



**DETAILED PROJECT REPORT FOR MORTABLE  
REPAIRING OF ROAD**

F.D.R MORTABLE RESTORATION (YEAR - 2021)

T04 TO BISANI

**DETAILED ESTIMATE OF F. D. R MORTABLE REPAIRING ROAD**

|                                       |              |        |      |
|---------------------------------------|--------------|--------|------|
| ROAD LENGTH                           | 0 TO 10700M  |        |      |
| DISTRICT                              | KISHANGANJ   |        |      |
| BLOCK                                 | POTHIA       |        |      |
| DIVISION                              | KISHANGANJ-2 |        |      |
| TOTAL LENGTH OF ROAD                  | :            | 10.700 | KM   |
| TOTAL COST OF F.D.R PART - A          | :            | 20.686 | LAKH |
| ADD GST @ 12 %                        | :            | 2.482  | LAKH |
| ADD LABOUR CESS @ 1 %                 | :            | 0.207  | LAKH |
| ADD Seigniorage Fee @ 10%             | :            | 0.576  | LAKH |
| TOTAL COST OF RESTORATION WORK in Rs. | :            | 23.951 | LAKH |

--Submitted By:-  
EXECUTIVE ENGINEER  
RURAL WORKS DEPARTMENT  
WORKS DIVISION KISHANGANJ-2



## प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमण्डल किशनगंज -2 अन्तर्गत ..... गौरीगंज .....  
बाढ़ के पथ ..... 2104 से बिसासी ..... (FDR) जो  
विनागीय Online Monitoring System MIS पर अपलोड है के बाढ़ 2021 से क्षतिग्रस्त हो जाने के  
कारण यातायात लायक Moterable हेतु बनाया गया है। इस कार्य को करने का निर्देश ग्रामीण कार्य  
विभाग, बिहार सरकार के पत्रांक:-मु0अ0-4(मु0) विविध (कार्य) -23-291/2019-4275/पटना, दिनांक-  
22/10/2021 से प्राप्त है। इस पत्र से Real time Geotagged Photographs को कार्य के दौरान  
अपलोड करते हुए (Moterable) कार्य कराना सुनिश्चित करने का निर्देश प्राप्त है।

इस निर्देश के आलोक में ..... डी.क.नदी ..... अतिवृष्टि/बाढ़ उपचार से आए बाढ़ के कारण इस पथ के  
बाढ़ के क्षतिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Moterable कार्य कराया गया है। MIS में  
अपलोडेड फोटो दिनांक ..... का Lat/Long के साथ लिया गया है। नेपाल तराई से  
बहनेवाली इस नदी के तेज धार से इस पथ में कटाव की स्थिति बनी। गोदरेवल कार्य में  
अवश्यकतानुसार मिट्टी भराई, लोकल बालु भराई, खाली सिमेंट बैग में लोकल बालु भरकर, बॉस का  
इस्तेमाल, चघरी, बॉस का रनर, ह्यूम पाइप एवं ब्रिक बैट का इस्तेमाल किया गया है। निर्देशानुसार कराए  
गए कार्य कि Geotagged Photographs Real Time के साथ MIS पर उद्धृत है। MIS की  
व्यवस्थापति, अपलोडेड फोटोग्राफ की छायाप्रति, दर विश्लेषण एवं विनागीय आदेशों की छायाप्रति प्राक्कलन  
संग्रह की जा रही है। प्राक्कलन में प्रयुक्त दर अद्यतन है।

प्राक्कलन की यथाशीघ्र अनुमोदन अपेक्षित है ताकि अग्रतर कार्रवाई की जा सके।

नीय अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रशाखा, ..... Pollmer .....

सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अवर प्रमंडल, ... P. M. M. .....

