

# Inspection Report For Flood Damage Work

Date :- 25/11/2021

1. Name of PIUs :- *Es. Bisay Kumar*
2. Name of Block/Road :- *Rahni/ 6038 To Beshrak*

## A. For Road

1. Damage Location/Chainage :- *00 to 40 meter*
2. Damage Length :- *32 meter*
3. Nature of Damage :- *Flank*
4. Details of Restoration Works :-
  - i. Material being used in Restoration Works:- *Brick Bat*
  - ii. Equipments/ Tools being used in Restoration Works:- *JCB and Tractor*
  - iii. Procedure taken up in Restoration Works:- *Departmental*
  - iv. Restored Length:- *32 meter*

## B. For Bridge

1. Damage Location/Chainage:-
2. Damage Length:-
3. Nature of Damage:-
4. Details of Restoration Works:-
  - i. Material being used in Restoration Work:-
  - ii. Equipments/ Tools being used in Restoration Works:-
  - iii. Procedure taken up in Restoration Works:-
  - iv. Restored Length:-

*NA*

## C. Requirement Of New CD/Bridge

- i. Name of Road:-
- ii. Location Chainage:-
- iii. Type of CD Work/Length Required

Upload one photograph of damage portion if available

Attach minimum two photograph (during restoration & after restoration) photographs

Should be Geotags and at least one photo be captured in selfie mode *work is satisfactory.*

*8/11/21*  
*25/11/21*  
*8/11/21*  
*25/11/21*  
*25/11/21*  
Signature of JE/AE/EE

*25/11/2021*  
Signature of verifying officer



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Govt. of Bihar

### FDR(Motorable)

Estimate for Motorable of Road from L0-38 to Besmak in Nalanda District.



Name of the Road :-

L0-38 to Besmak

|                            |   |                        |     |
|----------------------------|---|------------------------|-----|
| DISTRICT                   | : | NALANDA                |     |
| DIVISION                   | : | Biharsharif            |     |
| BLOCK                      | : | Rahui                  |     |
| TOTAL COST OF CONSTRUCTION | : | <del>1.010</del> 0.866 | Lac |
| TOTAL COST OF PROJECT      | : | <del>1.010</del> 0.866 | Lac |

SUBMITTED BY  
RURAL WORKS DEPARTMENT  
WORKS DIVISION-BIHARSHARIF

पथ का नाम :-एल038 से बेसमक  
प्राक्कलित राशि :-1.010 लाख  
0.866

### प्रतिवेदन 0.866

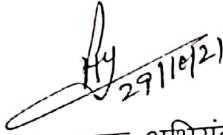
प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 1.010 लाख है ग्रामीण कार्य विभाग, कार्य प्रमंडल, बिहारशरीफ अन्तर्गत रहई प्रखंड में वर्ष-2021 में आयी बाढ़ के कारण क्षतिग्रस्त पथ के मरम्मत हेतु तैयार किया गया है।

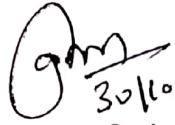
उपर्युक्त पथ का निर्माण मुख्यमंत्री ग्राम सड़क योजनान्तर्गत किया गया है। वर्ष-2021 में पंचाने नदी में आई बाढ़ के कारण पथ के उपर से पानी का वहाव शुरू हो गया एवं पानी वहाव के कारण मिट्टी का कटाव हुआ एवं पथ 32 मीटर लंबाई में कटाव हो गया फलतः आवागमन बाधित हो गया एवं ग्रामीणों का अन्य जगह से संपर्क टुट गया।

विभागीय निर्देशानुसार कटे हुए भाग को ईट के टुकड़ों से भरकर आवागमन को चालू किया गया प्रस्तुत प्राक्कलन में कराए गए कार्य में ब्रिक बैट का उपयोग किया गया। कार्य के उपरान्त स्थल निरीक्षण के क्रम में उच्चाधिकारियों द्वारा जाँच करा लिया गया है। प्राक्कलन में लिया गया दर अंचल कार्यालय द्वारा पत्रांक-458 दिनांक-19.06.2021 द्वारा अनुमोदित दर से लिया गया है। सिर्फ ढुलाई का दर नहीं रहने के कारण इसे वर्तमान अनुसूचित दर पर तैयार किया गया है।

