

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

पत्रांक...../ बगहा-1, दिनांक .....

प्रेषक,

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

सेवा में,

अधीक्षण अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य अंचल, बेतिया।

**विषय :-** कार्य प्रमंडल बगहा-2 में वर्ष 2021 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल कराने हेतु किये गये कार्यों की जाँच के संबंध में।

**प्रसंग :-** भवदीय पत्रांक 1325/बेतिया, दिनांक 14.11.2021 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार पटना का पत्रांक-मु0अ0-4(मु0) विविध (कार्य)-23-291/2019-4589, दिनांक 13.11.2021

महाशय,

उपर्युक्त विषयक एवं प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, बगहा-2 द्वारा उपलब्ध कराये गये मोटरेबुल पथों की सूची में अंकित पथों का अद्योहस्ताक्षरी द्वारा सहायक अभियंता के साथ निरीक्षण किया गया। निरीक्षण के दौरान कार्य प्रमंडल, बगहा-2 द्वारा प्रतिवेदित सभी पथों पर कार्य कराया गया है, एवं यातायात चालु है।

सादर सूचनार्थ एवं अग्रेत्तर कार्रवाई हेतु समर्पित।

अनु0- निरीक्षण किये गये पथों की सूची।

विश्वासभाजन

सहायक अभियंता  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, बगहा-1

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

ज्ञापांक 3233/बगहा-1, दिनांक 25.11.2021

प्रतिलिपि :- कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, बगहा-2 को सूचनार्थ सम्प्रेषित।

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



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## PLAN HEAD- FDR YEAR 2021-22

DISTRICT :- WEST CHAMPARAN

BLOCK :- Thakrahan

### Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in Thakraha tola To Thakraha High School

LENGTH OF ROAD (in Km)- 1.165 KM

|                  |       |      |
|------------------|-------|------|
| ESTIMATED COST - | 4.081 | Lacs |
|------------------|-------|------|

SUBMITTED BY:  
EXECUTIVE ENGINEER,  
RWD WORKS DIVISION,  
BAGHAHA-2

## TECHNICAL REPORT

Name of Road :- Thakrah to Thakrah High school

Name of Block:- Thakrahan

Name of Division:- Bagaha-2

Name of District:- West Champaran

Estimated Cost:- 4.081 lacs

Restoration Length:- 0.390 km

This Estimate is prepared for Restoration of Thakrah to Thakrah

.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide, ज्ञापांक:- मु0अ0 -4 (मु 0) विविध (कार्य) 23 -60 /2020 -1937 पटना, दिनांक 07.07.2021. Road remains effected from flood 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 earth and Sand bags 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. 4.081 lacs please.

Submitted for Administrative Technical Approval please.

Junior Engineer,  
Thakrahan

Assistant Engineer,  
Thakrahan

Executive Engineer  
R.W.D.(W) Division, Bagaha-2

## GENERAL ABSTRACT OF COST

### ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGED BY FLOOD) FOR MOTORIBILITY IN THAKRAHA TOLA TO THAKRAHA HIGH SCHOOL

DISTRICT - WEST CHAMPARAN

DIVISION - BAGAHA-2

BLOCK - Thakrahan

LENGTH OF ROAD (in Km)- 1.165 KM

| SL.<br>No. | Item of Work                                 | Amount            |
|------------|----------------------------------------------|-------------------|
| 1          | EARTH WORK :                                 | 2.327 Lacs        |
| 2          | BRICK BATS :                                 | 0.000 Lacs        |
| 3          | SAND BAGS :                                  | 1.179 Lacs        |
| 4          | BAMBOOS PILING AND RUNNER :                  | 0.000 Lacs        |
| 5          | HUME PIPE :                                  | 0.000 Lacs        |
|            | <b>COST OF RESTORATION :</b>                 | <b>3.506 Lacs</b> |
|            | ADD SEIGNIORAGE FEE @ 10% OF MATERIAL COST : | 0.119 Lacs        |
|            | ADD LABOUR CESS @ 1% :                       | 0.035 Lacs        |
|            | ADD GST @ 12% :                              | 0.421 Lacs        |
|            | <b>TOTAL COST OF RESTORATION OF ROAD :</b>   | <b>4.081 Lacs</b> |