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल किशनगंज-2



## Inspection Report for Flood Damage Work

1. Name of PIUs : Qislongani-2
2. Name Of Block / Road : Lethis / T64 to Bisani
- A. For Road
1. Damage Location / Chainage : 481.00 M
2. Damage Length : 481.00 M
3. Nature Of Damage : Cut and erosion of flank crust
4. Details Of Restoration : Earthwork, sand filling, brickbat laying  
EC bag with L-sand
5. Material Being Used In Restoration : Soil, sand, brickbat, EC bag, L-sand
6. Equipment / Tools Being Used In Restoration Works : Tractor, Trolley, JCB
7. Procedure Taken Up In Restoration Works : Manually
8. Restored Length : 481.00 M
- B. For Bridge
1. Damage Location / Chainage :
2. Damage Length :
3. Nature Of Damage :
4. Details Of Restoration :
5. Material Being Used In Restoration :
6. Equipment / Tools Being Used in Restoration Works :
7. Procedure Taken Up In Restoration Works ::
8. Restored Length :

Work has been Completed at satisfactory

Signature of JE / AE / EE  
25/11/21  
25/11/21

Signature  
25/11/2021

(Name Of Inspector)

### ABSTRACT OF COST

| Name of Work :- | T04 TO BISANI                              |                      |
|-----------------|--------------------------------------------|----------------------|
| Block :-        | Pothia                                     |                      |
| SL. No.         | Particulars                                | Amount (In Rs.)      |
| A               | Cost of Restoration work :-                | Rs 2068646.00        |
| B               | Add 12 % GST                               | Rs 248238.00         |
| C               | Add 1 % L. Cess                            | Rs 20686.00          |
| D               | Add S.Fee @ 10 % of Material Cost          | Rs 57568.00          |
|                 | <b>Total Cost with GST, LC &amp; S.Fee</b> | <b>Rs 2395138.00</b> |

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

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

*[Signature]*  
E.E  
R.W.D  
Kishanganj - 2

Technically Sanction for Rs. 23,95,138.00 (Rupees Twenty Three Lacs. ninety five Thousand one hundred thirty eight)

*[Signature]*  
04/04/22  
E.O

*[Signature]*  
04/04/22  
अधीक्षक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अंचल, कलकत्ता

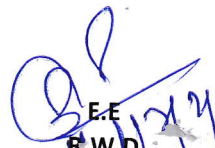
### GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

|                        |               |
|------------------------|---------------|
| NAME OF ROAD :-        | T04 TO BISANI |
| DISTRICT :             | KISHANGANJ    |
| DIVISION :             | KISHANGANJ-2  |
| BLOCK :-               | POTHIA        |
| LENGTH OF ROAD (IN KM) | 10.70         |

| Sl. No. | ITEM OF WORK                                | Amount<br>(In LAKHS.) |
|---------|---------------------------------------------|-----------------------|
| 1       | LOCAL SAND                                  | 1.056                 |
| 2       | HUME PIPE                                   | 0.000                 |
| 3       | BRICK BATS                                  | 6.724                 |
| 4       | SAND BAGS                                   | 9.861                 |
| 5       | BAMBOO WORK                                 | 3.045                 |
| 6       | STEEL DRUM SHEET                            | 0.000                 |
|         | TOTAL COST OF PROJECT                       | 20.686                |
|         | Add 12 % GST                                | 2.482                 |
|         | Add 1 % L. Cess                             | 0.207                 |
|         | Add Seigniorage Fee @ 10 % of Material Cost | 0.576                 |
|         | Total Cost of Restoration Work              | 23.951                |

