

अधीक्षण अभियन्ता का कार्यालय  
ग्रामीण कार्य विभाग, कार्य अंचल, मुजफ्फरपुर

पत्रांक 1741

मुजफ्फरपुर, दिनांक 31-12-2020

प्रेषक,

अधीक्षण अभियन्ता,  
ग्रामीण कार्य विभाग,  
कार्य अंचल, मुजफ्फरपुर।

सेवा में,

कार्यपालक अभियन्ता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, महुआ।

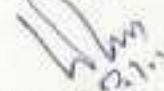
विषय :- नई अनुरक्षण नीति 2018 (FDR) अंतर्गत योजना का तकनीकी अनुमोदन के संबंध में।

प्रसंग :- आपका पत्रांक 3093 महुआ/दिनांक 30.12.2020

महोदय,

उपर्युक्त विषय नई अनुरक्षण नीति 2018 (FDR) अंतर्गत Jedhan Chhowk to Parmanandpur Lal, तक पथ में आवे सड़ से क्षतिग्रस्त भाग में Motrable किया गया जिसका प्रावकलन तैयार कर तकनीकी अनुमोदनोपपन्न होटाया जा रहा है।  
अनु०-यथोक्त।

विराटभाजन



अधीक्षण अभियन्ता,  
ग्रामीण कार्य विभाग,  
कार्य अंचल, मुजफ्फरपुर।



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## DETAILED PROJECT REPORT FOR FDR ROAD

# बिहार



### FDR

DISTRICT : VAISHALI BLOCK : MAHUA

ROAD NAME : JODHAN CHOWK TO PARMANANDPUR LAL

PART-A TOTAL COST OF INTIAL  
RECTIFICATION IN SURFACE  
RENEUAL(ADD GST+LC)

:

7.775 LAKH

### PREPARED BY

**NAMO NARAYAN CONSULTANTS PVT. LTD.**

Architects , Engineers , Planners , Designers

Shivpuri , Patna , (Bihar) , Pin- 800023

Mobile No :- +918102676495

Email : [namonarayanconsultantspvtltd.com](mailto:namonarayanconsultantspvtltd.com)

## Inspection Report for Flood Damage Work

Date: .....

1. Name of PIUs - Er Sanjeev Kumar, E.E.

2. Name of Block - Mahua

3. Name of Road/Bridge - Judhan Chok To Parmanandpur Lal

A. for Road

1. Damage Location/Chainage : CH 2110 M

2. Damage Length : 36m

3. Nature of Damage : Flood in Bagn River

4. Details of Restoration Works :

i. Material being used in Restoration works : Shama

ii. Equipments/Tools being used in Restoration Works : JCB, TRACTOR, ROLLER

iii. Procedure taken up in Restoration works :

iv. Restored Length : 36m

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 works :

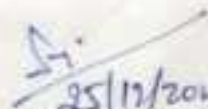
ii. Equipments/Tools being used in Restoration Works :

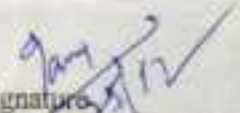
iii. Procedure taken up in Restoration works :

iv. Restored Length :

  
J.E. 25/12/2020

A.E. 25/12/2020

  
25/12/2020  
Executive Engineer,  
R.W.D. Works Division,

  
Signature  
(Name of Inspector)

**कार्यपालक अभियंता का कार्यालय**  
**ग्रामीण कार्य विभाग, कार्य प्रमंडल, महुआ**

पत्रांक :- 2452

/महुआ

दिनांक :- 14/10/2020

सेवा में,  
नोडल पदाधिकारी,  
MIS  
ग्रामीण कार्य विभाग, बिहार पटना।

विषय: Flood/Rain Damaged Road/Bridge Entry Module के MIS में पथ का नाम जोड़ने के संबंध में।

महोदय,

उपरोक्त विषयक के संबंध में कहना है कि MR New Maintenance Policy-18 योजना अंतर्गत के पथों में बाइज आने से क्षतिग्रस्त हुए हैं जिसकी प्रविष्टि Flood/Rain Damaged Road/Bridge Entry Module में करनी है परन्तु निम्नलिखित पथ का नाम इस Module के Drop Down List में नहीं आ रही है जिसे चिह्नित कर आपकी सेवा जा रही।

अतः निम्नलिखित पथों का नाम Flood/Rain Damaged Road/Bridge Entry Module में जोड़ने का कष्ट करेंगे ताकि इसकी प्रविष्टि MIS में की जा सके।

| क्र.सं. | योजना शीर्ष                  | पथ का नाम                                                | ग्राम का नाम | प्रोजेक्ट आई.डी.नं. |
|---------|------------------------------|----------------------------------------------------------|--------------|---------------------|
| 1       | MR New Maintenance Policy-18 | Maksulpur Jogi baba sthan-Narsingpur path via nilkantpur | Mahua        | 31507502033         |
| 2       | MR New Maintenance Policy-18 | Jodhan chowk-Parmanadpur-Ial                             | Mahua        | 31507502057         |

सुधनाथ एवं आवश्यक कार्रवाई हेतु प्रेषित।

विश्वासभाजन,

14-10-20

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, महुआ।

GENERAL ABSTRACT OF COST FOR FDR ROAD

PACKAGE NO.

