

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 CHAPRA MARHORA
PATH SE PURAB TOLA - 2 TAK

Block - Marhaura

Estimated cost - Rs 425703.00

Year : 2020-21

Inspection Report for Flood Damage Work

Date:

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

2. Name of Block/Road - Marhara

A. For Road *chakra Marhara patti se Purab tala - 2 tal.*

1. Damage Location/Chainage : 15 M

2. Damage Length : 25 M

3. Nature of Damage : cut in road

4. Details of Restoration Works :

i. Material being used in Restoration works : Brick, bats, L/sand

ii. Equipments/Tools being used in Restoration works : Tractor, Trolley, roller etc

iii. Procedure taken up in Restoration works : Laying, spreading etc

iv. Restored Length : 25 M

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 :

C. Requirement of new CD/Bridge

i. Name of Road :

ii. Location/Chainage :

iii. 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 :- ६५५१ महीना २०५६ पुश्त- २०५१-२ १५-

शीर्ष :- FDR

प्राक्कलित राशि:- ५,२५,७०३ =

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, ग्रा०का०वि०, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु० ५,२५,७०३ = 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

ABSTRACT OF COST

me of Work - Motrable of Road from CHAPRA MARHAURA PATH SE PURAB TOLA-2 TAL

ock - Marhaura

S.L No.	Particulars	Amount (In Rs.)
		Rs 376729.00
A	Cost of Restoration work	Rs 45207.00
B	Add 12 % GST on (A)	Rs 3767.00
C	Add 1 % L. Cess on (A)	Rs 425703.00
	Total Cost	

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T/S for Rupees 4,25,703/- (Four lac twenty
Five thousand Seven hundred three only)

15/12/20
S.E.

Detailed Estimate

Name of work :-

Motable of Road from CHAPRA MARHORA PATH SE PURAB FOL-2

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, specifications and direction of E/I	1	25.00	4.12	1.89	194.67			
		Total					194.67	cum	1909.87
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	1	25.00	4.12	0.10	10.30			
		1	0.00	0.00	0.10	0.00			
		Total					10.30	cum	479.27
TOTAL									376729.00

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ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Motrable of Road from *CHAPPA MARHAURA ROAD SE PURAATOL*

(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
Haulage Cost = $\frac{8}{3.00} \times [(7.52 \times 5.00) + (18.19 \times 5.00)] = 206.09$
Loading & Unloading = $\frac{2224.00}{2430.09}$
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
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 M³ = 2452.13

3 CARRIAGE COST OF GSB Material

Lead as per Quarry Chart :- 180 P + 0 K
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 M³ = 2366.23

4 CARRIAGE COST OF HUME PIPE (1000 MM DIA)

Lead as per Quarry Chart :- 55 P + 0 K
Haulage Cost = $\frac{8}{22.5} \times [(7.52 \times 55.00) + (18.19 \times 0.00)] = 330.88$
Loading & Unloading = $\frac{76.58}{407.46}$
Total per M = 407.46

5 CARRIAGE COST OF HUME PIPE (600 MM DIA)

Lead as per Quarry Chart :- 55 P + 0 K
Haulage Cost = $\frac{8}{52.50} \times [(7.52 \times 55.00) + (18.19 \times 0.00)] = 63.02$
Loading & Unloading = $\frac{32.82}{95.84}$
Total per M = 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 Road :- 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

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

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


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SUMMARY OF CARRIAGE COST OF MATERIAL

Name of work :-

Motable of Road from

CHAPPA MARHAURA ROAD SE PUPAB FOLA-2

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

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