

**GOVERNMENT OF BIHAR**  
**RURAL WORKS DEPARTMENT**



Name of work : NH- 57 Hariya Chowk to Badi Gadgaddi

District : Araria

Block : Araria

**FDR (2021-22)**

|                                                    |                   |
|----------------------------------------------------|-------------------|
| Restoration Cost of Road                           | : Rs. 34.985 Lacs |
| 1% L.Cess of Rest. Cost                            | : Rs. 0.350 Lacs  |
| 12% GST of Rest. Cost                              | : Rs. 4.198 Lacs  |
| Seigniorage fee                                    | : Rs. 0.887 Lacs  |
| Total Restoration Cost including Labour Cess & GST | : Rs. 40.420 Lacs |

R.W.D, WORKS CIRCLE, KISHANGANJ

R.W.D, WORKS DIVISION, ARARIA

## Inspection Report for Flood Damage Work

1. Name of PIUs

: EE, RWD Works Division, Araria

2. Name Of Block / Road

: NH-57 Horiya Chowk to Badi Uadgaadi  
Block - Araria

A. For Road

1. Damage Location / Chainage

: Ch-800, Ch-1800, Ch-1900, Ch-2250, Ch-2340 &  
Ch-2475

2. Damage Length

:  $(17m + 90m + 25m + 50.0 + 45.0 + 25.0) = 252m$

3. Nature Of Damage

: Flood

4. Details Of Restoration

:

i) Material Being Used In Restoration

: Sand, Bamboo, Ec bag & Brick Bats

ii) Equipment / Tools Being Used In Restoration Works

: JCB, Tractors

iii) Procedure Taken Up In Restoration Works

: Manual

iv) Restored Length

: 252.0m

B. For Bridge

1. Damage Location / Chainage

:

2. Damage Length

:

3. Nature Of Damage

:

4. Details Of Restoration

:

i) Material Being Used In Restoration

:

ii) Equipment / Tools Being Used in Restoration Works

:

iii) Procedure Taken Up In Restoration Works

:

iv) Restored Length

:

NA

Signature of JE / AE / EE

Signature  
Executive Engineer  
(N&W Division)  
Kishanganj-2

ग्रामीण कार्य विभाग  
बिहार, सरकार

पत्रांक - मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/07/2021

प्रेषण,

पंकज कुमार पाल (पा0प्र0से0)  
सचिव

सेवा में,

सभी कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,

विषय- बाढ़ अतिवृष्टि से क्षतिग्रस्त पथों/पुलियों को यातयात लायक (Motorable) करने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में निदेश दिया जाता है कि प्रमंडल अन्तर्गत सभी अभियंता बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों का शत प्रतिशत निरीक्षण करेंगे। पथों/पुलियों के क्षतिग्रस्त भाग से पानी उतरते ही उसे यातायात लायक बनाने की कारवाई एवं Motorable किये जाने से पहले तथा Motorable कार्य के बाद का Real time, Geo tagged photographs को MIS पर तत्क्षण अपलोड किया जाना सुनिश्चित करेंगे। इन कार्यों को कराने हेतु कार्यपालक अभियंता पूर्ण रूप से जिम्मेवार होंगे। कार्य न कराने की स्थिति में उनके विरुद्ध अनुशासनिक कार्रवाई की बाध्यता होगी।

विश्वासभाजन

(पंकज कुमार पाल)

सचिव

ज्ञापक- मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/07/2021

प्रतिलिपि:-सभी अधीक्षण अभियंता को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। साथ ही उन्हें निदेश दिया जाता है कि वे लगातार अनुश्रवण एवं निरीक्षण करते हुए क्षतिग्रस्त भाग को अतिशीघ्र यातायात लायक बनवाने की कार्रवाई सुनिश्चित करेंगे।

सचिव

ज्ञापक-मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/07/2021

प्रतिलिपि:-सभी मुख्य अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं लगातार अनुश्रवण करने हेतु प्रेषित।

सचिव

**FDR (2021-22)**  
**GENERAL ABSTRACT OF COST**

Name of Road : NH- 57 Harlya Chowk to Badi Gadgaddi  
District : Araria  
Block : Araria  
Cutting Chainage (M) :

| Sl. No. | Item of work                                               | Amount (In Rs.) |
|---------|------------------------------------------------------------|-----------------|
| 1       | Filling of Local Sand                                      | 12,92,857.00    |
| 2       | Labour for cutting 62mm to 75mm dia Bamboo                 | 2,04,814.00     |
| 3       | Labour for fitting & fixing 62mm to 75mm dia Bamboo runner | 32,846.00       |
| 4       | Supply of EC bag of Local Sand                             | 6,59,017.00     |
| 5       | Supply & Carriage of Brick Bats                            | 13,08,972.00    |
| 6       | Supply, laying and carriage of 1000mm dia HPC              | -               |
| a       | Sub Total Cost of Work :                                   | 34,98,506.00    |
| b       | 1% L.cess of Total Cost :                                  | 34,985.00       |
|         | 12% GST of Total Cost :                                    | 4,19,821.00     |
|         | Seigniorage Fee                                            | 88,685.00       |
| d.      | Total Cost of Work including GST & Cess :                  | 40,41,997.00    |

