                                                                                               | RCD | Brick Bats        |       |      |     |      |     |        |             |             |
| Providing and filling Brick Bats in ditches including cost of Brick Bats and labour all Complete job as per specification and direction of E/L. |     |                   |       |      |     |      |     |        |             |             |
|                                                                                                                                                 |     | U                 | L     | B    |     | D    |     | QTY    |             |             |
|                                                                                                                                                 |     | Cum               | 9.50  | 1.44 | Avg | 0.85 | Avg | 11.63  |             |             |
|                                                                                                                                                 |     | Cum               | 12.30 | 1.95 | Avg | 0.75 | Avg | 17.99  |             |             |
|                                                                                                                                                 |     | Cum               | 9.00  | 1.50 | Avg | 0.50 | Avg | 6.75   |             |             |
|                                                                                                                                                 |     | Cum               | 10.00 | 1.80 | Avg | 0.75 | Avg | 13.50  |             |             |
|                                                                                                                                                 |     | Cum               | 8.00  | 1.50 | Avg | 0.45 | Avg | 5.40   |             |             |
|                                                                                                                                                 |     | Cum               | 7.50  | 2.10 | Avg | 0.60 | Avg | 9.45   |             |             |
|                                                                                                                                                 |     | Cum               | 12.50 | 2.40 | Avg | 0.75 | Avg | 22.50  |             |             |
|                                                                                                                                                 |     | Cum               | 9.00  | 1.80 | Avg | 0.60 | Avg | 9.72   |             |             |
|                                                                                                                                                 |     | Cum               | 7.50  | 1.90 | Avg | 0.75 | Avg | 10.69  |             |             |
|                                                                                                                                                 |     | Cum               | 11.50 | 2.45 | Avg | 0.40 | Avg | 11.27  |             |             |
|                                                                                                                                                 |     | Cum               | 9.50  | 2.50 | Avg | 0.90 | Avg | 21.38  |             |             |
|                                                                                                                                                 |     | Cum               | 6.50  | 2.40 | Avg | 0.75 | Avg | 11.70  |             |             |
|                                                                                                                                                 |     | Cum               | 9.50  | 1.95 | Avg | 0.70 | Avg | 12.97  |             |             |
|                                                                                                                                                 |     | Cum               | 13.50 | 1.75 | Avg | 0.60 | Avg | 14.18  | 1806.81     | 323618.20   |
| Net Quantity                                                                                                                                    |     | Cum               |       |      |     |      |     | 179.11 | 2,153.25    | 3,85,672.08 |
| TOTAL COST IN RS.=                                                                                                                              |     |                   |       |      |     |      |     |        | 3,85,672.08 | 323618.20   |

323618.20

*[Signature]*  
25/07/21  
Junior Engineer  
PWD WORKS SECTION  
AGIAON

*[Signature]*  
31/7/2021  
Asstt. Engineer  
RWD WORKS SUB-DIVISION  
AGIAON

Executive Engineer  
RWD WORKS DIVISION  
ARA

*checked*  
*[Signature]*  
23.11.2021

Executive Engineer  
R.W.D. (W.) Div., Buxar

| SEIGNIORAGE FEE                                       |           |             |                                                                                                                                                 |      |          |           |
|-------------------------------------------------------|-----------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------|
| Name of Site: PWD ROAD-TARACHAK                       |           |             |                                                                                                                                                 |      |          |           |
| Sl. No.                                               | SDB Sl.No | MORD Ref.No | Description                                                                                                                                     | Unit | Quantity | Rate      |
| Amount (In Rs.)                                       |           |             |                                                                                                                                                 |      |          |           |
| Total Material Required                               |           |             |                                                                                                                                                 |      |          |           |
| Material Amount                                       |           |             |                                                                                                                                                 |      |          |           |
| Seigniorage Fee 10%                                   |           |             |                                                                                                                                                 |      |          |           |
| BRICK BATS                                            |           |             |                                                                                                                                                 |      |          |           |
| 1                                                     | RCD       | 11.9        | Providing and filling Brick Bats in ditches including cost of Brick Bats and labour all complete job as per specification and direction of E/I. |      |          |           |
|                                                       |           |             | Unit = Cum                                                                                                                                      | UNIT | QTY      | RATE      |
|                                                       |           | a)          | Material                                                                                                                                        |      |          |           |
|                                                       |           |             | Brick Bats                                                                                                                                      | Nos  | 450      | 1.031     |
|                                                       |           |             | Rate Per Cum (a)                                                                                                                                |      |          |           |
|                                                       |           |             | Total Cost =                                                                                                                                    | Cum  |          |           |
|                                                       |           |             |                                                                                                                                                 |      | 179.11   | 83,098.90 |
|                                                       |           |             |                                                                                                                                                 |      |          | 8,309.89  |
| Total Construction Cost (With 10% Seigniorage Fee) :- |           |             |                                                                                                                                                 |      |          |           |
| 8,309.89                                              |           |             |                                                                                                                                                 |      |          |           |