  
Junior Engineer

  
Asstt. Engineer

  
Executive Engineer

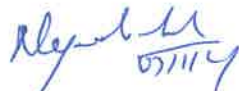
Technically Sanctioned  
#A accorded for Rs 4.081 lacs (Rupees four lacs  
eight thousand & one hundred only)

  
S.E.  
RWD (W) Circle  
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**Name of Work:- Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in Thakraha tola To Thakraha High School**

**Head - FDR**

| S.No.                 | Item No. | Name of Item                                                                                                                                                                                                                                                                                                 | unit | No | Length                 | Width | Height | Qty.     | Rate    | Amount           |
|-----------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|------------------------|-------|--------|----------|---------|------------------|
| 1                     |          | EARTH WORK - Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5 | cum  |    | As Per Appendix I      |       |        | 1732.20  | 134.33  | 232686.43        |
| 2                     |          | Providing and Labour for laying dry graded Brick Bats including light ramming etc. all complete as per approved design, specification and direction of E/I.                                                                                                                                                  | cum  |    | As Per Appendix II     |       |        | 0.000    | 2142.53 | 0.00             |
| 3                     |          | Providing and and Labour for consolidation in Jhama metal by Road Roller in proper grade camber and super elevation dry and wet rolling including cost of running charge of roller diver and khalasi making and maintaining diversion light barrier - do - do- danger signal etc. all complete .             | cum  |    | As per Mesurment Sheet |       |        | 0.000    | 1790.14 | 0.00             |
| 4                     |          | Providing, Filling Sand Bag, Stitching and Placing etc. all complete as per specification and direction of E/I.                                                                                                                                                                                              | Nos. |    | As per Mesurment Sheet |       |        | 5995.000 | 19.67   | 117921.65        |
| 5                     |          | Providing and Labour for cutting 62 mm to 75 dia Bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I.                                                                                                                                              | RM   |    | As per Mesurment Sheet |       |        | 0.000    | 47.61   | 0.00             |
| 6                     |          | Providing and Labour for fitting & fixing 62 mm to 75 dia Bamboo runners in position at every virtical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails etc. complete job as per specification and direction of E/I.                                                     | RM   |    | As per Mesurment Sheet |       |        | 0.000    | 26.85   | 0.00             |
| 7                     |          | Providing and laying 1000 mm dia reinforced cement concrete pipe NP3 for culvert on first class bedding of granular material in single row excluding excavation, protection works, backfilling, concrete and masonry.                                                                                        | RM   |    | 0 Nos*2.5m             |       |        | 0.000    | 6478.89 | 0.00             |
| 8                     |          | Providing and laying 600 mm dia reinforced cement concrete pipe NP3 for culvert on first class bedding of granular material in single row excluding excavation, protection works, backfilling, concrete and masonry.                                                                                         | RM   |    | 0 Nos*2.5m             |       |        | 0.000    | 2702.48 | 0.00             |
| <b>TOTAL (in Re.)</b> |          |                                                                                                                                                                                                                                                                                                              |      |    |                        |       |        |          |         | <b>350608.08</b> |

  
**Junior Engineer,**  
**Rural Works Department,**  
**Works Section, Thakrahan**

  
**Assistant Engineer,**  
**Rural Works Department,**  
**Works Sub Division, Thakrahan**

  
**Executive Engineer,**  
**Rural Works Department,**  
**Works Division, BAGAHA-2**

# SEIGNIORAGE FEE CALCULATION SHEET

| Item description                                     | unit    | Quantity of Consuming Item | Materials Required/ Unit | Unit | Quantity/ Unit | Total Quantity Required | Rate    | Amount   | Seigniorage Fee (RS) | Final Amount (RS) |
|------------------------------------------------------|---------|----------------------------|--------------------------|------|----------------|-------------------------|---------|----------|----------------------|-------------------|
| Earth Work                                           | Cum     | 1732.20                    | Earth                    | Cum  | 1.0            | 1732.20                 | 34.82   | 60315.20 | 6031.52              | 6031.52           |
| Brick bats                                           | Cum     | 0.00                       | Brick bats               | Cum  | 1.0            | 0.00                    | 1549.51 | 0.00     | 0.00                 | 0.00              |
| Sand Bags                                            | per bag | 5995.00                    | sand                     | Cum  | 0.034          | 203.83                  | 286.55  | 58407.49 | 5840.75              | 5840.75           |
| Total Amount of seigniorage fee in construction (Rs) |         |                            |                          |      |                |                         |         |          |                      | 11872.27          |