*[Signature]*  
Junior Engineer RWD  
Works Sec. ~~Araria~~  
(Araria)

*[Signature]*  
Assistant Engineer  
RWD Works Section  
~~Araria~~ (Araria)

*[Signature]*  
Executive Engineer  
RWD Works Div.  
Araria

Supretending Engineer  
RWD Circle, Kishanganj

Ref. E.E. Letter No. 1457 DL 28/4/22

Technically Sanctioned For Rs. 4041997.00

(Rupees) forty lakh forty one thousand

Nine hundred Ninety Seven Only

*[Signature]*  
29/4/22  
AB

*[Signature]*  
Superintending Engineer  
Rural Works Department  
Work Circle Kishanganj

**BILL OF QUANTITY**

| Name of Road:  |                                                                                                                                                                                                                                                           | NH- 57 Hariya Chowk to Badi Gadgaddi |          |           |             |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------|-----------|-------------|
| Block:         |                                                                                                                                                                                                                                                           | Araria                               |          |           |             |
| District:      |                                                                                                                                                                                                                                                           | Araria                               |          |           |             |
| Division:      |                                                                                                                                                                                                                                                           | R.W.D ,Araria                        |          |           |             |
| Sl No.         | Description                                                                                                                                                                                                                                               | Unit                                 | Quantity | Rate (Rs) | Amount (Rs) |
| 1              | Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.                                                                                                               | Cum                                  | 2513.18  | 514.43    | 1292857.00  |
| 2              | Labour for cutting 62mm to 75mm dia bamboo piles to size and making shoes & driving by jet machine etc. all complete job as per specification & direction of Engineer-in-Charge.                                                                          | Mtr.                                 | 3697.00  | 55.40     | 204814.00   |
| 3              | Labour for fitting & fixing 62mm to 75mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I wire including cost of G.I wire or nails etc all complete job as per specification & direction of Engineer-in-Charge. | Mtr.                                 | 1064.00  | 30.87     | 32846.00    |
| 4              | Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge.                                                                                                                                 | Each                                 | 17329    | 38.03     | 659017.00   |
| 5              | Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.                                                                                                                                           | Cum                                  | 603.57   | 2168.72   | 1308972.00  |
| 6              | Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.                                                                                                                                                                          | meter                                | 0.00     | 4425.07   | 0.00        |
| TOTAL AMOUNT = |                                                                                                                                                                                                                                                           |                                      |          |           | 3498506.00  |

  
Junior Engineer  
RWD Works Sec.

  
Assistant Engineer  
RWD Works Sub Div.

