

**GOVERNMENT OF BIHAR**

**UNDER FLOOD DAMAGE REPAIR**

**Estimate for Restoration of Traffic**

**DISTRICT :**

**WEST CHAMPARAN**

**BLOCK :**

**BAIRIYA**

**YEAR(2020-2021)**

**NAME OF ROAD :**

**Islam Chowk to Bathani Road**

**Total Length**

**:**

**0.520**

**KMS**

**Cost of Pavement (Rs.)**

**:**

**759834**

**Total Cost Of Road (Rs.)**

**:**

**759834**

**SUBMITTED BY**

**Executive Engineer RWD**

**Works Division, Bettiah**

**कार्यपालक अभियंता का कार्यालय,  
ग्रामीण कार्य विभाग, कार्य प्रमंडल बगहा -1।**

पत्रांक \_\_\_\_\_ / दिनांक \_\_\_\_\_ ।

सेवा के  
कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा -1

सेवा के  
अधीनस्थ अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा -1

विषय- वर्ष 2020 के बाद में क्षतिग्रस्त पथों को मोटरबुल कराने हेतु किये गये कार्यों की जांच के संबंध में ।

प्रसंग- भवदीय का पत्रांक -1312/ बेतिया दिनांक - 26.08.2020 ।

महत्त्व

उपर्युक्त विषयक प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, बेतिया द्वारा उपलब्ध कठों नए मोटरबुल पथों की सूची में अंकित पथों का निरीक्षण अचोहस्ताक्षरी द्वारा सहायक अभियंता, श्री अजय कुमार एवं सहायक अभियंता, विरलात जायसवाल के साथ किया गया । निरीक्षण के दौरान कार्य प्रमंडल, बेतिया द्वारा प्रतिवेदित सभी पथों पर यातायात चालू है । अग्रेतर कार्रवाई हेतु समर्पित किया जाता है ।

अनु- निरीक्षण किये गये पथों की सूची संलग्न ।

(अजय कुमार)  
सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा -1

(विरलात जायसवाल)  
सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा -1

विश्वासभाजन

हउ

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा-1

पत्रांक 2833 / बगहा-1 दिनांक 28/12/2020

प्रतिनिधि :- कार्यपालक अभियंता ग्रा0 का0 वि0 कार्य प्रमंडल, बेतिया को सूचनाार्थ प्रेषित ।

