

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D. works Circle, Chapra

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

Name of Work - Restoration/Motrable of Road from KIRAANAND
GIRI FO P.M.G.S.Y PATH

Block - Marhaura

Estimated cost - Rs ~~4,26,28~~ = 1,71,997?

Year : 2020-21

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - E.E R.W.D (W) DIVISION, MARHAURA

2. Name of Block/Road - MARHAURA

A. For Road - KIRPANAND GIRI TO P.M.G.S.Y PATH

1. Damage Location/Chainage : 408
2. Damage Length : 16.75 M
3. Nature of Damage :
4. Details of Restoration Works : cut in road.

- i. Material being used in Restoration works : Brick, bal, & Local sand.
- ii. Equipments/Tools being used in Restoration works: Tractor, bolly, Roller etc
- iii. Procedure taken up in Restoration works : Laying, Spreading etc
- iv. Restored Length : 16.75 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 :- कु.पा.जंगल गिरी से P.M.G.S. 4 पर्यटन

शीर्ष :- FDR

प्राक्कलित राशि :- ~~402628~~ 1,71,997/-

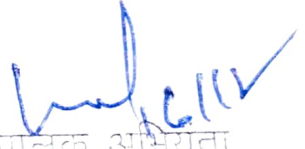
प्रखण्ड का नाम :- मढौरा

जिला-सारण।

प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिक्रान्त के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढौरा के दिशा-निर्देशन में कुल रु0 ~~402628~~/=1,71,997/- लिए तैयार किया गया है।

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

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


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


15/12/20
38


16.12.20


ABSTRACT OF COST

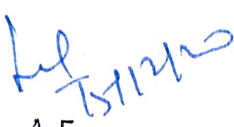
Name of Work -- Restoration/Mottrable of Road from KIRPANAND
GURI to P.M. G.S. 4 Path tak


Block -- MAHAURA

S.No.	Particulars	Amount(In Rs)
A	Cost of Restoration Work	Rs 3,56,308 = 1,52,210 =
B	Add 12% GST on (A)	Rs 42,757 = 1,82,657
C	Add 1% L.Cess on (A)	Rs 3,563 = 1,522 =
	Total Cost	Rs 4,02,628 = <u>1,71,997 =</u>

by Rs 1,71,990 = 0

J.E 
15/11/20


A.E


E.E

RWD

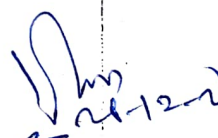
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RWD

Marhaura

Marhaura

T/A for Rs 1,71,990 = 0 (Rupees one lac Seventy one thousand nine hundred ninety) only.


SE
RWD (w/ circle)
Chapora

Detailed Estimate

Name of Work - Restoration/Mottrable of Road from **KIRANAND GIRI to P.M.O.S. 4 PATH TAK**

Sl.No.	Item	S 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, specification and direction of E/L.	1	16.75	5.50	20	184.25	M ³		
		2		4.20	1.10	77.385			
		3							
		4							
		Total						184.25	Cum
	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	16.75	5.50	1.00	9.212	M ³		
		2							
		3							
		4							
		Total						9.212	478 Cum
TOTAL								356308	1522102

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ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Motrable of Road from Kripanand giri to PMGSY path

(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 =

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

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 =

$$= 196.13$$

$$\text{Total per M}^3 = 2452.13$$

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 =

$$= 196.13$$

$$\text{Total per M}^3 = 2366.23$$

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 =

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

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 =

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

(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

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

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

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

2 CARRIAGE COST OF LOCAL SAND

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

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

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

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

3 CARRIAGE COST OF STEEL


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

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

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

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


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Marhaura


A.E
R.W.D
Marhaura

E.E
R.W.D
Marhaura

SUMMARY OF CARRIAGE COST OF MATERIAL

Name of work :-

Mottrable of Road from Kripanand giri to PMGSY path

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	Bambooo of 62 to 75 mm dia	Per metre	Local	By Road	3.47	3.47

J.E 15/10/20
RWD
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