  
Executive Engineer  
RWD Works Division  
Araria

| Detailed Estimate                                                                 |                                                                                                                                                                                  |      |           |                    |                     |                |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|--------------------|---------------------|----------------|
| ESTIMATE FOR REPAIRING/ RESTORATION / MAKING MOTORABLE ROADS DAMAGED DURING FLOOD |                                                                                                                                                                                  |      |           |                    |                     |                |
| NH- 57 Hariya Chowk to Badi Gadgaddi                                              |                                                                                                                                                                                  |      |           |                    |                     |                |
| Name of Road:                                                                     | Araria                                                                                                                                                                           |      |           |                    |                     |                |
| Block:                                                                            | Araria                                                                                                                                                                           |      |           |                    |                     |                |
| District:                                                                         |                                                                                                                                                                                  |      |           |                    |                     |                |
| Sl No.                                                                            | Items of Works                                                                                                                                                                   | Nos. | L. (m)    | B (m)              | D (m) IN (Av.)      | Quantity (m3)  |
| 1                                                                                 | Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.                                      |      |           |                    |                     |                |
|                                                                                   | Ch-1800                                                                                                                                                                          | 1    | 90.00     | (5.0+7.0)/2        | (1.20+2.50+1.50)/3  | 936.00         |
|                                                                                   | Ch-2250                                                                                                                                                                          | 1    | 27.00     | (6.0+8.0)/2        | (1.80+2.70+2.0)/3   | 409.50         |
|                                                                                   |                                                                                                                                                                                  | 1    | 17.00     | (1.50+2.50)/2      | (1.20+1.80+1.50)/3  | 51.00          |
|                                                                                   |                                                                                                                                                                                  | 1    | 4.60      | 5.00               | (2.50+3.50+2.0)/3   | 61.33          |
|                                                                                   | Ch-2340                                                                                                                                                                          | 1    | 25.00     | (5.5+7.50)/2       | (1.50+2.2+1.80)/3   | 446.88         |
|                                                                                   |                                                                                                                                                                                  | 1    | 20.00     | (6.0+8.0)/2        | (1.50+2.70+2.00)/3  | 289.33         |
|                                                                                   | Ch-2475                                                                                                                                                                          | 1    | 10.00     | (1.20+1.60)/2      | (1.0+1.50+1.20)/3   | 17.27          |
|                                                                                   |                                                                                                                                                                                  | 1    | 15.00     | (1.0+1.50)/2       | (1.20+1.50+1.0)/3   | 23.13          |
|                                                                                   | Part-II Ch-2250                                                                                                                                                                  | 1    | 5.00      | (1.20+2.50+1.50)/3 | (0.900+1.50+1.20)/3 | 10.40          |
|                                                                                   | Ch-2340                                                                                                                                                                          | 1    | 30.00     | (2.50+4.0)/2       | (2.0+2.50+1.80)/3   | 204.75         |
|                                                                                   |                                                                                                                                                                                  | 1    | 20.00     | (1.50+2.10)/2      | (1.80+2.0+1.50)/3   | 63.60          |
|                                                                                   |                                                                                                                                                                                  |      |           |                    | <b>Total Qty =</b>  | <b>2513.18</b> |
| 2                                                                                 | Labour for cutting 62mm to 75mm dia bamboo piles to size and making shoes & driving by jet machine etc. all complete job as per specification & direction of Engineer-in-Charge. |      |           |                    |                     |                |
|                                                                                   | Ch-900                                                                                                                                                                           | 1    | 17/0.300  |                    | 2.00                | 113.00         |
|                                                                                   | Ch-1800                                                                                                                                                                          | 1    | 90.0/0.20 |                    | 2.00                | 900.00         |
|                                                                                   |                                                                                                                                                                                  | 1    | 50.0/0.30 |                    | 1.50                | 250.00         |
|                                                                                   | Ch-1900                                                                                                                                                                          | 1    | 30.0/0.30 |                    | 2.00                | 200.00         |
|                                                                                   |                                                                                                                                                                                  | 1    | 25.0/0.30 |                    | 2.00                | 167.00         |

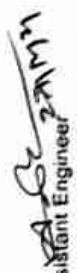
Junior Engineer  
RWD Works Section  
(Araria)

Assistant Engineer  
RWD Works (S) Div (Araria)

Executive Engineer  
RWD Works Division  
Araria

| Sl No. | Items of Works                                                                                                                                                                                                                                            | Nos. | L (m)     | B (m) | D (m) IN (Av.)     | Quantity (m <sup>3</sup> ) |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------|--------------------|----------------------------|
|        | Ch-2250                                                                                                                                                                                                                                                   | 2    | 45/0.20   |       | 2.00               | 900.00                     |
|        | Ch-2340                                                                                                                                                                                                                                                   | 2    | 25/0.30   |       | 2.50               | 750.00                     |
|        |                                                                                                                                                                                                                                                           | 2    | 20.0/0.30 |       | 2.00               | 267.00                     |
|        | Ch-2475                                                                                                                                                                                                                                                   | 1    | 15.0/0.30 |       | 2.00               | 100.00                     |
|        |                                                                                                                                                                                                                                                           | 1    | 10.0/0.30 |       | 1.50               | 50.00                      |
|        |                                                                                                                                                                                                                                                           |      |           |       | <b>Total Qty =</b> | <b>3697.00</b>             |
| 3      | Labour for fitting & fixing 62mm to 75mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I wire including cost of G.I wire or nails etc all complete job as per specification & direction of Engineer-in-Charge. |      |           |       |                    |                            |
|        | Ch-900                                                                                                                                                                                                                                                    | 1    | 17.00     |       | 2.00               | 34.00                      |
|        | Ch-1800                                                                                                                                                                                                                                                   | 1    | 90.00     |       | 3.00               | 270.00                     |
|        |                                                                                                                                                                                                                                                           | 1    | 50.00     |       | 2.00               | 100.00                     |
|        | Ch-1900                                                                                                                                                                                                                                                   | 1    | 30.00     |       | 2.00               | 60.00                      |
|        |                                                                                                                                                                                                                                                           | 1    | 25.00     |       | 2.00               | 50.00                      |
|        | Ch-2250                                                                                                                                                                                                                                                   | 2    | 45.00     |       | 3.00               | 270.00                     |
|        | Ch-2340                                                                                                                                                                                                                                                   | 2    | 25.00     |       | 3.00               | 150.00                     |
|        |                                                                                                                                                                                                                                                           | 2    | 20.00     |       | 2.00               | 80.00                      |
|        | Ch-2475                                                                                                                                                                                                                                                   | 1    | 10.00     |       | 2.00               | 20.00                      |
|        |                                                                                                                                                                                                                                                           | 1    | 15.00     |       | 2.00               | 30.00                      |
|        |                                                                                                                                                                                                                                                           |      |           |       | <b>Total Qty =</b> | <b>1064.00</b>             |

