

# GOVERNMENT OF BIHAR

## UNDER FLOOD DAMAGE REPAIR

### Estimate for Restoration of Traffic

DISTRICT :

WEST CHAMPARAN

BLOCK :

BAIRIYA

YEAR(2020-2021)

NAME OF ROAD :

Bettiah Sant Ghat to Pujaha

Total Length

:

0.022

KMS

Cost of Pavement (Rs.)

:

445932

Total Cost Of Road (Rs.)

:

445932

SUBMITTED BY

Executive Engineer RWD

Works Division, Bettiah

बिहार सरकार  
ग्रामीण कार्य विभाग

पत्रांक - मु0अ0-4 (मु0) विविध (कार्य)-23-40/16 - 2254

पटना, दिनांक 30/6/2020

प्रेषक,

पंकज कुमार पाल,  
सचिव

सेवा में,

सभी कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
बिहार, पटना।

विषय- संभावित अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथों के आपातकालीन मरम्मत के संबंध में।

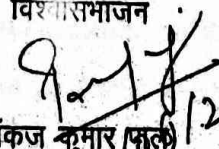
महाराज,

उपर्युक्त विषय के संबंध में कहना है कि राज्य में मानसून अति सक्रिय है जिसके कारण बाढ़ प्रवण जिलों में पथों के क्षतिग्रस्त होने की संभावना है। अतः निदेश दिया जाता है कि वर्तमान मानसून के दौरान अतिवृष्टि/बाढ़ से क्षतिग्रस्त पथों को मोटरेबुल बनाने का कार्य तत्परता से प्राथमिकता में किया जाय जिससे कि पथों में यातायात कम से कम समय तक बाधित रहे। इस क्रम में यह भी निदेश है कि जिला प्रशासन के साथ वर्षा-अवधि के दौरान लगातार समन्वय रखी जाय एवं उनसे प्राप्त पथों की मरम्मत का कार्य प्राथमिकता में कराया जाय।

ऐसे पथ जिनकी अनुरक्षण नीति के अन्तर्गत मरम्मत कार्य की निविदा प्रक्रिया में है उनको भी मोटरेबुल बनाए रखना विभाग का दायित्व है। इन्हें मोटरेबुल बनाए रखने में यदि प्राक्कलन में प्राक्धानित मदों का उपयोग किया जाना आवश्यक हो तो वैसे स्थिति में एकरारनामा करने के समय इन मदों की उतनी मात्रा परिमाण विपत्र में से घटा दिया जाए।

क्षेत्रीय पदाधिकारी वर्षा-अवधि के दौरान बिना जिलाधिकारी अथवा अधोहस्ताक्षरी की अनुमति के मुख्यालय नहीं छोड़ेंगे।

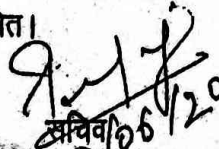
विश्वासभाजन

  
(पंकज कुमार पाल)  
सचिव 30/6/2020

ज्ञापक- मु0अ0-4 (मु0) विविध (कार्य) 23-40/16 - 2254

पटना, दिनांक 30/6/2020

प्रतिलिपि- सभी प्रमंडल आयुक्त/जिलाधिकारी/सभी मुख्य अभियंता/सभी अधीक्षण अभियंता  
ग्रामीण कार्य विभाग, बिहार, पटना को सूचनार्थ एवं आवश्यक कारवाई हेतु प्रेषित।

  
सचिव 30/6/2020

## TECHNICAL REPORT

Name of Road :- Bettah Santghat to pyjaha.

Name of Block:- Beiniya.

Name of Division:- Bettah.

Name of District:- West Champaran.

Estimated Cost:- Rs - 445932-00

Restoration Length:- 22M

This Estimate is prepared for Restoration of ...Bettah Santghat to pyjaha.

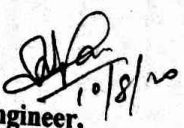
.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide, झापांक:- मु0अ0 -4 (मु0) विविध (कार्य) 23 -40 /16-2254 पटना, दिनांक 30.06.2020. Road remains effected from flooded about 01 to 02 weeks and heavy amount of water passed through it.