इस योजना की राशि FDR (3054) में भारित होगा। यथाशीघ्र प्राक्कलन की स्वीकृति अपेक्षित है।

  
29/10/21  
कनीय अभियंता,  
कार्य प्रशाखा, रहई

  
29/10/21  
सहायक अभियंता  
कार्य अवर प्रमंडल, रहई

  
30/10/21  
कार्यपालक अभियंता,  
कार्य प्रमंडल, बिहारशरीफ

# SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD: L.O. 3R to Besmak  
DISTRICT: NALANDA  
BLOCK: Rahui  
DIVISION: Biharsarif

| Sl. No. | DESCRIPTION                     | AMOUNT (LAKHS) |
|---------|---------------------------------|----------------|
| 1       | BRICK BATH                      | 865.88         |
| 5       | G.S.B                           | 400998.000     |
|         |                                 | 0.000          |
|         | Total                           | 400998.000     |
|         | TOTAL COST IN LACS =            | 0.866          |
|         | TOTAL COST OF PROJECT IN LACS = | 0.866          |

*[Signature]*  
29/10/21  
JE  
RWD

*[Signature]*  
29/10/21  
AE  
RWD

*[Signature]*  
30/10/21  
EE  
RWD

86588.10

Total = 0.866 Lacs

Sanctioned

Technically approved for Rs. 86,588.00 ..

(Rupees Eighty Six Thousand ..

..... Eight Hundred Only ..)

Condition and direction laid down in attached technical notes with DPR is be followed Strictly

*[Signature]*  
9/12/2021  
S. E.  
RWD

Work Circle Nalanda

*[Signature]*  
06/12/2021



Name of Road L.O-38 to Besmak  
Block Rahur  
District NALANDA

### Calculation of Brick Bats

| SL.No                            | Length (m) | Width(m)               | Thickness (m)             | Qty. (Cum) |
|----------------------------------|------------|------------------------|---------------------------|------------|
| 1                                | 3.00 x     | $\frac{0.6+1.50}{2}$ x | 1.400 =                   | 4.410      |
| 2                                | 29.00 x    | $\frac{0.6+1.60}{2}$ x | $\frac{1.5+1.5+1.3}{3}$ = | 45.723     |
| Net Qty after deduction of voids |            |                        |                           | 50.133     |

BK Singh  
29/10/21  
JB

$\frac{12}{14} \times 50.133$   
AB  
29/10/21

= 42.98 m<sup>3</sup>

# Analysis for Carriage by Road (By Tractor)

Name of Road:-- L0-38 to Besmak  
District:- NALANDA

Block :- Rahui

Block :- Rahui

| Sl No | Item with Source | Unit | Source Up to | Carriage Cost & Lead in Km |   |       |   |         |        |           |      |   |       | Loading & Unloading Cost | Carriage Cost by Rail Head | Total |           |
|-------|------------------|------|--------------|----------------------------|---|-------|---|---------|--------|-----------|------|---|-------|--------------------------|----------------------------|-------|-----------|
|       |                  |      |              | Pukka / Surface            |   |       |   |         | Katcha |           |      |   |       |                          |                            |       |           |
| 1     | Brick bat        | Cum  | Local        | 3.60                       | x | 19.79 | x | 7.00 Km | =      | Rs 221.58 | 3.60 | x | 24.73 | x                        | 1.00 Km                    | =     | Rs 39.56  |
|       |                  |      |              | 2.25                       |   |       |   |         |        | 2.25      |      |   |       |                          |                            |       |           |
|       |                  |      |              |                            |   |       |   |         |        |           |      |   |       |                          |                            |       | Rs 447.91 |
|       |                  |      |              |                            |   |       |   |         |        |           |      |   |       |                          |                            | 0.00  |           |
|       |                  |      |              |                            |   |       |   |         |        |           |      |   |       |                          |                            |       | Rs 447.91 |

