



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

ESTIMATE FOR REPAIRING / RESTORATION / MAKING MOTORABLE ROADS DAMAGED DURING  
FLOOD

वर्ष 2020

## Detailed Project Report

|                       |                                                      |           |     |
|-----------------------|------------------------------------------------------|-----------|-----|
|                       |                                                      |           |     |
| Name of Road :-       | Sitapur Main Road SH-91 to Ward No-10 Pswan tola tak |           |     |
| District :-           | Supaul                                               |           |     |
| Block :-              | Virpur                                               |           |     |
| Circle :-             | R.W.D, Work Circle, Madhepura                        |           |     |
| Construction Cost:- ₹ | 1,697,619                                            | 17,06,565 | 200 |

Submitted By:  
Executive Engineer  
R.W.D. Works Division,  
Virpur

## प्रतिवेदन

**पथ का नाम-**

**कार्य का नाम-**

बाढ़ से क्षतिग्रस्त भाग में यातायात चालू करने का कार्य ।

संगठन प्राक्कलन 10.06.2020 को प्रखण्ड में आई भीषण बाढ़ से क्षतिग्रस्त FDR-2245 मरम्मत मथ से यातायात चालू करने हेतु तैयार किया गया है। जिसकी प्राक्कलित लागत .....17,06,445..... है। उक्त पथ का निर्माण .....मरम्मत.....योजनान्तर्गत हुआ है। पथ के क्षतिग्रस्त भाग में आवश्यकता अनुसार Hume pipe, Bamboo, Local sand, Brick bats, देने के बाद यातायात चालू किया गया है। पथ के विभिन्न हिस्से में कराये गए कार्य का विवरणी स्पष्ट रूप से प्रकलन में दर्शाया गया है।

प्राककलन मदो का दर वर्तमान अनुसूची दर के अनुरूप है ।

कनिया अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रासखा.....

सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अवर प्रमंडल.....

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल वीरपुर

# Inspection Report for Flood Damage Work

Date:-

1. Name of PIUs:- *Sri Arjun Bared*
2. Name of Block/Road:- *Safapur Main Road SH91 to ward no - 10 Purnea Jalka Teh.*

## **A For Road**

1. Damage Location / chainage *465 m*
2. Damage Length *641.25 m*
3. Nature of Damage *Flush out*

### **4. Details of Restoration Works:**

- I. Material being used in Restoration work: *Local Sand, Bamboo, Empty Cement bag, B.C bag*
- II. Equipments /tools being in Restoration work:
- III. Procedure taken up in Restoration work:
- IV. Restored Length

## **B For ~~Road~~ Bridge**

1. Damage Location / chainage *Approach*  
*1.80 km*
2. Damage Length *2x20m*
3. Nature of Damage *Approach cutting*

### **4. Details of Restoration Works:**

- I. Material being used in Restoration work: *Local Sand, Empty bag, Brick bats.*
- II. Equipments /tools being in Restoration work:
- III. Procedure taken up in Restoration work:
- IV. Restored Length *641.25*

*Signature*  
*28/10/20*

Signature JE/AE/EE

*Signature*  
*28/10/20*

**Executive Engineer**  
Rural Works Department  
Ward. Division, Birpur

*Signature*  
*28/10/20*

(Name of Inspector)

# SUMMARY OF COST ESTIMATE FOR THE PROJECT

| NAME OF ROAD :- | Sitapur Main Road SH-91 to Ward No-10 Pswan tola tak |                                 |
|-----------------|------------------------------------------------------|---------------------------------|
| DISTRICT :-     | Supaul                                               |                                 |
| BLOCK :-        | Virpur                                               |                                 |
| Sl. No.         | DESCRIPTION                                          | AMOUNT (LAKHS)                  |
| 1               | Filling of local sand                                | 788660.55                       |
| 2               | Labour for cutting 62mm to 75mm dia bamboo           | <del>15451.56</del><br>23458.65 |
| 3               | Labour for fitting 62mm to 75mm dia bamboo           | 16108.20                        |
| 4               | Labour for filling empty cement bags with local sand | 0.00                            |
| 5               | Supplying of EC bag, of local sand                   | 682097.52                       |
| 6               | Supply and Carriage of brick bats                    | 0.00                            |
| 7               | Supply, laying and carriage of 1000 mm HPC           | 0.00                            |
| 8               | Granular Sub-base                                    | 0.00                            |
|                 | SUB TOTAL COST =                                     | <del>1502317.83</del>           |
|                 | ADD GST @12% =                                       | <del>1510234</del>              |
|                 | Add Labour cess @ 1% =                               | <del>180278.14</del>            |
|                 | Add Contingency @ 1% =                               | <del>15102</del>                |
|                 | TOTAL (RS.) =                                        | <del>1697619</del>              |