25/9/21

31/7/2021

31/07/21

# ANALYSIS OF CARRAIGE BY ROAD

District : BHOJPUR

**Block : AGIAON**

Name of Road : PWD ROAD-TARACHAK

### Cost of Haulage Excluding Loading & Unloading as per SOR

| Type of Road          | Per Ton. Km by Truck |
|-----------------------|----------------------|
| For Surface Road      | 9.09                 |
| Unsurface Gravel Road | 11.00                |
| Kachha Road           | 22.13                |

[illegible]

10/10/15  
10/10/15

31/07/21

# HAULAGE BY TRUCK

| Sl. No. | SDB Sl. No. | MORD Ref No. | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Unit         | Quantity       | Rate               | Amount in Rs                                           |
|---------|-------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|--------------------|--------------------------------------------------------|
| 1       | 1.10        | (i)          | <b>Haulage excluding Loading &amp; Unloading</b><br>Haulage of materials by tipper excluding cost of loading, unloading and stacking.<br>Unit = t.km<br>Taking output 10 t load and lead 10 km = 100 t.km<br><b>Case-I : Surfaced Road</b><br>Speed with load: 25 km per hour<br>Speed while returning empty: 35 km per hour<br><b>Machinery</b><br><b>Tipper 10 t capacity</b><br>Haulage with load<br>Empty return trip<br>Overheads @ 12 % on (a)<br>Contractor's profit on (a+b)<br>Cost for 100 t-km = a+b<br><b>Rate per cum = (a+b) /100</b> | hour<br>hour | 0.400<br>0.286 | 1183.00<br>1183.00 | 473.20<br>338.34<br>97.38<br>0.00<br>908.92<br>9.09    |
| 2       | 1.10        | (ii)         | <b>Haulage excluding Loading &amp; Unloading</b><br>Haulage of materials by tipper excluding cost of loading, unloading and stacking.<br>Unit = t.km<br>Taking output 10 t load and lead 10 km = 100 t.km<br><b>Case-II: Unsurfaced Gravel Road.</b><br>Speed with load: 20 km/hour<br>Speed for empty return trip: 30 km/hour<br><b>Machinery</b><br><b>Tipper 10 t capacity</b><br>Haulage with load<br>Empty return trip<br>Overheads @12% on (a)<br>Contractor's profit on (a+b)<br>Cost for 100 t-km = a+b<br><b>Rate per cum = (a+b) /100</b> | hour<br>hour | 0.50<br>0.33   | 1183.00<br>1183.00 | 591.50<br>390.39<br>117.83<br>0.00<br>1099.72<br>11.00 |