  
 Junior Engineer  
 RWD Works Section  
 (Araria)

  
 Assistant Engineer  
 RWD Works (S) Div (Araria)

  
 Executive Engineer  
 RWD Works Division  
 Araria

| Sl No. | Items of Works                                                                                                            | Nos.                         | L (m) | B (m)           | D (m) IN (Av.)        | Quantity (m <sup>3</sup> ) |
|--------|---------------------------------------------------------------------------------------------------------------------------|------------------------------|-------|-----------------|-----------------------|----------------------------|
| 4      | Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge. |                              |       |                 |                       |                            |
|        | Ch-900                                                                                                                    | 1                            | 17.00 | (0.500+0.900)/2 | (0.90+1.20+1.0)/3     | 12.30                      |
|        | Ch-1800                                                                                                                   | 1                            | 90.00 | (0.450+1.0)/2   | (0.90+2.0+1.20)/3     | 133.76                     |
|        |                                                                                                                           | 1                            | 50.00 | (0.450+1.0)/2   | (0.90+1.80+1.20)/3    | 70.69                      |
|        | Ch-1900                                                                                                                   | 1                            | 30.00 | (0.450+0.900)/2 | (1.20+2.0+1.50)/3     | 47.59                      |
|        |                                                                                                                           | 1                            | 25.00 | (0.50+0.900)/2  | (1.0+1.50+1.20)/3     | 21.58                      |
|        | Ch-2250                                                                                                                   | 2                            | 45.00 | (0.90+1.20)/2   | (1.20+1.80+1.00)/3    | 189.00                     |
|        | Ch-2340                                                                                                                   | 2                            | 25.00 | (0.500+0.800)/2 | ((1.0+1.50+1.20)/3    | 40.08                      |
|        |                                                                                                                           | 2                            | 20.00 | (0.450+0.900)/2 | (1.20+1.80+1.50)/3    | 60.75                      |
|        | Ch-2475                                                                                                                   | 1                            | 15.00 | (0.450+0.70)/2  | (0.900+1.20)/2        | 9.06                       |
| 5      | Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.           | 1                            | 10.00 | 0.50            | (0.750+1.0)/2         | 4.38                       |
|        |                                                                                                                           | TOTAL=                       |       |                 |                       | 589.18                     |
|        |                                                                                                                           | Total No. of EC Bags = 17329 |       |                 |                       | 17328.88                   |
|        |                                                                                                                           | SAY NO OF Bags =             |       |                 |                       | 17329                      |
|        |                                                                                                                           | 1                            | 90.00 | (4.75+5.50)/2   | (0.200+0.600+0.450)/3 | 288.28                     |
|        |                                                                                                                           | 1                            | 25.00 | (2.0+3.5)/2     | (0.150+0.450+0.300)/3 | 30.94                      |
|        |                                                                                                                           | 1                            | 15.00 | (1.50+2.0)/2    | (0.250+0.50+0.30)/3   | 9.19                       |
|        |                                                                                                                           | 1                            | 50.00 | (5.0+6.0)/2     | (0.300+0.600)/2       | 103.13                     |
|        |                                                                                                                           | 1                            | 5.00  | 5.00            | 0.300                 | 7.50                       |
|        |                                                                                                                           | 1                            | 25.00 | (4.80+5.50)/2   | (0.200+0.500+0.300)/3 | 64.38                      |
| 6      | Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.                                          | 1                            | 20.00 | (5.0+6.0)/2     | (0.200+0.450+0.300)/3 | 52.25                      |
|        |                                                                                                                           | 1                            | 15.00 | (1.50+2.0)/2    | (0.250+0.450)/2       | 9.19                       |
|        |                                                                                                                           | 1                            | 10.00 | (1.20+1.50)/2   | (0.250+0.450)/2       | 4.73                       |
|        |                                                                                                                           | 1                            | 30.00 | 2.50            | (0.250+0.400)/2       | 24.38                      |
|        |                                                                                                                           | 1                            | 20.00 | (1.50+2.0)/2    | (0.2+0.35)/2          | 9.63                       |
|        |                                                                                                                           | Total Qty. =                 |       |                 |                       | 603.57                     |
|        |                                                                                                                           | Total Qty. =                 |       |                 |                       | 0.00                       |
|        |                                                                                                                           |                              |       |                 |                       |                            |
|        |                                                                                                                           |                              |       |                 |                       |                            |
|        |                                                                                                                           |                              |       |                 |                       |                            |

Assistant Engineer  
RWD Works (S) Div (Araria)

Junior Engineer  
RWD Works Section  
(Araria)