



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.

YEAR (2021-22)

STATE  
DISTRICT  
BLOCK  
DIVISION

BIHAR  
MADHEPURA  
MURLIGANJ  
MADHEPURA

**DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF  
ROAD FROM POKHRAM ME DULARCHAND VISHWAS KE  
GHAR SE BAJRANGWALI ASTHAN TAK**

|                               |    |              |
|-------------------------------|----|--------------|
| Actual Length of Road         | =  | 1.541 Km     |
| Flood affected Length of Road | =  | 0.798 Km     |
| TOTAL COST OF PAVEMENT        | Rs | 20,64,189.22 |
| TOTAL PROJECT COST            | Rs | 20,64,189.22 |

Submitted By:  
Executive Engineer  
RWD (W) Division, Madhepura

Prepared By:  
Executive Engineer  
RWD (W) Division, Madhepura

—तकनीकी प्रतिवेदन:—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:— 3054 एफ.डी.आर.

पथ का नाम: **Pokharam dularchand Viswas ke Ghar se bagrangwali sthan tak**


पथ की लम्बाई:—1.540 कि.मी.


निर्मित/निर्माणाधीन पथ का शीर्ष:—.....


प्राक्कलित राशि:— रू0 20.640 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण **Pokharam dularchand Viswas ke Ghar se bagrangwali sthan tak** पथ में हुए क्षति यथा कटाव/धसान/जलजमाव की आकस्मिक मरम्मत एवं यातायात पूनर्बहाल करने हेतु शीर्ष 3054 एफ.डी.आर. मद से सचिव, ग्रामीण कार्य विभाग/उच्चाधिकारियों के द्वारा दिये गये निर्देश के अनुपालन में तैयार किया गया है।

प्राक्कलन अन्तर्गत पथ में हुए क्षति की विस्तृत मापी दर्शायी गई है एवं प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है।

  
कनीय अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रशाखा, मुरलीगंज

  
सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अवर प्रमण्डल मुरलीगंज

  
कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमण्डल, मधेपुरा।



## Inspection Report for Flood Damage work

Date:-

1 Name of PIUS :-

Madharyra

2 Name of Block :-

Murhigans

3 Name of Road :-

Pokhran Me Dularchand viwas ke char se Barongwuli shan  
Luh

### A. For Road

1 Damage Location/Chainage :-

0+262, 26 to 1025, 1025 to 1140, 1140 to 1290, 1290 to 1350, 1350 to 1470,  
1470 to 1545

2 Damage Length :-

0.298 km

3 Nature of damage :-

4 Details of Restoration Works :-

i Material being used in Restoration works:-

Bricks bats, local sand

ii Equipments/Tools being used in Restoration works :-

iii Procedure taken up in Restoration works :-

iv Restored Length :-

### 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 :-

A. K. Singh  
04/11/21  
JE

B. Singh  
04/11/21  
AE

J. Singh  
11/11  
EE

Signature  
(Name of inspector)



## SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF  
ROAD FROM POKHRAM ME DULARCHAND VISHWAS KE  
GHAR SE BAJRANGWALI ASTHAN TAK

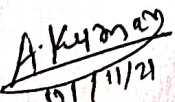
DIVISION :- MADHEPURA


BLOCK :- MURLIGANJ


Actual Length of Road :- 1.541 Km

Flood Affected Length of Road :- 0.798 Km

| Sr. No.                                       | Description                 | Amount (In Rs.) |
|---|-----------------------------|-----------------|
| 1   | Total Cost of Restoration=  | 17,46,222.45    |
| 2   | Add:-Labour Cess @1% amt. = | 17,462.22       |
| 3   | Add:GST@12% on amt. =       | 2,09,546.69     |
| 4   | Add:S.F.@ 10% on Material = | 90,957.84       |
| TOTAL RESTORATION COST OF THE PROJECT IN LACS |                             | 20,64,189.22    |