(28/12/2020)  
कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा -1

## ROAD DETAILS OF FOR 2020

Works Div. Bettiah

| S.N. | Block     | Name of Road                                    | Road Length (KM) | Damage Length (KM) | Estimated Amount<br>Remarks |
|------|-----------|-------------------------------------------------|------------------|--------------------|-----------------------------|
| 1    | Yogapatti | L056-BHAWANIPUR TO RAMNA                        | 3.600            | 0.336              | Motorable                   |
| 2    | Yogapatti | Kawalpur to Dhabelwa Madrasa (L065)             | 4.078            | 0.412              | Motorable                   |
| 3    | Yogapatti | Nawalpur Chowk to Sirahiya                      | 9.500            | 0.734              | Motorable                   |
| 4    | Yogapatti | BETTIAH NAWALPUR - KHARATIA NAWALPUR            | 12.560           | 0.340              | Motorable                   |
| 5    | Yogapatti | BETTIAH NAWALPUR - Kewlapur                     | 4.478            | 0.590              | Motorable                   |
| 6    | Yogapatti | DUMARI - MANDATPUR                              | 5.814            | 0.361              | Motorable                   |
| 7    | Yogapatti | L091-Paltu Sah Ke Bagicha To Lakra (TRACK91)    | 2.755            | 0.305              | Motorable                   |
| 8    | Yogapatti | L023 Dumari to Bakhi                            | 1.200            | 0.225              | Motorable                   |
| 9    | Yogapatti | L024 to Brahman Tolam tola                      | 1.500            | 0.491              | Motorable                   |
| 10   | Yogapatti | PMGSY Fatepur to Chamukha                       | 1.315            | 0.528              | Motorable                   |
| 11   | Yogapatti | L116-Gardardahiya to Hariharpur Tola (TRACK116) | 2.250            | 0.210              | Motorable                   |
| 12   | Yogapatti | Dhadhwa to Mushar toli                          | 3.540            | 0.179              | Motorable                   |
| 13   | Majhulia  | Bin toli to nuniya tola                         | 2.580            | 0.321              | Motorable                   |
| 14   | Majhulia  | Sariswa PWD to Majhi tola                       | 1.430            | 0.179              | Motorable                   |
| 15   | Majhulia  | PMGSY TO Dhankutwa                              | 1.120            | 0.394              | Motorable                   |
| 16   | Majhulia  | Sariswa market to MR Road                       | 1.200            | 0.150              | Motorable                   |
| 17   | Majhulia  | Bakulahat to Bankat                             | 1.815            | 0.135              | Motorable                   |
| 18   | Majhulia  | Harpur to T01 to harpur Chowk                   | 2.840            | 0.163              | Motorable                   |
| 19   | Majhulia  | Sariswa Dhodha to Turha toli                    | 2.080            | 0.126              | Motorable                   |
| 20   | Majhulia  | harpur chowk to harpur primary school           | 2.830            | 0.105              | Motorable                   |
| 21   | Majhulia  | MNP Road Middle school to bada semra writ       | 2.550            | 0.130              | Motorable                   |
| 22   | Majhulia  | Mahanwa to Parsa                                | 10.220           | 0.218              | Motorable                   |
| 23   | Majhulia  | L106 PMGSY to Bin Toli                          | 1.500            | 0.060              | Motorable                   |
| 24   | Majhulia  | Pigra Ganauli to Laigarh Path                   | 6.500            | 0.340              | Motorable                   |
| 25   | Majhulia  | Amwa Majhar to Farwa path                       | 2.000            | 0.135              | Motorable                   |
| 26   | Majhulia  | Bakhariya to karmawa                            | 5.000            | 0.374              | Motorable                   |
| 27   | Majhulia  | Semraghat to Briti tola                         | 1.500            | 0.120              | Motorable                   |
| 28   | Majhulia  | L056-Sekh toli to malah Toli                    | 2.100            | 0.140              | Motorable                   |
| 29   | Majhulia  | Parsa To Dumariya majhulia                      | 3.000            | 0.450              | Motorable                   |
| 30   | Majhulia  | Mahanwa to Rampurwa To bakulia tola             | 4.000            | 0.533              | Motorable                   |
| 31   | Majhulia  | L073-T02 to Gudra                               | 4.550            | 0.281              | Motorable                   |
| 32   | Majhulia  | Baghambar pur to Semra Ghat (2.1 km)            | 2.100            | 0.240              | Motorable                   |
| 33   | Majhulia  | Barwa to Bhogari                                | 4.648            | 0.219              | Motorable                   |
| 34   | Majhulia  | Baghambar pur to Semra Ghat (2.00 km)           | 2.000            | 0.412              | Motorable                   |
| 35   | Majhulia  | L047 to Jagamba tola                            | 1.585            | 0.030              | Motorable                   |
| 36   | Majhulia  | PMGSY to Bairagi Dih                            | 2.125            | 0.188              | Motorable                   |
| 37   | Majhulia  | Man Road to Nayaka tola to mathiya Writ         | 1.650            | 0.128              | Motorable                   |
| 38   | Bettiah   | Bettiah police Line road                        | 0.560            | 0.221              | Motorable                   |

|       |         |                                             |        |       |           |
|-------|---------|---------------------------------------------|--------|-------|-----------|
| 39    | Bettiah | Dairy Farm to Kura Beldari                  | 1.000  | 0.364 | Motorable |
| 40    | Nautan  | Areraj Bettiah Road Nawak tola to Lilapatli | 8.000  | 0.468 | Motorable |
| 41    | Nautan  | KR High School to Sofwa tola                | 1.500  | 0.116 | Motorable |
| 42    | Nautan  | Tarkulwa to Mangalpur                       | 5.680  | 0.100 | Motorable |
| 43    | Nautan  | Jagdishpur to Machhargawan                  | 7.350  | 0.823 | Motorable |
| 44    | Bairia  | Islam chowk to Bathani                      | 2.500  | 0.520 | Motorable |
| 45    | Bairia  | Bettiah Santghat to Pujha                   | 12.200 | 0.022 | Motorable |
| 46    | Bairia  | Sathghat to pakhanaha                       | 11.500 | 0.275 | Motorable |
| 47    | Bairia  | Hat saraiy to Khushi tola                   | 1.600  | 0.401 | Motorable |
| 48    | Bairia  | Bairiya to Harhi Bridge (Tumkaiya Chowk)    | 2.500  | 0.342 | Motorable |
| 49    | Bairia  | Machhargawan to fatu chhapar                | 2.800  | 0.233 | Motorable |
| 50    | Bairia  | T01 to Tadhawa nandpur                      | 3.217  | 0.221 | Motorable |
| 51    | Bairia  | Police chowki to Koerpatti                  | 0.930  | 0.264 | Motorable |
| Total |         |                                             | 187.05 | 14.65 |           |

