

# RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chapra

DIVISION – R.W.D Works Division, Marhaura

Name of Work – Motorable of Road from Bandh per Rameshwar Prasad ke ghar se Nanku Pandey ke ghar tak

Block - Amnaur

Estimated Cost – Rs 374665.00

2020-21

ABSTRACT OF COST

## प्रतिवेदन

कार्य का नाम :- Motable of Road from Road for Ramshar Road ke  
शीर्ष :- FDR  
प्राक्कलित राशि :-  
प्रखण्ड का नाम :- अमनौर 374665/-

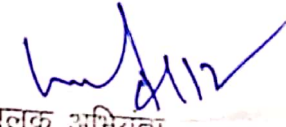
जिला-सारण।

प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु0 374665/- के लिए तैयार किया गया है।

आवश्यकतानुसार तत्काल प्रभाव से पथों को चलने लायक बनाने हेतु प्राक्कलन में Bricks Bats, Sand Bag, Hume-Pipe इत्यादी का प्रावधान आवश्यक लम्बाई, चौड़ाई एवं मोटाई में प्राक्कलन के अनुसार प्रावधान किया गया है।

योजना एवं कार्य की महत्ता के साथ-साथ जनहित के लिए अतिउपयोगी प्राक्कलन को कार्यहित में स्वीकृति हेतु प्रस्तुत किया जा रहा है।

  
05/12/22

  
कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, मढ़ौरा।

# Inspection Report for Flood damage work

Date:

1. Name of PIUs- E.E. R.W.D (W) Marhoun.

2. Name of Block/Road- Annaler - ~~Extensible~~ of Road from border per Rameshwar Pasaal Keshor Se Nonku Pondy to G.

## A. For Road

1. Damage Location/Chainage :- 38, 248

2. Damage Length :- 224 Meter.

3. Nature of Damage :-

4. Details of Restoration :- Road surface cutting due to flood.

i Material being used in Restoration

: Brick bats, Sand filling.

ii Equipment/Tools being used in Restoration works:

: Tractor, R.C.B. Pallets

iii Procedure taken up in Restoration works

: Brick bats, Sand filling by

iv Restored Length

: Rolling  
204 ft.

## B. For Bridge

1. Damage Location/Chainage :-

2. Damage Length :-

3. Nature of Damage :-

4. Details of Restoration :-

i Material being used in Restoration

ii Equipment/Tools being used in Restoration works:

iii Procedure taken up in Restoration works

iv Restored Length

Signature of JE/EE

Signature

Er. Akhilesh Kumar  
(Name of Inspector)

EE

R.W.D (W) Division  
SONEPUR.

**Name of Work** – Motorable of Road from Bandh per Rameshwar Prasad ke ghar se Nanku Pandey ke ghar tak

**Block** – Amnaur

| Sl No. | Particulars              | Amount(In Rs)       |
|--------|--------------------------|---------------------|
| A      | Cost of Restoration Work | Rs331562.00         |
| B      | Add 12% GST on (A)       | Rs 39787.00         |
| C      | Add 1% L.Cess on (A)     | Rs 3316.00          |
|        | <b>Total Cost</b>        | <b>Rs 374665.00</b> |

  
J.E.

RWD

Amnaur

  
A.E.

RWD

Amnaur

  
E.E.

RWD

Marhaura

T/A for Rs 3,74,665.00 (Rupees three lac seventy four thousand six hundred sixty five) only.

अधीक्षण अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, छपरा

### Detailed Estimate

**Name of Work -** Motorable of Road from Bandh per Rameshwar Prasad ke ghar se Nanku Pandey ke ghar tak

| Sl.No. | Item                                                                                                                               | No    | Length | Width | Avg.H/D | Qty    | Unit | Rate    | Amount |
|--------|------------------------------------------------------------------------------------------------------------------------------------|-------|--------|-------|---------|--------|------|---------|--------|
| 1      | Providing laying and spreading brick bats in road ditches all complete as per approved design, specification and direction of E/I. | 2     | 172    | 0.6   | 0.7     | 144.48 |      |         |        |
|        |                                                                                                                                    | 2     | 42     | 0.6   | 0.45    | 22.68  |      |         |        |
|        |                                                                                                                                    | Total |        |       |         | 167.16 | Cum  | 1909.87 | 319254 |
| 2      | Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9                         | 2     | 172    | 0.6   | 0.1     | 20.64  | 0    |         |        |
|        |                                                                                                                                    | 2     | 42     | 0.6   | 0.1     | 5.04   |      |         |        |
|        |                                                                                                                                    | Total |        |       |         | 25.68  | Cum  | 479.27  | 12308  |
| TOTAL  |                                                                                                                                    |       |        |       |         |        |      |         | 331562 |

J.E  
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### ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Restoration/Mottrable of Road from Bhatti parsa path to Lalvan-tela-pashchim Bondh per Rameshwar Rd. Kaghra Se Nanku Pannaly ke Ghar To Co.