  
Junior Engineer  
RWD (W) Division, Madhepura

  
Assistant Engineer  
RWD (W) Division, Madhepura

  
Executive Engineer  
RWD (W) Division, Madhepura



## Details of Measurement

| कार्य का ब्योरा<br>Deatail of Workl |  | संख्या<br>No.  | Measurement     |                 |       | मात्रा<br>Quantity |
|-------------------------------------|--|--|-----------------|-----------------|-------|--------------------|
|                                     |  |  | लम्बाई<br>in m. | चोड़ाई<br>In m. | In m. |                    |
| NAME OF ROAD :-                     |  | DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM<br>POKHRAM ME DULARCHAND VISHWAS KE GHAR SE BAJRANGWALI<br>ASTHAN TAK |                 |                 |       |                    |
| Item No. 1                          | Sand filling in Foundation Trenches as per Drawing & Technical Specification   |  |                 |                 |       |                    |
| Ch:-in                              |  | 26   | 30              | 2.7             | 0.075 | 157.950            |
| Ch:-in                              |  | 1  | 18              | 2.7             | 0.075 | 3.645              |
|                                     |  |  | Total (in Cum)  |                 |       | 161.595            |
| Item No. 2 : Laying Brick           | Providing and laying of Brick bat obtained from chimney with machenical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge. |  |                 |                 |       |                    |
| Ch:-in 0 to 216                     |  | 1  | 16.00           | 5.00            | 0.300 | 24.000             |
|                                     |  | 1  | 16.00           | 3.60            | 0.600 | 34.560             |
|                                     |  | 3  | 30.00           | 3.35            | 0.600 | 180.900            |
|                                     |  | 2  | 30.00           | 3.35            | 0.450 | 90.450             |
|                                     |  | 1  | 30.00           | 3.04            | 0.300 | 27.360             |
|                                     |  | 1  | 7.00            | 2.74            | 0.150 | 2.877              |
| Ch:-in 216 to 1025                  |  | 1  | 27.00           | 2.13            | 0.150 | 8.627              |
|                                     |  | 1  | 3.00            | 2.13            | 0.200 | 1.278              |
|                                     |  | 1  | 30.00           | 3.20            | 0.300 | 28.800             |
| Ch:-in 1025 to 1140                 |  | 2  | 30.00           | 3.10            | 0.300 | 55.800             |
|                                     |  | 1  | 30.00           | 3.03            | 0.350 | 31.815             |
|                                     |  | 1  | 23.78           | 2.74            | 0.900 | 58.641             |
| Ch:-in 1140 to 1290                 |  | 2  | 30.00           | 3.10            | 0.300 | 55.800             |
|                                     |  | 1  | 30.00           | 3.03            | 0.250 | 22.725             |
|                                     |  | 1  | 30.00           | 2.85            | 0.300 | 25.650             |
|                                     |  | 1  | 30.00           | 2.74            | 0.300 | 24.660             |
| Ch:-in 1290 to 1350                 |  | 1  | 30.00           | 3.03            | 0.250 | 22.725             |
|                                     |  | 1  | 30.00           | 2.95            | 0.200 | 17.700             |
| Ch:-in 1350 to 1470                 |  | 1  | 30.00           | 2.95            | 0.200 | 17.700             |
|                                     |  | 1  | 30.00           | 2.10            | 0.350 | 22.050             |
|                                     |  | 1  | 30.00           | 3.03            | 0.250 | 22.725             |
|                                     |  | 1  | 30.00           | 3.03            | 0.300 | 27.270             |
| Ch:-in 1470 to 1545                 |  | 1  | 30.00           | 3.10            | 0.300 | 27.900             |
|                                     |  | 1  | 30.00           | 2.75            | 0.250 | 20.625             |
|                                     |  | 1  | 15.00           | 2.90            | 0.150 | 6.525              |
|                                     |  |  |                 |                 |       | 859.163            |
|                                     |  |  | Total (in Cum)  |                 |       | 859.163            |

A. Kumar  
01/11/24  
OE

Prakash  
01/11/24  
A-E



## Schedule of Quantity

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD**  
**NAME OF ROAD :- FROM POKHRAM ME DULARCHAND VISHWAS KE GHAR SE BLOCK :- MURLIGANJ**  
**BAJRANGWALI ASTHAN TAK**

| S.No | SOR NO   | DESCRIPTION OF ITEMS  | QTY    | UNIT | RATE    | AMOUNT     |
|------|----------|---|--------|------|---------|------------|
| 1    | 301.5    | Sand filling in Foundation Trenches as per Drawing & Technical Specification  | 161.60 | Cum  | 582.71  | 94163.73   |
| 2    | A/R      | Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.  | 859.16 | Cum  | 1922.87 | 1652058.72 |
| 3    | 5.7.7    | Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I  | 0.00   | m    | 45.86   | 0.00       |
| 4    | 5.7.8    | Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I  | 0.00   | sqm  | 78.20   | 0.00       |
| 5    | 5.7.9    | Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I   | 0.00   | m    | 5.31    | 0.00       |
| 6    |          | Supply of Bamboo at site.   | 0.00   | nos. | 188.39  | 0.00       |
| 7    | 5.7.40.1 | Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I   | 0.00   | nos. | 37.05   | 0.00       |
| 8    |          | Providing, laying and filling Geo bags of size 1m X 0.7 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m <sup>3</sup> . weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km) | 0.00   | Each | 172.18  | 0.00       |
| 9    | 401      | Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.  | 0.00   | Cum  | 2091.76 | 0.00       |
| 10   | 9.3      | Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).  | 0.00   | m    | 4046.57 | 0.00       |
|      |          | Total   |        |      | Rs.     | 1746222.45 |

*A. Kumar*  
01/11/21  
JE

AE

EE