*[Signature]*  
28/12/2020

*[Signature]*  
28/12/2020  
RWE

*[Signature]*  
28/12/2020

Executive Engineer,  
RWD, Works Div. Bagaha-1



बिहार सरकार  
ग्रामीण कार्य विभाग

पत्रांक - मु0अ0-4 (मु0) विविध (कार्य)-23-40/18 - 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।

सहाय्य,

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 यत्नशील 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 जिसकी 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 प्रावधान में प्रावधानित 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 अधोइंस्टाक्षरी की अनुमति के मुख्यालय नहीं छोड़ेंगे।

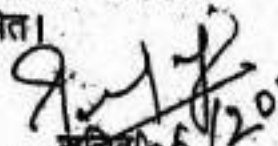
विश्वासभाजन

  
(पंकज कुमार पाल)  
सचिव 30/6/2020

पत्रांक - मु0अ0-4 (मु0) विविध (कार्य) 23-40/18 - 2254

पटना, दिनांक 30/06/2020

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 :- Islam chowk to Bathani road.  
Name of Block :- Bairiya.  
Name of Division :- Bettiah.  
Name of District :- West Champaran.  
Estimated Cost :- 7,59,834=00.  
Restoration Length :- 520.M

This Estimate is prepared for Restoration of .....Islam chowk to Bathani road

.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide,  
ज्ञापक:- मु0अ0 -4 (मु 0) 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 Champaran,  
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 ....Bamboo...kats.....

.....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. 7,59,834=00 please.

Submitted for Technical Approval please.

Engineer,

Assistant Engineer,  
Bairiya

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

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

Name of Road: Islam Chowk to Bathani Road  
District: WEST CHAMPARAN

Block: YOGAPATTI  
Cutting length

Length: 520.000 m  
520.00 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                                                                               |    |            |           |         | 374.86 | cum  | 1703.77        | 638681.69 |
|        |              | Total Road work                                                                                  |    |            |           |         |        |      |                | 638681.69 |
|        |              | Say Rs.                                                                                          |    |            |           |         |        |      |                | 638681.69 |
|        |              | Add GST @12%                                                                                     |    |            |           |         |        |      |                | 76641.80  |
|        |              | Add Labour Cess @1%                                                                              |    |            |           |         |        |      |                | 6386.82   |
|        |              | Add Seignrage Fee@10% of basic material rate                                                     |    |            |           |         |        |      |                | 38123.57  |
|        |              | Total Cost of work                                                                               |    |            |           |         |        |      |                | 759833.88 |
|        |              | Say Total Rs.                                                                                    |    |            |           |         |        |      |                | 759834    |

Post facto

Technically approval for Rs. 7,59,834/- (Rupees Seven Lacs fifty nine thousand - eight hundred thirty four only)

Certified Gps

अधीक्षण अभियन्ता  
प्राचीन कार्य विभाग  
कार्य अंचल बेतिया

AE

28.8.20

अधीक्षण अभियन्ता  
प्राचीन कार्य विभाग  
कार्य अंचल बेतिया

28/8/2023

Ch.  
(x<sup>2</sup>)

| Detailed Measurement Brick Bat |       |      |      |          |
|--------------------------------|-------|------|------|----------|
| No                             | L(m)  | W(m) | D(m) | Qty(cum) |
| 1                              | 28.0  | 2.2  |      |          |
| 2                              | 17.0  | 1.7  | 0.25 | 15.400   |
| 1                              | 26.0  | 1.7  | 0.30 | 17.340   |
| 4                              | 9.0   | 1.8  | 0.20 | 8.840    |
| 2                              | 21.2  | 1.4  | 0.35 | 22.680   |
| 2                              | 12.6  | 1.7  | 0.30 | 17.808   |
| 1                              | 28.0  | 1.6  | 0.25 | 10.710   |
| 2                              | 22.2  | 3.0  | 0.30 | 13.440   |
| 1                              | 46.0  | 2.7  | 0.35 | 46.620   |
| 1                              | 39.0  | 2.6  | 0.25 | 31.050   |
| 1                              | 42    | 2.9  | 0.40 | 40.560   |
| 1                              | 13.2  | 2.8  | 0.25 | 30.450   |
| 1                              | 14.1  | 2.3  | 0.40 | 14.784   |
| 2                              | 13.9  | 2.6  | 0.25 | 8.108    |
| 1                              | 11.6  | 2.7  | 0.30 | 21.684   |
| 4                              | 8.1   | 2.6  | 0.25 | 7.830    |
| 1                              | 12.7  | 2.5  | 0.25 | 21.060   |
| 1                              | 36.7  | 2.4  | 0.45 | 14.288   |
| 1                              | 11.2  | 2.4  | 0.25 | 22.020   |
| 1                              | 11.2  | 2.6  | 0.35 | 10.192   |
| TOTAL                          | 412.5 |      |      | 374.86   |

