

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 Raypura to Koriya

Block - Amnaur

Estimated cost - Rs 2056507.00

Year : 2020-21

Inspection Report for Flood damage work

Date:

1. Name of PIUs- EE RWD WORKS DIVISION Marhaura

2. Name of Block/Road- motorble of Road from Raypura to Koriya

A. For Road

1. Damage Location/Chainage : 0.800, 1.2, 1.5, 1.8, 2.1, 2.25, 2.629,

2. Damage Length : 320 m

3. Nature of Damage : Road cutting due to cutting

4. Details of Restoration : Brick bats and sand filling

i Material being used in Restoration :

ii Equipment/Tools being used in Restoration works: Tractor, trolley, JCB, Roller etc

iii Procedure taken up in Restoration works : Brick bats & sand

iv Restored Length : 320 m

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/AE/EE

Signature
AKHILESH KUMAR
(Name of Inspector)

E.E R.W.D

(W) DIVISION - SONEPUR

प्रतिवेदन

कार्य का नाम :- *Mah-66 of Road for Raipura to Koriya*

शीर्ष :- FDR

प्राक्कलित राशि:- *20,56,507 =*

प्रखण्ड का नाम:- अमनौर

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 *20,56,507 =* 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।

[Signature]
02/12/20.
J. E. Am.

[Signature]
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मढ़ौरा।
[Signature]
21/12/20

ABSTRACT OF COST

Name of Work - Motrable of Road from Raypura to Koriya

Block - Amnaur

S.L No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work	Rs 1819918.00
B	Add 12 % GST on (A)	Rs 218390.00
C	Add 1 % L. Cess on (A)	Rs 18199.00
	Total Cost	Rs 2056507.00


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T/A forks 2056507 = (Twenty ^{91cm}~~four~~ five) by
the five hundred seven one.

23.12.22

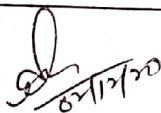
अधीक्षण अभियंता
ग्रामीण विकास विभाग
काय प्रमंडल, छपरा

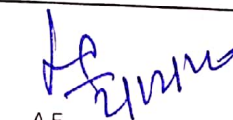
me of work :-

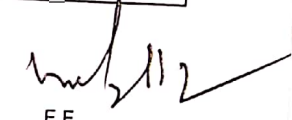
Detailed Estimate

Mottrable of Road from Raypura to Koriya

Motorable of Road from Raypura to Koriya														
SI 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	2	30.00	4.25	0.76	193.80	cum	1909.87	1744318.00					
		2	16.00	4.25	0.60	81.60								
		2	20.00	4.25	0.52	88.40								
		2	35.00	3.90	0.45	122.85								
		3	30.00	4.40	0.61	241.56								
		2	20.00	4.25	0.73	124.10								
		2	10.00	1.50	0.34	10.20								
		2	12.00	1.20	0.30	8.64								
		2	7.50	0.80	0.30	3.60								
		3	13.80	0.90	0.45	16.77								
		3	11.80	0.75	0.33	8.76								
		2	9.75	0.55	0.45	4.83								
		3	15.90	0.45	0.25	5.37								
		2	10.50	0.50	0.27	2.84								
		Total								913.32				
		2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	2	30.00	4.25				0.10	25.50	cum	479.27	75600.00
				2	16.00	4.25				0.10	13.60			
2	20.00			4.25	0.10	17.00								
2	35.00			3.90	0.10	27.30								
3	30.00			4.40	0.10	39.60								
2	20.00			4.25	0.10	17.00								
2	10.00			1.50	0.10	3.00								
2	12.00			1.20	0.10	2.88								
2	7.50			0.80	0.10	1.20								
3	13.80			0.90	0.10	3.73								
3	11.80			0.75	0.10	2.66								
2	9.75			0.55	0.10	1.07								
3	15.90			0.45	0.10	2.15								
2	10.50			0.50	0.10	1.05								
Total					157.74									
TOTAL							1819918.00							


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ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Restoration/Mottrable of Road from Raypura to Koriya

(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

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

Unloading =

$$= \frac{65.38}{}$$

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

2 CARRIAGE COST OF LOCAL SAND

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

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

Unloading =

$$= \frac{40.81}{}$$

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

3 CARRIAGE COST OF STEEL

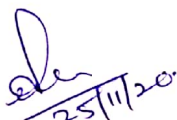
Lead as per Quarry Chart :- 5 P + 0 K

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

Loading & Unloading =

$$= \frac{325.46}{}$$

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


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SUMMARY OF CARRIAGE COST OF MATERIAL

Name of work :-

Restoration/Motable of Road from Raypura to Koriya

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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