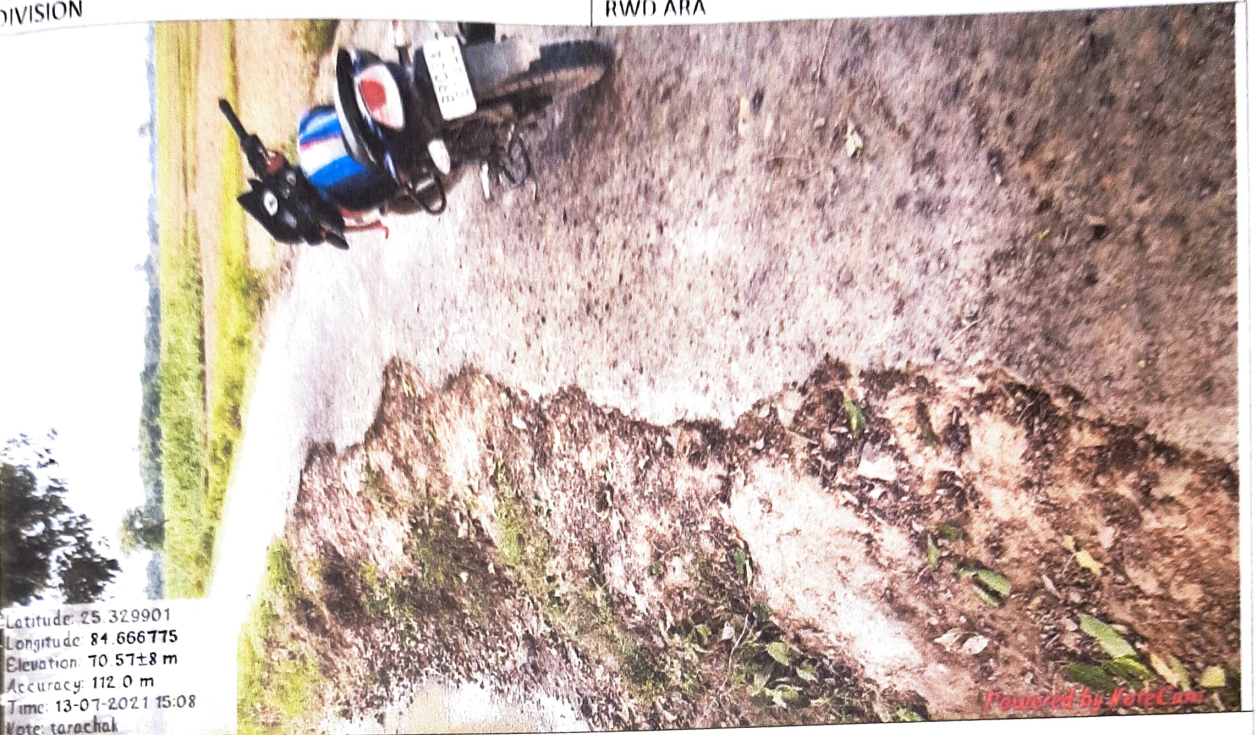




# F.D.R (2021-22)

Name of Site  
BLOCK  
DIVISION

PWD ROAD TO TARACHAK  
AGIAON  
RWD ARA



