

# **RURAL WORKS DEPARTMENT**



**GOVERNMENT OF BIHAR**

**CIRCLE – R.W.D. works Circle, Kishanganj**

**DIVISION – R.W.D. works Division , Kishanganj-2**

**Name of Work :- HARWADANGA TO DHANTOLA**

**Block :- Dighalbank**

**Estimated cost :- Rs 974164.00**

**Year : 2021-22**

# Inspection Report for Flood Damage Work

1. Name of PIUs

: Kishangaur-2

2. Name Of Block / Road

: Dighalbank

A. For Road

Harnadanga to Dhanota

1. Damage Location / Chainage

:

2. Damage Length

: 368.10

3. Nature Of Damage

: Cut and Erosion of Flank & crust

4. Details Of Restoration

: Sand Filling, Brick bat laying, GSB laying

i) Material Being Used In Restoration

: Sand Brick Bat GSB

ii) Equipment / Tools Being Used In Restoration Works

: Tractor, Tractor JCB, minor tools

iii) Procedure Taken Up In Restoration Works

: Manually

iv) Restored Length

: 368.10

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

:

Satisfactory

Clean  
14/12/21

Signature

(Name Of Inspector)

Signature of JE / AE / EE  
14/12/21

## प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-2 अंतर्गत दीघलबैंक प्रखंड के पथ "HARWADANGA TO DHANTOLA" जो विभागीय Online Monitoring Syatem MIS पर अपलोड है के बाद 2021 से क्षतिग्रस्त हो जाने के कारण यातायात लायक Motorable हेतु बनाया गया है। इस कार्य को कराने का निर्देश ग्रामीण कार्य विभाग, बिहार सरकार के पत्रांक:- मु0अ0- 4 (मु0) विविध कार्य- 23-60/2020 - 1937 / पटना, दिनांक- 07.07.2021 से प्राप्त है। इस पत्र से Real time geo-tagged photograph को कार्य के दौरान अपलोड करते हुए (Motorable) कार्य कराना सुनिश्चित करने का निर्देश प्राप्त है।

उक्त निर्देश के आलोक में कंकड़ नदी उपधार नदी/नदी उपधार से आए बाढ़ के कारण इस पथ के Road way के क्षतिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Motorable कार्य के साथ-साथ सुरक्षात्मक कार्य कराया गया है। MIS में अपलोडेड फोटो क्षतिग्रस्त होने का, कार्य होने के दौरान का एवं पुनः स्थापित हो जाने के बाद का Lat/Long रियल टाइम के साथ लिया गया है। नेपाल तराई से निकलने वाली इस नदी के तेज धार से इस पथ में कटाव की स्थिति बनी। Motorable कार्य में आवश्यकता अनुसार Bamboo Pilling / Pitching of E.C. Bags filled with local sand / Local sand filling / Brick bats का इस्तेमाल किया गया है। Motorable कार्य कराकर यातायात बहाल कर दिया गया है। निर्देशानुसार कराये गए कार्य का Geo-tagged photo real time के साथ MIS पर अपलोड है। MIS की छायाप्रति, अपलोडेड फोटोग्राफ की छायाप्रति, दर विश्लेषण एवं विभागीय आदेशों की छायाप्रति प्राक्कलन में संलग्न की जा रही है। प्राक्कलन में प्रयुक्त दर अद्धतन है।

प्राक्कलन की यथा शीघ्र अनुमोदन अपेक्षित है ताकि अग्रेतर कार्रवाई की जा सके।

  
कनीय अभियंता

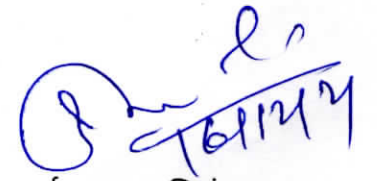
ग्रामीण कार्य विभाग

कार्य प्रशाखा- दीघलबैंक

  
सहायक अभियंता

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- दीघलबैंक

  
कार्यपालक अभियंता

ग्रामीण कार्य विभाग

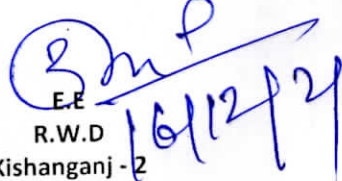
कार्य प्रमंडल, किशनगंज -2

### ABSTRACT OF COST

| Name of Work :- | HARWADANGA TO DHANTOLA            |                 |
|-----------------|-----------------------------------|-----------------|
| Block :-        | Dighalbank                        |                 |
| Sl. No.         | Particulars                       | Amount (In Rs.) |
| A               | Cost of Restoration work :-       | Rs 836651.00    |
| B               | Add 12 % GST                      | Rs 100398.00    |
| C               | Add 1 % L. Cess                   | Rs 8367.00      |
| D               | Add S.Fee @ 10 % of Material Cost | Rs 28748.00     |
|                 | Total Cost with GST, LC & S.Fee   | Rs 974164.00    |