  
J.E  
R.W.D  
POTHIA

  
A.E  
R.W.D  
POTHIA

  
E.E  
R.W.D  
Kishanganj - 2



| SL No. | MORD Ref.No | Description                                                                                                                        | No.     | No. | Length (M) | Width (M) | Height (M) | Qty.  | Unit    | Rate (Rs.) | Amount (Rs.) |           |
|--------|-------------|------------------------------------------------------------------------------------------------------------------------------------|---------|-----|------------|-----------|------------|-------|---------|------------|--------------|-----------|
|        |             |                                                                                                                                    | 1       | 3   | 20.00      | -         | -          | 60.00 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 3   | 20.00      | -         | -          | 60.00 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 3   | 10.00      | -         | -          | 30.00 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 3   | 10.00      | -         | -          | 30.00 |         |            |              |           |
|        |             |                                                                                                                                    | Total:- |     |            |           |            |       | 1443.00 | Mtr.       | 27.71        | 39986.00  |
| 92     | 1100        | <b>Sand filling or Type B (First class) bedding</b>                                                                                |         |     |            |           |            |       |         |            |              |           |
| (a)    | & 800       | Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9                         |         |     |            |           |            |       |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.25      | 0.30       | 11.25 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 5.00       | 1.05      | 0.35       | 1.84  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 5.00       | 0.90      | 0.30       | 1.35  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 10.00      | 1.20      | 0.40       | 4.80  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 10.00      | 1.10      | 0.30       | 3.30  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 25.00      | 1.35      | 0.25       | 8.44  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 25.00      | 1.45      | 0.35       | 12.69 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 25.00      | 1.50      | 0.30       | 11.25 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 8.00       | 1.00      | 0.30       | 2.40  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 15.00      | 1.05      | 0.30       | 4.73  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 5.00       | 0.75      | 0.35       | 1.31  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 25.00      | 1.10      | 0.40       | 11.00 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.25      | 0.50       | 18.75 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.35      | 0.30       | 12.15 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 20.00      | 1.25      | 0.25       | 6.25  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 28.00      | 1.20      | 0.30       | 10.08 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.55      | 0.35       | 16.28 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.45      | 0.40       | 17.40 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 15.00      | 1.15      | 0.25       | 4.31  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 10.00      | 0.85      | 0.45       | 3.83  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 20.00      | 1.35      | 0.35       | 9.45  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 20.00      | 1.20      | 0.30       | 7.20  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 20.00      | 1.05      | 0.50       | 10.50 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 20.00      | 1.40      | 0.30       | 8.40  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 10.00      | 1.10      | 0.25       | 2.75  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 10.00      | 1.00      | 0.35       | 3.50  |         |            |              |           |
|        |             |                                                                                                                                    | Total:- |     |            |           |            |       | 205.21  | Cum        | 514.43       | 105566.00 |
| WRD    | 5.7.40      | <b>Brick bats</b>                                                                                                                  |         |     |            |           |            |       |         |            |              |           |
|        |             | Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I |         |     |            |           |            |       |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.25      | 0.60       | 22.50 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 5.00       | 1.05      | 0.50       | 2.63  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 5.00       | 0.90      | 0.45       | 2.03  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 10.00      | 1.20      | 0.60       | 7.20  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 10.00      | 1.10      | 0.40       | 4.40  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 25.00      | 1.35      | 0.45       | 15.19 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 25.00      | 1.45      | 0.65       | 23.56 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 25.00      | 1.50      | 0.40       | 15.00 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 8.00       | 1.00      | 0.50       | 4.00  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 15.00      | 1.05      | 0.60       | 9.45  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 5.00       | 0.75      | 0.45       | 1.69  |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 25.00      | 1.10      | 0.50       | 13.75 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.25      | 0.45       | 16.88 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.35      | 0.60       | 24.30 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 20.00      | 1.25      | 0.40       | 10.00 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 28.00      | 1.20      | 0.50       | 16.80 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.55      | 0.45       | 20.93 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 30.00      | 1.45      | 0.65       | 28.28 |         |            |              |           |
|        |             |                                                                                                                                    | 1       | 1   | 15.00      | 1.15      | 0.55       | 9.49  |         |            |              |           |

| Sl. No. | Description | No. | No. | Length (M) | Width (M) | Height (M) | Qty.   | Unit | Rate (Rs.) | Amount (Rs.) |
|---------|-------------|-----|-----|------------|-----------|------------|--------|------|------------|--------------|
|         |             | 1   | 1   | 10.00      | 0.85      | 0.45       | 3.83   |      |            |              |
|         |             | 1   | 1   | 20.00      | 1.35      | 0.35       | 9.45   |      |            |              |
|         |             | 1   | 1   | 20.00      | 1.20      | 0.65       | 15.60  |      |            |              |
|         |             | 1   | 1   | 20.00      | 1.05      | 0.50       | 10.50  |      |            |              |
|         |             | 1   | 1   | 20.00      | 1.40      | 0.45       | 12.60  |      |            |              |
|         |             | 1   | 1   | 10.00      | 1.10      | 0.50       | 5.50   |      |            |              |
|         |             | 1   | 1   | 10.00      | 1.00      | 0.45       | 4.50   |      |            |              |
| Total:- |             |     |     |            |           |            | 310.06 | Cum  | 2168.72    | 672433.00    |