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25/07/21

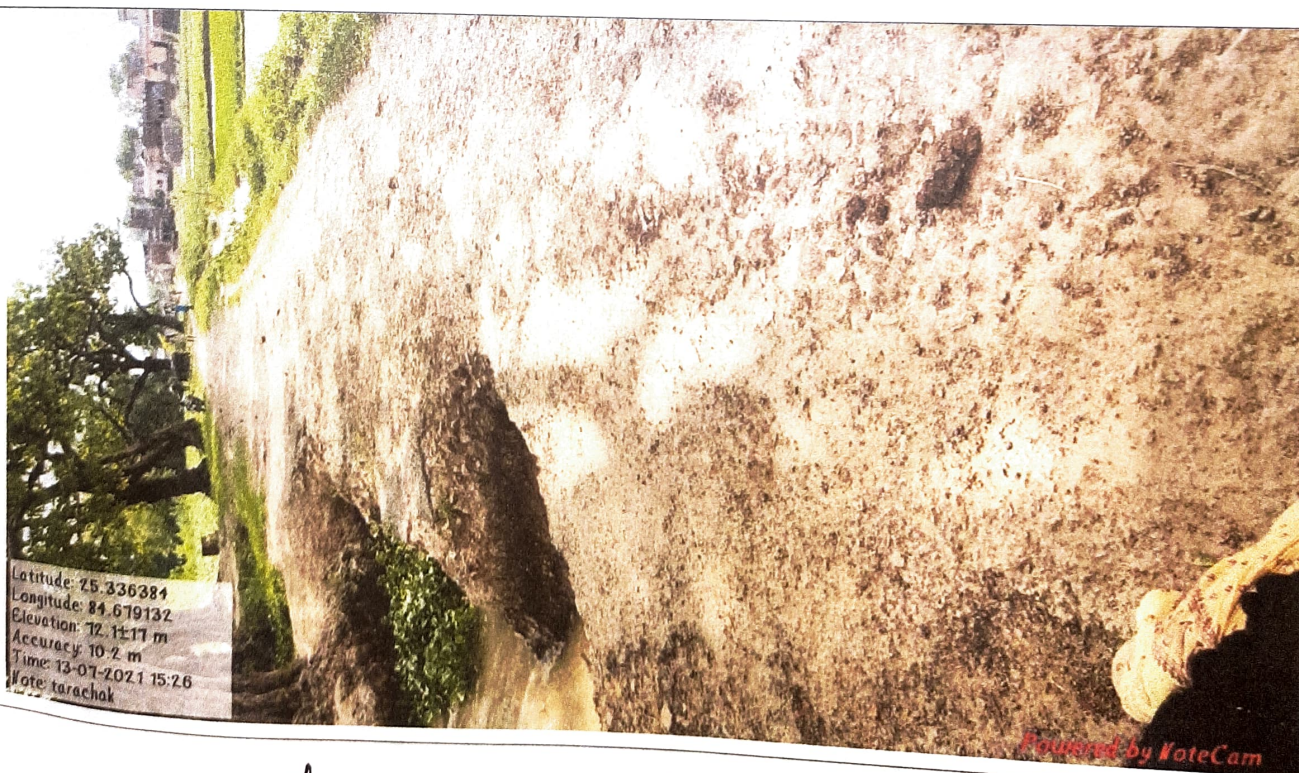
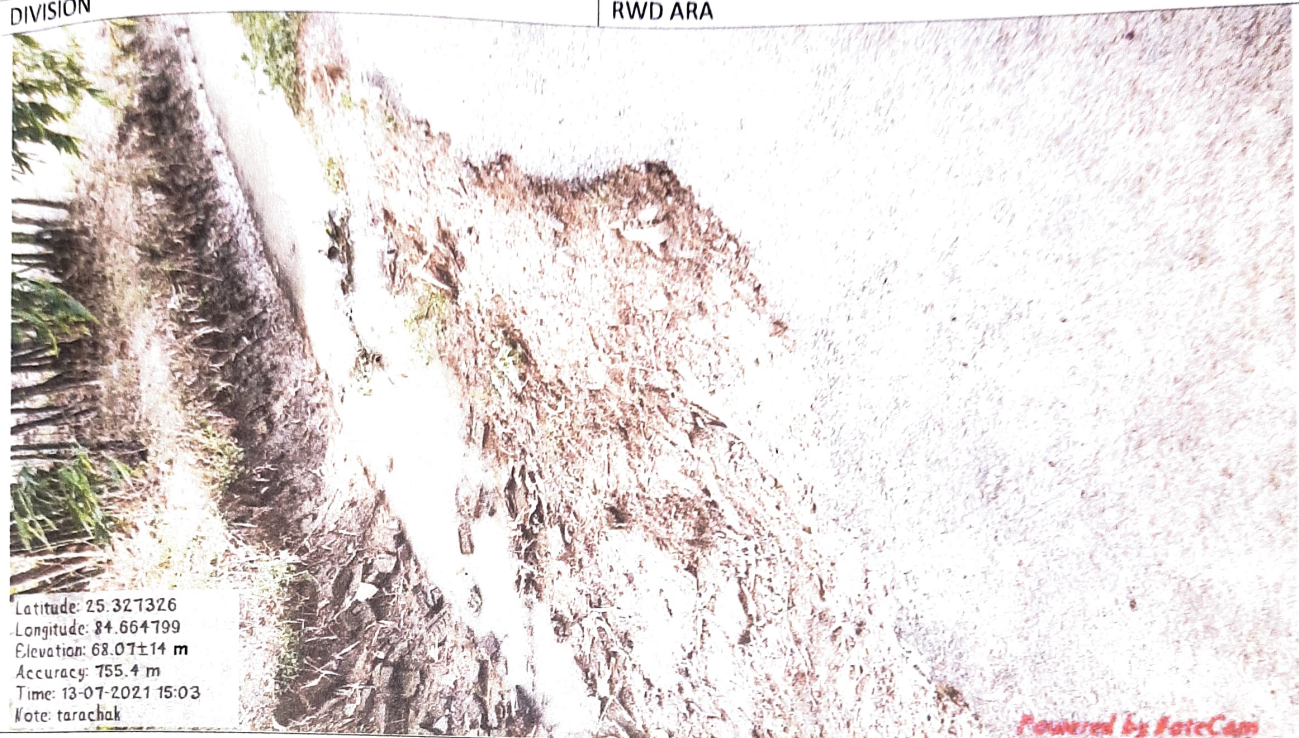
*[Signature]*  
31/7/2021