Honorable Chief Minister/Secretary, Rural Works Department, Bihar, Patna/D.M., West Champara Bettiah/Concerned MP/MLA has instructed to maintain the traffic and movement of public etc. at the earliest so that public of this area may get connected and for the same Departmental instruction has also been issued to fill the gap made by flooded immediately.

The area surrounding is submerged in water and hence provision of .....b.n.c.k. hnts..... has been made to maintain the road damage due to flood/heavy rainfall as per availability of material from available place by tractor. Presently there is no Contractor is employed for Construction and Maintenance of this road hence the work has been carried out Departmentally and due to this, provision of Contractor profit is not mentioned in the estimate.

In view of above, it is requested to approve the estimate amounting to Rs. 4,45,932-00 please.

Submitted for Technical Approval please.

  
Junior Engineer,  
Yogapatti

  
Assistant Engineer,  
Yogapatti

  
Executive Engineer  
R.W.D.(W) Division, Bettiah

**(RURAL WORKS DEPARTMENT, GOVT. OF BIHAR )**  
**COST ESTIMATE FOR traffic Restoration**

**Name of Road:** Bettiah Sant Ghat to Pujaha  
**District:** WEST CHAMPARAN

**Block:** YOGAPATTI  
**Cutting length**

**Length:** 22.000 m  
**22.00 M**

| S. No. | SOR Item No. | Description                                                                                      | No | Length (M) | Width (M) | H/D (M) | Qty.   | Unit | Rates (in Rs.) | Amount    |
|--------|--------------|--------------------------------------------------------------------------------------------------|----|------------|-----------|---------|--------|------|----------------|-----------|
| 3      | RCD          | Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge |    |            |           |         |        |      |                |           |
|        |              | As per measurement                                                                               |    |            |           |         | 220.00 | cum  | 1703.77        | 374830.20 |
|        |              | Total Road work                                                                                  |    |            |           |         |        |      |                | 374830.20 |
|        |              | Say Rs.                                                                                          |    |            |           |         |        |      |                | 374830.20 |
|        |              | Add GST @12%                                                                                     |    |            |           |         |        |      |                | 44979.62  |
|        |              | Add Labour Cess @1%                                                                              |    |            |           |         |        |      |                | 3748.30   |
|        |              | Add Seignrage Fee@10% of basic material rate                                                     |    |            |           |         |        |      |                | 22374.00  |
|        |              | Total Cost of work                                                                               |    |            |           |         |        |      |                | 445932.13 |
|        |              | Say Total Rs.                                                                                    |    |            |           |         |        |      |                | 445932    |

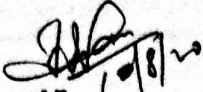
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10/10/20

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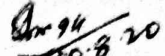
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**Detailed Measurement Brick Bat**

| No           | L(m)      | W(m)          | D(m) | Qty(cum)      |
|--------------|-----------|---------------|------|---------------|
| 1            | 10.0      | $(5.0+3.0)/2$ | 2.50 | 100.000       |
| 1            | 12.0      | $(6.0+4.0)/2$ | 2.00 | 120.000       |
| <b>TOTAL</b> | <b>22</b> |               |      | <b>220.00</b> |

  
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# **RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL**

With truck

Rs 8.79 Per Tonne Per Km

Rs 8.17 Per Tonne Per Km

Rs 16.45 Per Tonne Per Km

With tractor

Rs 17.25 Per Tonne Per Km

Rs 21.56 Per Tonne Per Km

Rs 26.95 Per Tonne Per Km

Carriage Cost (Surfaced Road)

Carriage Cost (Un Surfaced Road)

Carriage Cost (Kaccha Road)