### 57.53 Providing and filling empty cement bags

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.

|   |   |       |      |      |       |
|---|---|-------|------|------|-------|
| 1 | 1 | 30.00 | 1.25 | 1.10 | 41.25 |
| 1 | 1 | 5.00  | 1.05 | 1.10 | 5.78  |
| 1 | 1 | 5.00  | 0.90 | 1.20 | 5.40  |
| 1 | 1 | 10.00 | 1.20 | 1.35 | 16.20 |
| 1 | 1 | 10.00 | 1.10 | 1.25 | 13.75 |
| 1 | 1 | 25.00 | 1.35 | 1.45 | 48.94 |
| 1 | 1 | 25.00 | 1.45 | 1.35 | 48.94 |
| 1 | 1 | 25.00 | 1.50 | 1.65 | 61.88 |
| 1 | 1 | 8.00  | 1.00 | 1.10 | 8.80  |
| 1 | 1 | 15.00 | 1.05 | 1.20 | 18.90 |
| 1 | 1 | 5.00  | 0.75 | 1.00 | 3.75  |
| 1 | 1 | 25.00 | 1.10 | 1.45 | 39.88 |
| 1 | 1 | 30.00 | 1.25 | 1.70 | 63.75 |
| 1 | 1 | 30.00 | 1.35 | 1.65 | 66.83 |
| 1 | 1 | 20.00 | 1.25 | 1.55 | 38.75 |
| 1 | 1 | 28.00 | 1.20 | 1.60 | 53.76 |
| 1 | 1 | 30.00 | 1.55 | 1.55 | 72.08 |
| 1 | 1 | 30.00 | 1.45 | 1.65 | 71.78 |
| 1 | 1 | 15.00 | 1.15 | 1.45 | 25.01 |
| 1 | 1 | 10.00 | 0.85 | 1.60 | 13.60 |
| 1 | 1 | 20.00 | 1.35 | 1.25 | 33.75 |
| 1 | 1 | 20.00 | 1.20 | 1.35 | 32.40 |
| 1 | 1 | 20.00 | 1.05 | 1.45 | 30.45 |
| 1 | 1 | 20.00 | 1.40 | 1.35 | 37.80 |
| 1 | 1 | 10.00 | 1.10 | 1.20 | 13.20 |
| 1 | 1 | 10.00 | 1.00 | 1.50 | 15.00 |

Total:- 881.63 Cum

@ 0.034 Cum each bag 25930 No. 38.03 986118.00

**TOTAL 2068646.00**

### SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

|            |  |  |        |      |   |         |     |          |           |
|------------|--|--|--------|------|---|---------|-----|----------|-----------|
| LOCAL SAND |  |  | 205.21 | 1.20 | = | 246.25  | Cum | 141.85   | 34931.00  |
| BRICK BAT  |  |  | 310.06 | 1.20 | = | 372.07  | Cum | 1,050.00 | 390676.00 |
| GRB        |  |  | 0.00   | 1.28 | = | 0.00    | Cum | 285.35   | 0.00      |
| LOCAL SAND |  |  | 881.63 | 1.20 | = | 1057.96 | Cum | 141.85   | 150071.00 |

**TOTAL MATERIAL COST:- 575678.00**

**SEIGNORAGE FEE 10% 57568.00**

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

*[Signature]*  
A.E  
R.W.D  
Pothia

*[Signature]*  
E.E  
R.W.D  
Kishanganj - 2