10/10/2020  
J.E

28/10/20  
A.E

17,06,565.00  
E.E

S.E

Technically approved at 17,06,565.00 (Rupees Lakhs be in thousand the hundred fifty six only.)

08/04/21  
Superintending Engineer  
Rural Works Department  
Works Circle Madhapura

## Bill of Quantity

| NAME OF ROAD :- |                                                                                                                                                                                                                                                                                | Sitapur Main Road SH-91 to Ward No-10 Pswan tola tak |            |              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------|--------------|
| DISTRICT :-     |                                                                                                                                                                                                                                                                                | SUPAUL                                               |            |              |
| BLOCK :-        |                                                                                                                                                                                                                                                                                | Virpur                                               |            |              |
| Sl. No.         | DESCRIPTION OF ITEMS                                                                                                                                                                                                                                                           | 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                                                                                                                                     | 1282.50                                              | 614.94     | 788660.55    |
| 2               | Labour for cutting 62 mm 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.                                                                                            | 513.00                                               | 45.73      | 23458.65     |
| 3               | Labour for fitting & fixing 62 mm to 75 mm 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.                    | 513.00                                               | 31.40      | 16108.20     |
| 4               | Labour for fitting empty cement bags with local sand, stitching the bags and placing in Nylon crate of size (1 m X 1 m X 1 m )with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I | 0.00                                                 | 894.60     | 0.00         |
| 5               | Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.                                                                                                                                                           | 22646.00                                             | 30.12      | 682097.52    |
| 6               | Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.                                                                                                                                                                | 0.00                                                 | 2106.15    | 0.00         |
| 7               | Supplaying and carriage of hume pipe 1000 mm dia , all complete job.                                                                                                                                                                                                           | 0.00                                                 | 4,629.59   | 0.00         |

|   |                                                           |                |          |            |
|---|-----------------------------------------------------------|----------------|----------|------------|
| 8 | Granular Sub-base with Well Graded Material (Table 400.1) | 0.00           | 3,002.09 | 0.00       |
|   |                                                           | A) SUB TOTAL = |          | 1510324.92 |
|   |                                                           | TOTAL COST =   |          | 1510325    |

MO 28/10/2020  
 C. K. P. S. S. S.  
 P. K. P. S. S.

28/10/20  
 A.G.