*[Signature]*  
31/07/21

# F.D.R (2021-22)

Name of Site  
BLOCK  
DIVISION

PWD ROAD TO TARACHAK  
AGIAON  
RWD ARA



25/04/21

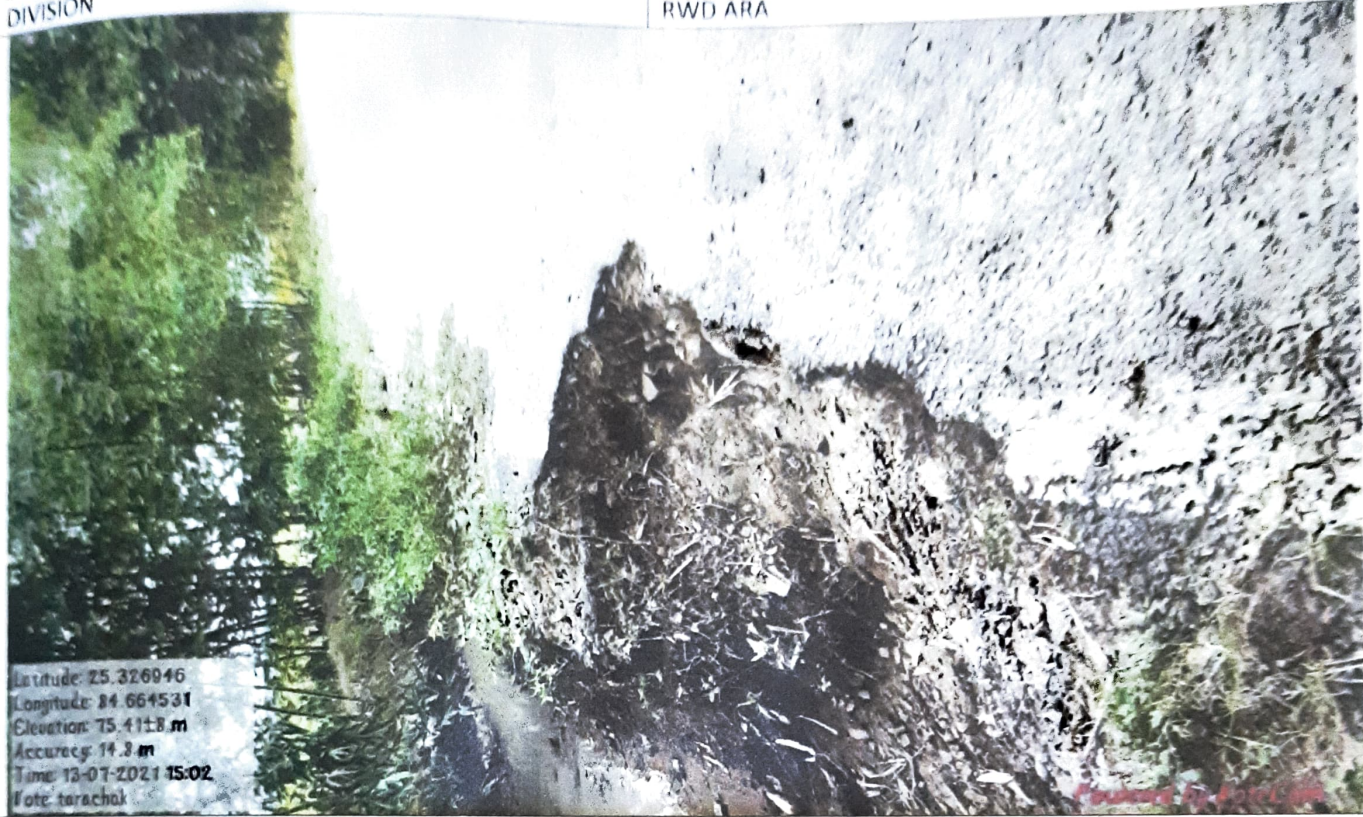
31/7/2021

31/07/21

# F.D.R (2021-22)

Name of Site  
BLOCK  
DIVISION

PWD ROAD TO TARACHAK  
AGIAON  
RWD ARA



25/07/21

31/7/2021

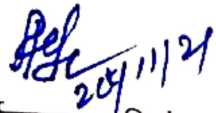
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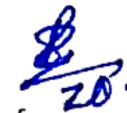
## निरीक्षण प्रतिवेदन

अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, आरा का पत्रांक-923 दिनांक- 14.11.2021 के द्वारा दिये गये निर्देश के अनुपालन में कार्य प्रमंडल आरा के अंतर्गत वर्ष 2021-22 के बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त निम्नलिखित पथों के Temporary Restoration वाले कार्य स्थलों का निरीक्षण किया गया एवं उन पथों को प्राक्कलन के अनुसार कार्य कराया गया है एवं कार्य संतोषप्रद पाया गया।

पथ का विवरण:-

| Sl No. | Name of Road         | Length<br>(In K.M) | Damage<br>Length<br>(In K.M) | Block  |
|--------|----------------------|--------------------|------------------------------|--------|
| 1      | T03 to Chaprapur     | 1.69               | 0.140                        | Agiaon |
| 2      | T04 to Madanpur      | 2.0                | 0.138                        | Agiaon |
| 3      | PWD Road to Tarachak | 1.53               | 0.136                        | Agiaon |

  
कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल आरा।

  
20.11.2021  
कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल बक्सर।