PMGSY

DATE OF COMPLETION

0

NAME OF ROAD :

JODHAN CHOWK TO PARMANANDPUR LAL

DISTRICT

VAISHALI

BLOCK

MAHUA

DIVISION

MAHUA

| Sl. No. | DESCRIPTION                                              | AMOUNT<br>(LAKHS) |
|---------|----------------------------------------------------------|-------------------|
| PART-A  | INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL          |                   |
| 2       | BRICK BADS FILLING                                       | 5.680             |
| 3       | GSB GR-II                                                | 0.604             |
| 5       | WBM GRADE III                                            | 0.418             |
|         | PARAPET                                                  | 0.179             |
| 1       | TOTAL COST OF CONSTRUCTION (IN LACS) =                   | 6.881             |
| i)      | GST @ 12 % (IN LACS) =                                   | 0.826             |
| ii)     | LABOUR CESS @ 1 % (IN LACS) =                            | 0.069             |
| A       | L COST OF CONSTRUCTION (WITH 12% GST + 1% LC) (IN LACS)= | 7.775             |

*[Signature]*  
JE  
RWD

*[Signature]*  
AE  
RWD

*[Signature]*  
EL  
RWD

*IA* Approved for Rs-7.775 Lakh (Rupees Seven Lakh Seventy Seven thousand five hundred only)  
*11/5*

*Technically Sanctioned for Rs-7.775 SE. RWD*  
*(Rupees seven lac seventy seven thousand five hundred) only*  
*11/12/20*  
*12*

| Sl. No.                 | S.O.B. | M.O.R.D. | Description        | Unit | Qty | Length | Width | Height | Quantity | Rate     | Amount -<br>(in Rs.) |
|-------------------------|--------|----------|--------------------|------|-----|--------|-------|--------|----------|----------|----------------------|
| 2                       | 3.14   | 303.1    | BRICK BADS FILLING | Cum  | 1   | 12.20  | 4.573 | 0.914  | 50.97    |          |                      |
|                         |        |          |                    | Cum  | 4   | 5.48   | 4.113 | 1.981  | 170.62   |          |                      |
|                         |        |          |                    | Cum  | 1   | 13.79  | 4.573 | 0.914  | 57.84    |          |                      |
|                         |        |          |                    | Cum  | 1   | 5.18   | 3.658 | 0.609  | 31.54    |          |                      |
|                         |        |          |                    |      |     |        |       |        | 290.77   | 1,901.13 | 5,60,001.00          |
| A) SUB TOTAL OF CRUST = |        |          |                    |      |     |        |       |        |          |          | 5,60,001.00          |

[illegible]