# ESTIMATE FOR REPAIRING / RESTORATION/ MAKING MOTORABLE ROADS DAMAGED DURING FLOOD

|                 |                                                                                                                                                                                                                                                             |                                                      |              |       |      |      |          |            |              |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------|-------|------|------|----------|------------|--------------|
| NAME OF ROAD :- |                                                                                                                                                                                                                                                             | Sitapur Main Road SH-91 to Ward No-10 Pswan tola tak |              |       |      |      |          |            |              |
| DISTRICT :-     |                                                                                                                                                                                                                                                             | Supaul                                               |              |       |      |      |          |            |              |
| BLOCK :-        |                                                                                                                                                                                                                                                             | Virpur                                               |              |       |      |      |          |            |              |
| Sl. No.         | DESCRIPTION OF ITEMS                                                                                                                                                                                                                                        | Unit                                                 | Nos.         | L(m)  | B(m) | D(m) | 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                                                  | 2            | 25.00 | 2.50 | 4.50 | 562.50   |            |              |
|                 |                                                                                                                                                                                                                                                             | cum                                                  | 2            | 32.00 | 2.50 | 4.50 | 720.00   |            |              |
|                 |                                                                                                                                                                                                                                                             | cum                                                  | total qty :- |       |      |      | 1282.50  | 614.94     | 788660.55    |
| 2               | Labour for cutting 62 mm 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.                                                                         |                                                      |              |       |      |      |          |            |              |
|                 |                                                                                                                                                                                                                                                             |                                                      | 2            | 25.00 | 4.50 |      | 225.00   |            |              |
|                 |                                                                                                                                                                                                                                                             |                                                      | 2            | 32.00 | 4.50 |      | 288.00   |            |              |
|                 |                                                                                                                                                                                                                                                             | Mtr.                                                 | total qty:-  |       |      |      | 513.00   | 30.12      | 15,451.56    |
|                 |                                                                                                                                                                                                                                                             |                                                      |              |       |      |      |          |            |              |
|                 |                                                                                                                                                                                                                                                             |                                                      |              |       |      |      |          |            |              |
| 3               | Labour for fitting & fixing 62 mm to 75 mm 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. |                                                      |              |       |      |      |          |            |              |
|                 |                                                                                                                                                                                                                                                             |                                                      | 2            | 25.00 | 4.50 |      | 225.00   |            |              |
|                 |                                                                                                                                                                                                                                                             |                                                      | 2            | 32.00 | 4.50 |      | 288.00   |            |              |
|                 |                                                                                                                                                                                                                                                             | Mtr.                                                 | total qty :- |       |      |      | 513.00   | 31.40      | 16108.20     |

|   |                                                                                                                                                                                                                                                                                |      |                   |       |      |        |        |          |  |           |  |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|-------|------|--------|--------|----------|--|-----------|--|
| 4 | Labour for filling empty cement bags with local sand, stitching the bags and placing in Nylon crate of size (1 m X 1 m X 1 m )with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I |      |                   |       |      |        |        |          |  |           |  |
|   | Both Side                                                                                                                                                                                                                                                                      |      | 0                 | 25.00 | 1.00 | 5.50   | 0.00   |          |  |           |  |
|   |                                                                                                                                                                                                                                                                                |      | 0                 | 32.00 | 1.00 | 5.50   | 0.00   |          |  |           |  |
|   |                                                                                                                                                                                                                                                                                |      | 0                 | 19.00 | 1.50 | 1.50   | 0.00   |          |  |           |  |
|   |                                                                                                                                                                                                                                                                                |      |                   |       |      |        | 0.00   |          |  |           |  |
|   | No of Each Bags                                                                                                                                                                                                                                                                |      | 0                 |       | X    | 35.315 | 0.00   |          |  |           |  |
|   | No of Nylon crate =(No of bags                                                                                                                                                                                                                                                 |      |                   | 0.00  | /    | 25     | 0.00   |          |  |           |  |
|   |                                                                                                                                                                                                                                                                                | No   | total qty :-      |       |      |        | 0.00   | 894.60   |  | 0.00      |  |
| 5 | Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.                                                                                                                                                           |      |                   |       |      |        |        |          |  |           |  |
|   | Both Side                                                                                                                                                                                                                                                                      | cum  | 2                 | 25    | 4.50 | 1.25   | 281.25 |          |  |           |  |
|   |                                                                                                                                                                                                                                                                                | cum  | 2                 | 32    | 4.50 | 1.25   | 360.00 |          |  |           |  |
|   | total No of E C Bags =                                                                                                                                                                                                                                                         |      | 641.25 X          |       |      |        | 35.315 | 22646.00 |  |           |  |
|   |                                                                                                                                                                                                                                                                                | Each | Say No of Bage :- |       |      |        | 22646  | 30.12    |  | 682097.52 |  |
| 6 | Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.                                                                                                                                                                |      |                   |       |      |        |        |          |  |           |  |
|   |                                                                                                                                                                                                                                                                                | cum  | 0                 | 4.00  | 3.00 | 4.10   | 0.00   |          |  |           |  |
|   |                                                                                                                                                                                                                                                                                |      |                   |       |      |        |        |          |  |           |  |
|   |                                                                                                                                                                                                                                                                                | cum  | total qty :-      |       |      |        | 0.00   | 2106.15  |  | 0.00      |  |