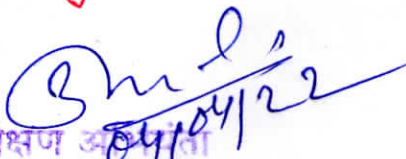
  
J.E.  
R.W.D  
Dighalbank

  
A.E.  
R.W.D  
Dighalbank

  
E.E.  
R.W.D  
Kishanganj - 2

*Telephonically Sanction for Rs. 9,74,164.00 (Nine Lacs Seventy four thousand one hundred sixty four) only.*

  
P. S. Singh  
04/04/22  
E.O

  
अधीक्षक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अंचल, किशंगंज



### Detailed Estimate

Name of Work :- HARWADANGA TO DHANTOLA

| Sl. No. | SDB Sl. No. | MORD Ref.No | Description                                                                                                                                                                                                                                                                                                                                                                                                                           | No.     | No. | Length (M) | Width (M) | Height (M) | Qty.   | Unit | Rate (Rs.) | Amount (Rs.) |
|---------|-------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|------------|-----------|------------|--------|------|------------|--------------|
| 8       | 9.2 (i)     | 1100 & 800  | <b>Sand filling or Type B (First class) bedding</b><br>Fillling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9                                                                                                                                                                                                                                                                    |         |     |            |           |            |        |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 2.00       | 2.00      | 0.15       | 0.60   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 2.00       | 1.60      | 0.15       | 0.48   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 1.80       | 1.00      | 0.15       | 0.27   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 4.00       | 1.50      | 0.15       | 0.90   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 1.00       | 1.80      | 0.15       | 0.27   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 1.00       | 2.00      | 0.15       | 0.30   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 4.10       | 2.00      | 0.15       | 1.23   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 4.40       | 1.00      | 0.15       | 0.66   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 3.00       | 3.50      | 0.15       | 1.58   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 2.00       | 3.60      | 0.15       | 1.08   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 4.20       | 3.60      | 0.15       | 2.27   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 9.60       | 3.60      | 0.15       | 5.18   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 10.00      | 1.00      | 0.15       | 1.50   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 2   | 7.00       | 4.20      | 0.15       | 8.82   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 3.80       | 1.00      | 0.15       | 0.57   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 30.00      | 1.00      | 0.15       | 4.50   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 30.00      | 6.10      | 0.15       | 27.45  |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 30.00      | 5.30      | 0.15       | 23.85  |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 30.00      | 4.30      | 0.15       | 19.35  |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 8.00       | 5.00      | 0.15       | 6.00   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | Total:- |     |            |           |            | 106.86 | Cum  | 514.43     | 54972.00     |
| 9       | WRD         | 5.7.40      | <b>Brick bats</b><br>Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I                                                                                                                                                                                                                                                                               |         |     |            |           |            |        |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 2.00       | 2.00      | 0.30       | 1.20   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 2.00       | 1.60      | 0.30       | 0.96   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 1.80       | 1.00      | 0.30       | 0.54   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 4.00       | 1.50      | 0.30       | 1.80   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 1.00       | 1.80      | 0.30       | 0.54   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 1.00       | 2.00      | 0.30       | 0.60   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 4.10       | 2.00      | 0.30       | 2.46   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 4.40       | 1.00      | 0.30       | 1.32   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 3.00       | 3.50      | 0.30       | 3.15   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 2.00       | 3.60      | 0.30       | 2.16   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 4.20       | 3.60      | 0.30       | 4.54   | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 9.60       | 3.60      | 0.30       | 10.37  | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 10.00      | 1.00      | 0.30       | 3.00   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 2   | 7.00       | 4.20      | 0.30       | 17.64  |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 3.80       | 1.00      | 0.30       | 1.14   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 30.00      | 1.00      | 0.30       | 9.00   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 30.00      | 6.10      | 0.30       | 54.90  | ✓    |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 30.00      | 5.30      | 0.30       | 47.70  |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 30.00      | 4.30      | 0.30       | 38.70  |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 8.00       | 5.00      | 0.30       | 12.00  |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | Total:- |     |            |           |            | 213.72 | Cum  | 2168.72    | 463499.00    |
| 10      | 4.1         | 401 (i)     | <b>Granular Sub-base with Well Graded Material</b><br><b>(By mix in place method) For Grading II Material</b><br>Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical |         |     |            |           |            |        |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 2.00       | 2.00      | 0.15       | 0.60   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 2.00       | 1.60      | 0.15       | 0.48   |      |            |              |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1       | 1   | 1.80       | 1.00      | 0.15       | 0.27   |      |            |              |