JE  
HWD

2/1/20  
AT  
BYD

$$\frac{1}{2} \frac{2\pi}{\text{BWD}}$$

**Quantities & Cost Estimate for Construction of Parapet Wall (0.4 m Width x 0.6 m height)**

| Sl No                          | Item    | Item of work involved                                                                                                                                                                                                                                    | Unit         | Total Qty | Rate (₹) | Amount (₹) |
|--------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|----------|------------|
| 1                              | 1.1.1   | Brick Masonry in C.M (1:3) in parapet<br>Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1700.1                                                    |              |           |          |            |
|                                |         | $2 \times 4.15 \times 0.40 \times 0.60 =$                                                                                                                                                                                                                |              | 1.97      |          |            |
|                                |         | Total Qty =                                                                                                                                                                                                                                              | = 1.97 cum   | 1.97      | 5,734.63 | 11,297.00  |
| 2                              | 2.1 (i) | Plastering with cement mortar (1:4)<br>Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications                                                                                                                |              |           |          |            |
|                                |         | Side Face $4.00 \times 4.15 \times 0.60 =$                                                                                                                                                                                                               |              | 9.960     |          |            |
|                                |         | Top $2.00 \times 4.15 \times 0.40 =$                                                                                                                                                                                                                     |              | 3.280     |          |            |
|                                |         | Front Face $4.00 \times 0.40 \times 0.60 =$                                                                                                                                                                                                              |              | 0.960     |          |            |
|                                |         | Total Qty =                                                                                                                                                                                                                                              | = 14.200 sqm | 14.20     | 172.09   | 2,442.00   |
| 3                              | 1.2.1   | Painting Two Coats on New Concrete Surfaces<br>Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701 |              |           |          |            |
|                                |         | Side Face $4.00 \times 4.00 \times 0.60 =$                                                                                                                                                                                                               |              | 9.600     |          |            |
|                                |         | Top $2.00 \times 4.00 \times 4.15 =$                                                                                                                                                                                                                     |              | 33.170    |          |            |
|                                |         | Front Face $4.00 \times 0.40 \times 0.60 =$                                                                                                                                                                                                              |              | 0.960     |          |            |
|                                |         | Total Qty =                                                                                                                                                                                                                                              | = 43.730 sqm | 43.73     | 95.63    | 4,182.00   |
| Total Amount for One Culvert = |         |                                                                                                                                                                                                                                                          |              |           |          | 17,921.00  |
| Cost of 1 No CULVERT Parapet = |         |                                                                                                                                                                                                                                                          |              |           |          | 17,921.00  |

29/11/20

29/11/20

29/11/20

# Comparison Of Carriage Cost Of Material Via Rail & Road From Different Sources

Name Of Road:- Jodhan Chowk TO parmanandpur Lal

Block :- MAHUA

District:- VAISHALI

LENGTH OF ROAD :- 0.000 Km

| Sr No | Item                   | Unit     | Source  | Packs / Surface | Carriage Cost & Lead in Km | Kachha        | Loading & Unloading Cost | Carriage By Road | Carriage By Rail | Total         | Lowest Rate   |
|-------|------------------------|----------|---------|-----------------|----------------------------|---------------|--------------------------|------------------|------------------|---------------|---------------|
| 1.0   | Brick                  | 1000 Nos | Local   | 8.00<br>2.00    | 8.00<br>2.00               | 8.00<br>2.00  | 8.00<br>2.00             | 8.00<br>2.00     | 8.00<br>2.00     | 8.00<br>2.00  | 8.00<br>2.00  |
| 1.1   | Cement                 | MT       | Hajipur | 8.00<br>8.00    | 8.00<br>8.00               | 8.00<br>8.00  | 8.00<br>8.00             | 8.00<br>8.00     | 8.00<br>8.00     | 8.00<br>8.00  | 8.00<br>8.00  |
| 1.2   | Steel                  | MT       | Hajipur | 8.00<br>8.00    | 8.00<br>8.00               | 8.00<br>8.00  | 8.00<br>8.00             | 8.00<br>8.00     | 8.00<br>8.00     | 8.00<br>8.00  | 8.00<br>8.00  |
| 1.3   | Header Pipe (1000 mm ) | M        | Hajipur | 8.00<br>10.00   | 8.00<br>10.00              | 8.00<br>10.00 | 8.00<br>10.00            | 8.00<br>10.00    | 8.00<br>10.00    | 8.00<br>10.00 | 8.00<br>10.00 |
| 1.4   | Header Pipe (600 mm )  | M        | Hajipur | 8.00<br>25.00   | 8.00<br>25.00              | 8.00<br>25.00 | 8.00<br>25.00            | 8.00<br>25.00    | 8.00<br>25.00    | 8.00<br>25.00 | 8.00<br>25.00 |

\* Subjected to Verification of Lead

Cost Of Material Excluding Loading & Unloading As Per SOR

| Type of Road        | Per Ton. Km By Tipper | Per Ton. Km By Truck |
|---------------------|-----------------------|----------------------|
| For Surface Road    | 18.00                 | 7.52                 |
| For Un Surface Road | 10.10                 | 9.04                 |
| For Kachha Road     | 20.30                 | 18.10                |