By *[Signature]*  
07/10/17

for *[Signature]*  
07.11.17

for *[Signature]*  
07.11.17

Name of Work:-

Estimate for Repair of Road breaches (Damaged by Flood) for Motorability  
in Thakraha tola To Thakraha High School

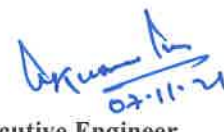
Appendix - I

Measurement for surfacing the Breach with EARTH WORK

| Sl. No.                                                 | Chainage | Nos | Length (M) | Width (M) | Thickness (M) | Quantity (cum) |
|---------------------------------------------------------|----------|-----|------------|-----------|---------------|----------------|
| 1                                                       | 1st km   | 4   | 30.00      | 3.00 Av.  | 2.00 Av.      | 720.00         |
| 2                                                       |          | 3   | 30.00      | 2.00 Av.  | 1.50 Av.      | 270.00         |
| 3                                                       |          | 4   | 30.00      | 3.50 Av.  | 1.50 Av.      | 630.00         |
| 4                                                       |          | 2   | 30.00      | 1.10 Av.  | 1.70 Av.      | 112.20         |
| 5                                                       |          |     |            |           |               |                |
| 6                                                       |          |     |            |           |               |                |
| 7                                                       |          |     |            |           |               |                |
| 8                                                       |          |     |            |           |               |                |
| 9                                                       |          |     |            |           |               |                |
| 10                                                      |          |     |            |           |               |                |
| 11                                                      |          |     |            |           |               |                |
| 12                                                      |          |     |            |           |               |                |
| 13                                                      |          |     |            |           |               |                |
| 14                                                      |          |     |            |           |               |                |
| 15                                                      |          |     |            |           |               |                |
| Total                                                   |          |     |            |           |               | 1732.20        |
| Deduction for 0Nos old 1000 mm HP at 0 m (3.142*0.36*0) |          |     |            |           |               | 0.00           |
| Deduction for 0Nos old 600 mm HP at 0 m (3.142*0.22*0)  |          |     |            |           |               | 0.00           |
| Net Quantity of Earth Work -                            |          |     |            |           |               | 1732.20        |