(B) Haulage Charge By 8 T Capacity Truck

- |                            |                         |
|----------------------------|-------------------------|
| (i) For Surface Road :-    | Rs. 7.52 Per t per K.M  |
| (ii) For Unsurface Toad :- | Rs. 9.04 Per t per K.M  |
| (iii) For Kutcha Road :-   | Rs. 18.19 Per t per K.M |

**1 CARRIAGE COST OF BAMBOO 62 MM TO 75 MM OF 6 To 8 M LONG**

Lead as per Quarry Chart :- 5 P + 5 K

$$\text{Haulage Cost} = \frac{8}{3.00} \times [ ( 7.52 \times 5.00 ) + ( 18.19 \times 5.00 ) ] = 206.09$$

|                     |         |
|---------------------|---------|
| Loading & Unloading | 2224.00 |
|---------------------|---------|

|                   |         |
|-------------------|---------|
| Total per % Nos = | 2430.09 |
| Total per m =     | 3.47    |

## 2 CARRIAGE COST OF STONE BOULDER

Lead as per Quarry Chart :- 180 P + 0 K

$$\text{Haulage Cost} = \frac{8}{4.80} \times [ ( 7.52 \times 180.00 ) + ( 18.19 \times 0.00 ) ] = 2256.00$$

Loading & Unloading = 196.13

**Total per M<sup>3</sup> = 2452.13**

### 3 CARRIAGE COST OF GSB Material

Lead as per Quarry Chart :- 180 P + 0 K

$$\text{Haulage Cost} = \frac{8}{4.99} \times [ ( 7.52 \times 180.00 ) + ( 18.19 \times 0.00 ) ] = 2170.10$$

Loading & Unloading = 196.13

**Total per M<sup>3</sup> = 2366.23**

**4 CARRIAGE COST OF HUME PIPE ( 1000 MM DIA )**

|                             |    |   |   |   |   |
|-----------------------------|----|---|---|---|---|
| Lead as per Quarry Chart :- | 55 | P | + | 0 | K |
|-----------------------------|----|---|---|---|---|

$$\text{Haulage Cost} = \frac{8}{22.5} \times [ ( 7.52 \times 55.00 ) + ( 18.19 \times 0.00 ) ] = 330.88$$

Loading & Unloading = = 76.58

$$\text{Total per M} = \frac{76.58}{407.46}$$

**5 CARRIAGE COST OF HUME PIPE ( 600 MM DIA )**

Lead as per Quarry Chart :- 55 P + 0 K

$$\text{Haulage Cost} = \frac{8}{52.50} \times [ ( 7.52 \times 55.00 ) + ( 18.19 \times 0.00 ) ] = 63.02$$

Loading & Unloading = 32.82

$$\text{Total per M} = \frac{32.82}{95.84}$$

**(C) Haulage Charge By 3.60 t Tractor capacity**

- (i) For Surface Road :- Rs. 18.70 Per t per K.M  
(ii) For Unsurface Toad :- Rs. 23.30 Per t per K.M  
(iii) For Kutcha Road :- Rs. 29.20 Per t per K.M

**1 CARRIAGE COST OF BRICK BAT**

Lead as per Quarry Chart :- 7 P + 1 K

$$\text{Haulage Cost} = \frac{3.60}{2.25} \times [ ( 18.70 \times 7.00 ) + ( 29.20 \times 1.00 ) ] = 256.16$$

$$\text{Unloading} = \quad \quad \quad = \quad \quad \quad = 65.38$$

$$\text{Total per 1000 Nos.} = 321.54$$

**2 CARRIAGE COST OF LOCAL SAND**

Lead as per Quarry Chart :- 2 P + 1 K

$$\text{Haulage Cost} = \frac{3.60}{2.25} \times [ ( 18.70 \times 2.00 ) + ( 29.20 \times 1.00 ) ] = 106.56$$

$$\text{Unloading} = \quad \quad \quad = \quad \quad \quad = 40.81$$

$$\text{Total per M}^3 = 147.37$$

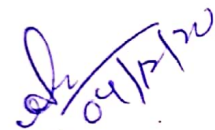
**3 CARRIAGE COST OF STEEL**

Lead as per Quarry Chart :- 5 P + 0 K

$$\text{Haulage Cost} = \frac{3.60}{3.60} \times [ ( 18.70 \times 5.00 ) + ( 29.20 \times 0.00 ) ] = 93.50$$

$$\text{Loading \& Unloading} = \quad \quad \quad = \quad \quad \quad = 325.46$$

$$\text{Total per Mt} = 418.96$$

  
04/12/20

J.E  
RWD  
Marhaura

  
4/12/20

A.E  
R.W.D  
Marhaura

  
4/12/20

E.E  
R.W.D  
Marhaura

## SUMMARY OF CARRIAGE COST OF MATERIAL

Name of work :-

Restoration/Mottrable of Road from Bhitti parsa path to Lalvan tola pashchim

| S.I No. | Name of material          | Unit               | Source       | Mode of Transport | Carriage Charge by Road | Total Carriage up to site |
|---------|---------------------------|--------------------|--------------|-------------------|-------------------------|---------------------------|
| 1       | 2                         | 3                  | 4            | 5                 | 7                       | 8                         |
| 1       | Bricks Bats               | per m <sup>3</sup> | Local Kiln   | By Road           | 321.54                  | 321.54                    |
| 2       | Fine sand                 | per m <sup>3</sup> | Local source | By Road           | 147.37                  | 147.37                    |
| 3       | Steel                     | per mt             | Local        | By Road           | 418.96                  | 418.96                    |
| 4       | Boulder                   | per m <sup>3</sup> | Sheikhpura   | By Road           | 2452.13                 | 2452.13                   |
| 5       | Stone metal <50 mm        | per m <sup>3</sup> | Sheikhpura   | By Road           | 2366.23                 | 2366.23                   |
| 6       | Hume pipe (1000 mm dia)   | Per metre          | Hajipur      | By Road           | 407.46                  | 407.46                    |
| 7       | Hume pipe (600 mm dia)    | Per metre          | Hajipur      | By Road           | 95.84                   | 95.84                     |
| 8       | Bamboo of 62 to 75 mm dia | Per metre          | Local        | By Road           | 3.47                    | 3.47                      |

J.E. 4/11/20  
RWD  
Marhaura

A.E. 4/11/20  
R.W.D  
Marhaura

E.E. 4/11/20  
R.W.D  
Marhaura