*[Signature]*  
Junior Engineer  
R.W.D. Works Section

Asstt. Engineer  
R.W.D. Works Sub - Division

*[Signature]*  
Executive Engineer  
R.W.D. Works Division

**BRICK BATS PITCHING MANUAL MEANS**

|                       |                                                                                                                                                                                                                          |      |      |         |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---------|
| 6.6.1<br>WRD<br>Bihar | Labour for laying dry graded Jhama Khoa or stone filter under Brick Pitching or Boulder Pitching in slope or apron including light ramming etc. all complete as per approved design, specification and direction of E/L. |      |      |         |
|                       | Unit :- Per Cum                                                                                                                                                                                                          |      |      |         |
|                       | Taking Output = 2.832 Cum                                                                                                                                                                                                |      |      |         |
|                       | Unskilled Mazdoor                                                                                                                                                                                                        | Nos. | 3    | 287.00  |
|                       | Add 6% Overhead Charges                                                                                                                                                                                                  |      |      | 51.66   |
|                       | Rate for 2.832 Cum                                                                                                                                                                                                       |      |      | 917.66  |
|                       | Rate per Cum (Rs.) -                                                                                                                                                                                                     |      |      | 383.15  |
| 1.4 RCD               | <b>Cost of Haulage excluding Loading &amp; Unloading</b>                                                                                                                                                                 |      |      |         |
|                       | Haulage of materials by tipper excluding cost of loading, unloading and stacking.                                                                                                                                        |      |      |         |
|                       | Unit - t.km                                                                                                                                                                                                              |      |      |         |
|                       | Taking output 10 t load and lead 10 km = 100 t.km                                                                                                                                                                        |      |      |         |
|                       | <b>Case-I : Surfaced Road</b>                                                                                                                                                                                            |      |      |         |
|                       | Speed with load: 25 km per hour                                                                                                                                                                                          |      |      |         |
|                       | Speed while returning empty: 35 km per hour                                                                                                                                                                              |      |      |         |
|                       | a) Machinery.                                                                                                                                                                                                            |      |      |         |
|                       | Tipper 10 t capacity                                                                                                                                                                                                     |      |      |         |
|                       | Haulage with load                                                                                                                                                                                                        | hour | 0.40 | 1043.00 |
|                       | Empty return trip                                                                                                                                                                                                        | hour | 0.29 | 1043.00 |
|                       | b) Overhead charges @ 0.06 on (a)                                                                                                                                                                                        |      |      | 43.18   |
|                       | Cost for 100 t.km = a+b+c                                                                                                                                                                                                |      |      | 762.85  |
|                       | Rate per t.km = (a+b+c)/100                                                                                                                                                                                              |      |      | 7.60    |
|                       | Say Rs. -                                                                                                                                                                                                                |      |      | 7.60    |
|                       | <b>Case-II: Unsurfaced Gravel Road</b>                                                                                                                                                                                   |      |      |         |
|                       | Speed with load: 20 km/hour                                                                                                                                                                                              |      |      |         |
|                       | Speed for empty return trip: 30 km/hour                                                                                                                                                                                  |      |      |         |
|                       | a) Machinery                                                                                                                                                                                                             |      |      |         |
|                       | Tipper 10 t capacity                                                                                                                                                                                                     |      |      |         |
|                       | Haulage with load                                                                                                                                                                                                        | hour | 0.50 | 1043.00 |
|                       | Empty return trip                                                                                                                                                                                                        | hour | 0.33 | 1043.00 |
|                       | b) Overhead charges @ 0.06 on (a)                                                                                                                                                                                        |      |      | 51.94   |
|                       | Cost for 100 t.km = a+b                                                                                                                                                                                                  |      |      | 917.63  |
|                       | Rate per t.km = (a+b)/100                                                                                                                                                                                                |      |      | 9.18    |
|                       | Say Rs. -                                                                                                                                                                                                                |      |      | 9.18    |

**BRICK BATS PITCHING MANUAL MEANS**

|         |                                                                                                                                                              |         |      |         |         |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|---------|---------|
| 1.1 RCD | Loading and Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Mechanical Means |         |      |         |         |
|         | Rate per cum = (a+b+c)/5.5                                                                                                                                   |         |      |         | 83.64   |
| Note:-  | Unloading will be done manually.                                                                                                                             |         |      |         |         |
| 1.      | Supplying for Brick Bats (with OH )                                                                                                                          |         |      |         |         |
| A.      | Basic Rate of Brick Bats                                                                                                                                     | Per Cum |      | 1259.00 | 1259.00 |
|         | Add overhed Charges                                                                                                                                          |         | 6%   |         | 75.54   |
|         | Total -                                                                                                                                                      |         |      |         | 1334.54 |
|         | Surface Lead                                                                                                                                                 | KM      | 7    |         |         |
|         | Unsurface Lead                                                                                                                                               | KM      | 1    |         |         |
|         | Factor (3.6/2.25)                                                                                                                                            | Cum     | 1.60 |         |         |
| B.      | Carriage (with OH )                                                                                                                                          |         |      |         |         |
|         | (1.6 x 7 x 7.6) + (1.6 x 1 x 9.176314) + 83.64                                                                                                               |         |      |         | 183.44  |
| C.      | Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)                                                                                 |         |      |         | 383.15  |
|         | Total (A+B+C) -                                                                                                                                              |         |      |         | 1901.13 |
|         | Total Cost per Cum                                                                                                                                           |         |      | Rs.-    | 1901.13 |