*Signature*  
JE 15/8/14

*Signature*  
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EE 10.5.20



# SEIGNIORAGE FEE CALCULATION SHEET

Name of Road Islam Chowk to Bathani Road  
District WEST CHAMPARAN  
Block BAIRIYA  
Link No. S-0

| Item description                                     | unit | Quantity<br>of<br>Consumin<br>g Item | Materials<br>Required/<br>Unit | Unit | Quantity/<br>Unit | Total<br>Quantity<br>Required | Rate    | Amount   | Seigniora<br>ge Fee<br>(RS) | Final Amount<br>(RS) |
|------------------------------------------------------|------|--------------------------------------|--------------------------------|------|-------------------|-------------------------------|---------|----------|-----------------------------|----------------------|
| Brick bats                                           | Cum  | 374.86                               | Brick bats                     | Cum  | 1.0               | 374.863                       | 1017.00 | 381235.7 | 38123.57                    | 38123.57             |
| Total Amount of seigniorage fee in construction (Rs) |      |                                      |                                |      |                   |                               |         |          |                             | 38123.57             |

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Q<sub>74</sub>  
10.8.20  
EE

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

Carriage Cost (Surfaced Road):  
Carriage Cost (Un Surfaced Road):  
Carriage Cost (Kacha Road):

With truck  
Rs 6.79 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 21.55 Per Tonne Per Km  
Rs 26.95 Per Tonne Per Km

NAME OF ROAD : Islam Chowk to Bathani Road  
BLOCK : BAIRIYA

DISTRICT WEST CHAMPARAN

| S.NO. | Material                          | Railway Freight (Rs) | Lead Distance(Km) |                 |             | Loading | Unloading | Unit     | Carriage Cost Per Km |                 |             | Total Carriage Cost | SOURCE          |
|-------|-----------------------------------|----------------------|-------------------|-----------------|-------------|---------|-----------|----------|----------------------|-----------------|-------------|---------------------|-----------------|
|       |                                   |                      | Surface Road      | Unsurfaced Road | Kaccha Road |         |           |          | Surface Road         | Unsurfaced Road | Kaccha Road |                     |                 |
| 1     | Aggregate for WBM Gril & Gr       | 1,987.88             | 20                | 0               | 0           | 109.85  | 66.46     | Cum      | 236.69               | 0.00            | 0.00        | 2400.88             | SHEKHPUR A      |
| 2     | Crushed Stone for Concrete work   | 1,833.26             | 20                | 0               | 0           | 109.85  | 66.46     | Cum      | 217.72               | 0.00            | 0.00        | 2227.29             | SHEKHPUR A      |
| 3     | Stone Chips (For PMC & Seal Cost) | 1,833.26             | 20                | 0               | 0           | 109.85  | 66.46     | Cum      | 217.72               | 0.00            | 0.00        | 2227.29             | MIRJA CHOWKI    |
| 4     | Moorum                            | 1,439.39             | 20                | 0               | 0           | 66.46   | 41.61     | Cum      | 181.07               | 0.00            | 0.00        | 1728.53             | SHEKHPUR A      |
| 5     | Cement                            |                      | 20                | 0               | 0           | 163.11  | 163.11    | MT       | 135.80               | 0.00            | 0.00        | 482.02              | Local           |
| 6     | Coarse Sand                       |                      | 147               | 0               | 0           | 66.46   | 41.61     | Cum      | 1600.21              | 0.00            | 0.00        | 1708.28             | KOILWAR         |
| 7     | Fine Sand(Local Sand)             |                      | 2                 | 0               | 1           | 66.46   | 41.61     | Cum      | 21.77                | 0.00            | 26.37       | 156.21              | 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 (600 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        | 2485.49             | SHEKHPUR 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        |

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