

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 Sheikhpura to Khaspatti via Beldiha

Block - Amnaur

Estimated cost - Rs 365726.00

Year : 2020-21

Date: 25/11/20.

Inspection Report for Flood damage work

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

2. Name of Block/Road- Amarapur - Motorable of Road from Shikhpur
to Khaspatti via the Badlika.

A. For Road

1. Damage Location/Chainage : -1.10, 1.20, 1.40, 1.90.

2. Damage Length : 67.75

3. Nature of Damage : Road cutting due to Flood.

4. Details of Restoration :

i Material being used in Restoration

: Brick, local sand fill.

ii Equipment/Tools being used in Restoration works:

: Tractor, Roller, V.C.B. Tank etc.

iii Procedure taken up in Restoration works

: Dumping, laying, rolling

iv Restored Length

: 67.75.

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

(IN) DIVISION - SONEPUR

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प्रतिवेदन

कार्य का नाम :- *Motable of Road from Shikhpura to Khaspalli Via*

शीर्ष :- FDR

प्राक्कलित राशि :- 365726/-

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 (Motable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु0 365726/- 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।

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

al
29/11/2020
J. E. Amnour

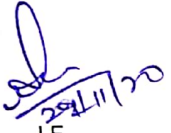
mlg
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मढ़ौरा।
lp
29/11/20

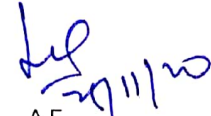
ABSTRACT OF COST

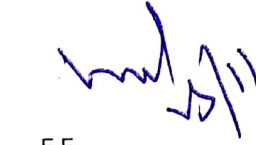
Name of Work - Motrable of Road from Sheikhpura to Khaspatti via Beldiha

Block - Amnaur

S.L No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work	Rs 323651.00
B	Add 12 % GST on (A)	Rs 38838.00
C	Add 1 % L. Cess on (A)	Rs 3237.00
	Total Cost	Rs 365726.00


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T/A for Rs. 3,65,726.00 (Rupees three lac sixty five - thousand seven hundred twenty six) only.

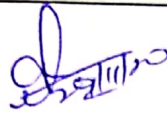

अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, छपरा

ame of work :-

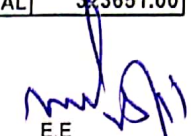
Detailed Estimate

Mottrable of Road from Sheikhpura to Khaspatti via Beldiha

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	1	18.00	4.12	0.96	71.19			
		1	15.00	4.15	0.87	54.16			
		1	4.75	1.50	0.60	4.28			
		1	30.00	1.50	0.78	35.10			
Total						164.73	cum	1909.87	314612.00
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	1	18.00	4.12	0.10	7.42			
		1	15.00	4.15	0.10	6.23			
		1	4.75	1.50	0.10	0.71			
		1	30.00	1.50	0.10	4.50			
		1	0.00	0.00	0.10	0.00			
Total						18.86	cum	479.27	9039.00
TOTAL								323651.00	


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ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Restoration/Mottrable of Road from Sheikhpura to Khaspatti via Beldiha

(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

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

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

2 CARRIAGE COST OF STONE BOULDER

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

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

$$\text{Loading \& Unloading} = = 196.13$$

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

3 CARRIAGE COST OF GSB Material

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

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

$$\text{Loading \& Unloading} = = 196.13$$

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

4 CARRIAGE COST OF HUME PIPE (1000 MM DIA)

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

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

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

5 CARRIAGE COST OF HUME PIPE (600 MM DIA)

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

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

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

(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

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

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

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

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

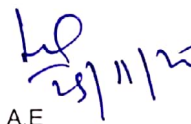
Lead as per Quarry Chart :- 5 P + 0 K

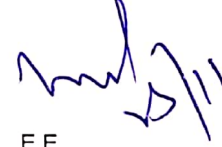
$$\text{Haulage Cost} = \frac{3.60}{3.60} \times [(18.70 \times 5.00) + (29.20 \times 0.00)] = 93.50$$

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

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


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SUMMARY OF CARRIAGE COST OF MATERIAL

Name of work :- Restoration/Motable of Road from Sheikhpura to Khaspatti via Beldiha

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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