

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 Bhatti parsa path to Lalvan
tola pashchim

Block - Amnaur

Estimated cost - Rs 118647.00

Year : 2020-21

प्रतिवेदन

कार्य का नाम :- *Motability of Road from Bhatti Pansa Path to Lalum tala Paschim.*

शीर्ष :- FDR

प्राक्कलित राशि:- *118647/-*

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 *11,86,47/-* 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।

02/12/20
J. B. Anon

02/12/20
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मढ़ौरा।

02/12/20

Inspection Report for Flood damage work

Date:

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

2. Name of Block/Road- Amanoo - Maintenance of Road from Blitti Passa path to Lalvan Tota Paschim

A. For Road

1. Damage Location/Chainage : - 55, 61, 82

2. Damage Length : 28 M

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

4. Details of Restoration :

i Material being used in Restoration

: Bone bet, Sand filling.

ii Equipment/Tools being used in Restoration works:

: Roller, Tractor, J.C.B, Pallet

iii Procedure taken up in Restoration works

: Bone bet, Sand filling, leveling

iv Restored Length

: 28 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]
21/11/20
Signature of JE/AE/EE

[Signature]
21/11/2020
Signature
Ee. Akhilesh Kumar
(Name of Inspector)
EE
RWD (W) Division
SOWEPOR.

ABSTRACT OF COST


Work of Road - Motrable of Road from Bhatti parsa path to Lalvan tola pashchim

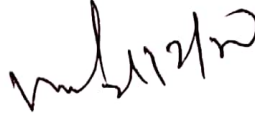
Work - Amnaur

Sl. No.	Particulars	Amount (In Rs.)
1	Cost of Restoration work	Rs 104997.00
2	Add 12 % GST on (A)	Rs 12600.00
3	Add 1 % L. Cess on (A)	Rs 1050.00
	Total Cost	Rs 118647.00

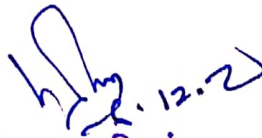
218,647 =

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R.W.D
Amnaur


E.E.
R.W.D
Marhaura

T/A for 1,18,647 = 00 (Rupees One Lax eighteen thousand -
Six hundred forty seven) only.



अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, छपरा


Detailed Estimate

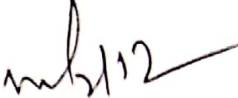
Motable of Road from Bhatti parsu path to Lalvan tola pashchim

of work

No	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	1 00	0 60	0 32	0 19			
		1	12 00	4 25	0 43	21 93			
		1	15 00	4 25	0 47	29 96			
		Total				52 08	cum	1909 87	99466 00
	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3 B	1	1 00	0 60	0 10	0 06			
		1	12 00	4 25	0 10	5 10			
		1	15 00	4 25	0 10	6 38			
		Total				11 54	cum	479 27	5531 00
								TOTAL	104997.00


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ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Motrable of Road from Bhatti parsia path to Lalvan tola pashchim

(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 =

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

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 =

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

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 =

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

(C) Haulage Charge By 3.60 t Tractor capacity

- (i) For Surface Road :- Rs. 18.70 Per t per K.M
- (ii) For Unsurface 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

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

Unloading =

= 65.38

Total per 1000 Nos. = 321.54

2 CARRIAGE COST OF LOCAL SAND

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

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

Unloading =

= 40.81

Total per M³ = 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 =

= 325.46

Total per Mt = 418.96

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R.W.D
Amnaur

A.E.
2/12/20

A.E
R.W.D
Amnaur

E.E.
2/12

E.E
R.W.D
Marhaura

SUMMARY OF CARRIAGE COST OF MATERIAL

Motrable of Road from Bhititi parsa path to Lalvan tola pashchim

Name of work :-

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

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