| Sl. No. | SDB Sl. No. | MORD Ref.No | Description                                                                                                                                                                                                                                                                                                                                                                                                                | No.                  | No. | Length (M) | Width (M) | Height (M) | Qty.   | Unit | Rate (Rs.)   | Amount (Rs.)     |
|---------|-------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----|------------|-----------|------------|--------|------|--------------|------------------|
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 4.00       | 1.50      | 0.15       | 0.90   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 1.00       | 1.80      | 0.15       | 0.27   | ✓    |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 1.00       | 2.00      | 0.15       | 0.30   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 4.10       | 2.00      | 0.15       | 1.23   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 4.40       | 1.00      | 0.15       | 0.66   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 3.00       | 3.50      | 0.15       | 1.58   | ✓    |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 2.00       | 3.60      | 0.15       | 1.08   | ✓    |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 4.20       | 3.60      | 0.15       | 2.27   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 9.60       | 3.60      | 0.15       | 5.18   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 10.00      | 1.00      | 0.15       | 1.50   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 2   | 7.00       | 4.20      | 0.15       | 8.82   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 3.80       | 1.00      | 0.15       | 0.57   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 30.00      | 1.00      | 0.15       | 4.50   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 30.00      | 6.10      | 0.15       | 27.45  |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 30.00      | 5.30      | 0.15       | 23.85  |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 30.00      | 4.30      | 0.15       | 19.35  |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                    | 1   | 8.00       | 5.00      | 0.15       | 6.00   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | Total:-              |     |            |           |            | 106.86 | Cum  | 2977.54      | 318180.00        |
| 15      | 5.7.53      |             | <b>Providing and filling empty cement bags</b><br>Supply of new bag with labour for filling new EC bag with local sand (volume of filled bag 1.2 cft and weight 50kg), stitching on two line by approved nylon thread with stitching machine & generator, stacking the bags and placing with a lead of 150m including supply of nylon threads etc all complete as per approved design, specification and direction of E/I. |                      |     |            |           |            |        |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                    | 0   | 0.00       | 0.00      | 0.00       | 0.00   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                    | 0   | 0.00       | 0.00      | 0.00       | 0.00   |      |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | Total:-              |     |            |           |            | 0.00   | Cum  |              |                  |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            | @ 0.034 Cum each bag |     |            |           |            | 0      | No.  | 38.03        | 0.00             |
|         |             |             |                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |     |            |           |            |        |      | <b>TOTAL</b> | <b>836651.00</b> |

#### SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

|                       |  |  |        |      |   |        |     |          |                  |
|-----------------------|--|--|--------|------|---|--------|-----|----------|------------------|
| LOCAL SAND            |  |  | 106.86 | 1.20 | = | 128.23 | Cum | 141.85   | 18190.00         |
| BRICK BAT             |  |  | 213.72 | 1.20 | = | 256.46 | Cum | 1,050.00 | 269287.00        |
| GSB                   |  |  | 0.00   | 1.28 | = | 0.00   | Cum | 285.35   | 0.00             |
| LOCAL SAND            |  |  | 0.00   | 1.20 | = | 0.00   | Cum | 141.85   | 0.00             |
| TOTAL MATERIAL COST:- |  |  |        |      |   |        |     |          | <b>287477.00</b> |
| SEIGNORAGE FEE 10%    |  |  |        |      |   |        |     |          | <b>28748.00</b>  |

*[Signature]*  
J.E  
R.W.D  
Dighalbank

*[Signature]*  
05/11/21  
A.E  
R.W.D  
Dighalbank

*[Signature]*  
R.W.D  
Kishangar  
12/11/21