*[Signature]*  
29/10/21  
JE  
RWD

Carriage Including GST and Labour Cess  
For Brick Bats

*[Signature]*  
29/10/21  
AE  
RWD

*[Signature]*  
30/10/21  
EE  
RWD  
506.1383

| SDB Sl. No. | MOR D Ref No. | DESCRIPTION                                                                       | Unit | Quantity | Rate   | Amount (In Rs) |
|-------------|---------------|-----------------------------------------------------------------------------------|------|----------|--------|----------------|
| 1.1 RCD     |               | Loading and Unloading of brick bats with tractor                                  |      |          |        |                |
|             |               | Unit: cum                                                                         |      |          |        |                |
|             |               | Taking output= 2.25 cum                                                           |      |          |        |                |
|             |               | Time required for                                                                 |      |          |        |                |
|             |               | i) Positioning of tipper at loading point                                         |      | 1 MIN    |        |                |
|             |               | ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour           |      | 5 Min    |        |                |
|             |               | iii) Maneuvering, reversing, dumping and turning for return                       |      | 0 Min    |        |                |
|             |               | iv) Waiting time, unforeseen contingencies etc                                    |      | 6 Min    |        |                |
|             |               | Total                                                                             |      |          |        |                |
|             |               | a) Labour                                                                         |      |          |        |                |
|             |               | Male                                                                              | day  | 0.03     | 407    | 12,210         |
|             |               | Mazoor for loading and unloading                                                  | day  | 0.12     | 268    | 192,960        |
|             |               | b) Machinery                                                                      |      |          |        |                |
|             |               | Tractor 3.60 tonne capacity                                                       | hour | 0.1      | 630    | 63,000         |
|             |               | Front end loader 1cum bucket capacity @25 cum/hour                                | hour | 0.083    | 1543   | 128,069        |
|             |               | c) Overhead charges @ 0.06 on (a+b)                                               |      |          |        | 23,774         |
|             |               | d) contractor profit @ 0.0 on (a+b+c)                                             |      |          |        | 0,000          |
|             |               | Cost for 2.25 cum= (a+b+c+d)                                                      |      |          |        | 420,013        |
|             |               | Rate per cum= (a+b+c+d)/2.25                                                      |      |          |        | 186,673        |
|             | Note          | Unloading will be done manually                                                   |      |          |        |                |
| 1.4 RCD     |               | Cost of Haulage Excluding Loading and Unloading                                   |      |          |        |                |
|             |               | Haulage of material by Tractor excluding cost of loading, unloading and stacking. |      |          |        |                |
|             |               | Unit= t.km                                                                        |      |          |        |                |
|             |               | Taking output 3.60 tonnes load and lead 10 km= 36.0 t.km                          |      |          |        |                |
|             | i)            | Surface Road                                                                      |      |          |        |                |
|             |               | Speed with load : 15 km/hour                                                      |      |          |        |                |
|             |               | Speed while Returning empty : 25 km/ hour                                         |      |          |        |                |
|             |               | a) Machinery.                                                                     |      |          |        |                |
|             |               | Tractor 3.6 tonne capacity                                                        |      |          |        |                |
|             |               | Time taken for onward haulage with load                                           | hour | 0.667    | 630.00 | 420,210        |
|             |               | Time taken for empty return trip.                                                 | hour | 0.4      | 630.00 | 252,000        |
|             |               | Total                                                                             |      |          |        | 672,210        |
|             |               | b) Add overhead charges @0.06                                                     |      |          |        | 40,333         |
|             |               | c) Add contractor profit @0.0                                                     |      |          |        | 0,000          |
|             |               | Cost for 36 t.km = a+b+c                                                          |      |          |        | 712,543        |
|             |               | Rate per t.km = (a+b+c)/36                                                        |      |          |        | 19,793         |
|             | ii)           | Unsurface Graveled Road/ Katcha                                                   |      |          |        |                |
|             |               | Speed with load : 12 km/ hour                                                     |      |          |        |                |
|             |               | Speed for empty return trip: 20 km/ hour                                          |      |          |        |                |
|             |               | a) Machinery                                                                      |      |          |        |                |
|             |               | Tractor 3.6 tonnes capacity                                                       |      |          |        |                |
|             |               | Time taken for onward haulage with load                                           | hour | 0.833    | 630.00 | 524,790        |
|             |               | Time taken for empty return trip                                                  | hour | 0.5      | 630.00 | 315,000        |
|             |               | Total                                                                             |      |          |        | 839,790        |
|             |               | b) Add overhead charges @0.06                                                     |      |          |        | 50,387         |
|             |               | c) Add contractor profit @0.0                                                     |      |          |        | 0,000          |
|             |               | Cost for 36 t.km = a+b+c                                                          |      |          |        | 890,177        |
|             |               | Rate per t.km = (a+b+c)/36                                                        |      |          |        | 24,727         |