NAME OF ROAD

BLOCK

Bettiah Sant Ghat to Pujaha  
BARUA

DISTRICT WEST CHAMPARAN

| S NO. | Material                             | Railway Freight<br>(Rs) | Lead Distance(Km) |                    |                | Loading | Unloading | Unit     | Carriage Cost Per Km |                    |                | Total<br>Carriage<br>Cost |        | SOURCE          |
|-------|--------------------------------------|-------------------------|-------------------|--------------------|----------------|---------|-----------|----------|----------------------|--------------------|----------------|---------------------------|--------|-----------------|
|       |                                      |                         | Surface<br>Road   | Unsurfaced<br>Road | Kaccha<br>Road |         |           |          | Surface<br>Road      | Unsurfaced<br>Road | Kaccha<br>Road |                           |        |                 |
| 1     | Aggregate for WBM Grit & Gr          | 1,987.88                | 20                | 0                  | 0              | 109.85  | 66.46     | Cum      | 236.69               | 0.00               | 0.00           | 2400.88                   |        | SHEKHPUR<br>A   |
| 2     | Crushed Stone for Concrete<br>work   | 1,833.26                | 20                | 0                  | 0              | 109.85  | 66.46     | Cum      | 217.72               | 0.00               | 0.00           | 2227.29                   |        | SHEKHPUR<br>A   |
| 3     | Stone Chips (For PMC & Seal<br>Coat) | 1,833.26                | 20                | 0                  | 0              | 109.85  | 66.46     | Cum      | 217.72               | 0.00               | 0.00           | 2227.29                   |        | MIRJA<br>CHOWNI |
| 4     | Macrum                               | 1,439.39                | 20                | 0                  | 0              | 66.46   | 41.61     | Cum      | 181.07               | 0.00               | 0.00           | 1728.53                   |        | SHEKHPUR<br>A   |
| 5     | Cement                               |                         | 20                | 0                  | 0              | 163.11  | 163.11    | MT       | 135.80               | 0.00               | 0.00           | 462.02                    |        | Local           |
| 6     | Coarse Sand                          |                         | 147               | 0                  | 0              | 66.46   | 41.61     | Cum      | 1600.21              | 0.00               | 0.00           | 1708.28                   |        | KOLWAR          |
| 7     | Fine Sand(Local Sand)                |                         | 2                 | 0                  | 1              | 66.46   | 41.61     | Cum      | 21.77                | 0.00               | 26.37          | 196.21                    |        | Local           |
| 8     | Steel Reinforcement                  |                         | 20                | 0                  | 0              | 173.19  | 173.19    | Tonne    | 135.80               | 0.00               | 0.00           | 482.18                    |        | Local           |
| 9     | RCC Pipe NP3 (1000 mm dia)           |                         | 45                | 0                  | 0              | 29.56   | 24.30     | RM       | 244.44               | 0.00               | 0.00           | 298.30                    |        | Local           |
| 10    | RCC Pipe NP3 (800 mm dia)            |                         | 45                | 0                  | 0              | 20.04   | 13.41     | RM       | 97.78                | 0.00               | 0.00           | 131.23                    |        | Local           |
| 13    | Jhama metal                          |                         | 7                 |                    | 1              | 210.41  | 210.41    | 1000 No. | 483.00               | 0.00               | 107.80         | 1011.62                   |        | Local           |
| 13    | Brick Bat                            |                         | 7                 |                    | 1              | 210.41  | 210.41    | 1000 No. | 483.00               | 0.00               | 107.80         | 1011.62                   |        | Local           |
| 15    | Stone Boulders                       | 2,017.58                | 20                |                    |                | 109.85  | 66.46     | Cum      | 271.60               | 0.00               | 0.00           | 2465.48                   |        | SHEKHPUR<br>A   |
| 16    | Earth by tractor                     |                         | 8                 |                    | 1              | 182.39  |           | Cum      | 220.80               |                    | 43.12          | 446.31                    | 450.77 | Rampurwa        |
| 16    | Earth by truck                       |                         | 10                |                    | 1              | 66.46   | 41.61     | Cum      | 72.43                |                    | 21.93          | 202.43                    |        | Rampurwa        |

Bettiah Santghat to Pujaha

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