  
Junior Engineer

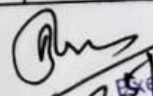
  
Asistant Engineer

  
Executive Engineer



**Road Detail of FDR 2021**  
**Rural Works Division, Bagaha-2**

| Sl. No.            | Block     | Road/Bridge Name                                                                                                                                         | Road Length (In Km) | Damage Part Length During Flood | Estimated Amount (In Lac) |
|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------|---------------------------|
| 1                  | Bhitaha   | Nawgawa Bridge - PP Tatbandh                                                                                                                             | 6.000               | 0.050                           | 4.99200                   |
| 2                  | Bhitaha   | MASZIDYATOLA - DIHIPAKARI                                                                                                                                | 3.992               | 0.040                           | 5.17800                   |
| 3                  | Bhitaha   | L029-Khairatola to santpatti (VR13)                                                                                                                      | 2.183               | 0.040                           | 6.88000                   |
| 4                  | Bhitaha   | Rehda Bazar to Chilvaniya                                                                                                                                | 1.870               | 0.050                           | 1.84100                   |
| 5                  | Bhitaha   | Pmgsy ROAD to Baluhi Ansari Tola                                                                                                                         | 1.955               | 0.045                           | 3.17700                   |
| 6                  | Bhitaha   | Pmgsy ROAD to Rupahi Sc Tola                                                                                                                             | 1.975               | 0.080                           | 14.04200                  |
| 7                  | Bhitaha   | Muradih P. P. Tatbandh Road to Ghusrri Tola                                                                                                              | 0.280               | 0.035                           | 4.00200                   |
| 8                  | Bhitaha   | Muradih Tatbandh Road to Rehri Nawka Tola                                                                                                                | 1.180               | 0.065                           | 12.31600                  |
| 9                  | Bhitaha   | Karaihiya Basauli East tola to Karaihiya Basauli Bichla tola                                                                                             | 0.700               | 0.110                           | 14.13100                  |
| 10                 | Madhubani | L044-Daunaha to murgahwa (VR29)                                                                                                                          | 3.700               | 0.062                           | 2.75700                   |
| 11                 | Madhubani | L050-Barwa to Barwa Kharsal                                                                                                                              | 1.450               | 0.075                           | 3.89500                   |
| 12                 | Madhubani | L066-Dahwa Madhubani PWD Road to Sohagi Barwa Mallah toli                                                                                                | 5.973               | 0.110                           | 0.99100                   |
| 13                 | Madhubani | Madhua PMGSY Road to Nuniyapatti Barki Tola                                                                                                              | 1.210               | 0.035                           | 1.59900                   |
| 14                 | Madhubani | Mauvgaha PMGSY Road to Ghevarahiya Anusuchit Tola                                                                                                        | 0.965               | 0.048                           | 2.95900                   |
| 15                 | Madhubani | Tamkuha Brahmsthan to Tamkuha Dubey Tola                                                                                                                 | 0.400               | 0.025                           | 1.00200                   |
| 16                 | Madhubani | Madhubani To Jolha Toli                                                                                                                                  | 0.690               | 0.040                           | 7.82600                   |
| 17                 | Madhubani | NONIYATOLA - NAWAKATOLA                                                                                                                                  | 4.760               | 0.050                           | 0.23900                   |
| 18                 | Piprasi   | L022-Dahawa Madhubani P W D Road to bhagarawa (VR4)                                                                                                      | 1.625               | 0.040                           | 3.17000                   |
| 19                 | Piprasi   | P.W.D Road to Bhaguva                                                                                                                                    | 2.365               | 0.035                           | 6.43300                   |
| 20                 | Piprasi   | Lachhnahi South tola to Bisphatva tola                                                                                                                   | 1.850               | 0.118                           | 1.51100                   |
| 21                 | Piprasi   | Pipariya to Majhariya Khas                                                                                                                               | 1.665               | 0.060                           | 0.29100                   |
| 22                 | Thakrahan | BELWARIPATTI - SISWANIA THAKARAHA ROAD                                                                                                                   | 4.669               | 0.075                           | 3.38900                   |
| 23                 | Thakrahan | Thakraha Tola to Thakraha High School                                                                                                                    | 1.165               | 0.085                           | 4.08100                   |
| 24                 | Thakrahan | PMGSY Road to Gadiyani Tola                                                                                                                              | 0.730               | 0.055                           | 1.07600                   |
| 25                 | Thakrahan | L030-Harpur Tola to Puraina (VR10)                                                                                                                       | 9.551               | 0.100                           | 21.02600                  |
| 26                 | Thakrahan | Nirmal Chaudhari Tola to Tar Tola                                                                                                                        | 1.765               | 0.100                           | 6.02800                   |
| 27                 | Thakrahan | Nagina Yadav Tola to Khenar Tola                                                                                                                         | 1.985               | 0.110                           | 5.16000                   |
| 28                 | Thakrahan | PWD Road to Motipur West Tola                                                                                                                            | 1.870               | 0.215                           | 15.09200                  |
| 29                 | Thakrahan | Dom Tola to Thakraha Bajari tola                                                                                                                         | 0.660               | 0.100                           | 2.00300                   |
| 30                 | Thakrahan | THAKARAHA - NAWAKA TOLA                                                                                                                                  | 2.334               | 0.050                           | 5.08800                   |
| 31                 | Thakrahan | Panchayat government bhavan to Shera tola                                                                                                                | 2.700               | 0.150                           | 6.50200                   |
| <b>Total</b>       |           |                                                                                                                                                          | <b>68.217</b>       | <b>2.253</b>                    | <b>168.67700</b>          |
| 32                 | Bhitaha   | Betia jila antargat bhitaha prakhand ke rehara gram me khap tola jamunia ke bich tin feriya bhapsa ke najdik nala par uch astariye (3x18.75) pul nirman. |                     | 0.150                           | 5.12000                   |
| <b>Grand Total</b> |           |                                                                                                                                                          | <b>68.217</b>       | <b>2.403</b>                    | <b>173.79700</b>          |

  
 25/11/21  
 Executive Engineer  
 R.W.D. (W) Division  
 Bagaha-1