

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D. works Circle, Chapra

DIVISION – R.W.D. works Division, Marhaura

Name of Work - Motrable of Road from Madhaura to Vikrampur

Block - Marhaura

Estimated cost - Rs 119742.00

Year : 2020-21

M.D. 134

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs – E.E P.W.D (W) Marhaura.

2. Name of Block/Road – Marhaura

A. For Road Marhaura to Bilhanpur

1. Damage Location/Chainage : 732 M

2. Damage Length : 14.75 M

3. Nature of Damage : cut in road

4. Details of Restoration Works :

- Material being used in Restoration works : brick bat, L/Sand
- Equipments/Tools being used in Restoration works: Fracto, Trolly, roller c.t.c
- Procedure taken up in Restoration works : Laying, spreading c.t.c
- Restored Length : 14.75 M

B. For Bridge

1. Damage Location/Chainage :

2. Damage Length :

3. Nature of Damage :

4. Details of Restoration Works :

- Material being used in Restoration works :
- Equipments/Tools being used in Restoration works:
- Procedure taken up in Restoration works :
- Restored Length :

C. Requirement of new CD/Bridge

- Name of Road :
- Location/Chainage :
- Type of CD work/Length required :

- Upload one Photograph of damaged portion if available
- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode.

Signature of JE/AE/EE

Signature

(Name of Inspector)

प्रतिवेदन

कार्य का नाम :- मढ़ौरा-6 सिड्कण्डर

शीर्ष :- FDR

प्राक्कलित राशि:- 1,19,742=


प्रखण्ड का नाम:- Marhaura

जिला-सारण।

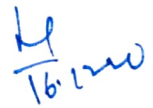
प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु0 1,19,742= 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।


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


15/11/20


16/11/20

ABSTRACT OF COST

3 of Work - Motrable of Road from Madhaura to Vikrampur

k - Marhaura

L	Particulars	Amount (In Rs.)
D.		
A	Cost of Restoration work	Rs 105966.00
B	Add 12 % GST on (A)	Rs 12716.00
C	Add 1 % L. Cess on (A)	Rs 1060.00
	Total Cost	Rs 119742.00

Say Rs 1,19,740/-

J.E.
RWD
Marhaura

A.E.
R.W.D
Marhaura

E.E.
R.W.D
Marhaura

T/A for Rs. 1,19,740/- (Rs one lac nineteen thousand seven hundred forty) only.

1/2/20
SE. 26-12-20
RWD (W) Circle
Chapra,

Detailed Estimate

Motable of Road from Madhaura to Vikrampur

of work :-

Item	No	Length	Width	Avg.H/D	Qty	Unit	Rate	Amount
Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I	1	14.75	4.25	0.86	53.91			
	Total					53.91	cum	1909.87
Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	1	14.75	4.25	0.10	6.27			
	1	0.00	0.00	0.10	0.00			
	Total					6.27	cum	479.27
TOTAL								105966.00


15/12/20
J.E
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16/12
E.E
R.W.D
Marhaura

ANALYSIS FOR CARRIAGE OF MATERIAL

A) Name of the Work :- Motrable of Road from Madhaura to Vikrampur

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 =

$$\begin{aligned} &= \frac{2224.00}{2430.09} \\ \text{Total per \% Nos} &= 2430.09 \\ \text{Total per m} &= 3.47 \end{aligned}$$

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 =

$$\begin{aligned} &= 196.13 \\ \text{Total per M}^3 &= 2452.13 \end{aligned}$$

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 =

$$\begin{aligned} &= 196.13 \\ \text{Total per M}^3 &= 2366.23 \end{aligned}$$

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 =

$$\begin{aligned} &= \frac{76.58}{407.46} \\ \text{Total per M} &= 407.46 \end{aligned}$$

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 =

$$\begin{aligned} &= \frac{32.82}{95.84} \\ \text{Total per M} &= 95.84 \end{aligned}$$

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

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

$$\text{Unloading} = \frac{65.38}{\text{Total per 1000 Nos.} = 321.54}$$

2 CARRIAGE COST OF LOCAL SAND

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

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

$$\text{Unloading} = \frac{40.81}{\text{Total per M}^3 = 147.37}$$

3 CARRIAGE COST OF STEEL

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

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

$$\text{Loading \& Unloading} = \frac{325.46}{\text{Total per Mt} = 418.96}$$


12/11/20

J.E
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16/12/20

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R.W.D
Marhaura

E.E
R.W.D
Marhaura

SUMMARY OF CARRIAGE COST OF MATERIAL

Name of work :-

Mottrable of Road from Madhaura to Vikrampur

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 ³	Local Kiln	By Road	321.54	321.54
2	Fine sand	per m ³	Local source	By Road	147.37	147.37
3	Steel	per mt	Local	By Road	418.96	418.96
4	Boulder	per m ³	Sheikhpura	By Road	2452.13	2452.13
5	Stone metal <50 mm	per m ³	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. *[Signature]*
15/12/20
RWD
Marhaura

A.E. *[Signature]*
R.W.D
Marhaura

E.E.
R.W.D
Marhaura