

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chapra

DVISION – R.W.D Works Division, Marhaura

Name of Work – Motorable of Road from Molna pur centre paiga
PMGSY path se paschim mia tola school tak

Block - Amnaur

Estimated Cost – Rs 545628.00

2020-21

ABSTRACT OF COST

प्रतिवेदन

कार्य का नाम :- *Motable of Road from Malanpur Center Baiga P4934 Pathra*
शीर्ष :- FDR
प्राक्कलित राशि:- *545628/-*
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 *545628/-* 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]
कनीय अभियंता

[Signature]
सहायक अभियंता

[Signature]
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मढ़ौरा।

Inspection Report for Flood damage work

Date: _____
1. Name of PIUs: E.E. R.W.D(2) Division Moshourao.
Motarchi of Roof form Molana Juss Center Page P4954 Pkt
2. Name of Block/Road: Amnour - Sa Aschim Miya To School T.G.

A. For Road

1. Damage Location/Chainage : 60, 165, 278 M.
2. Damage Length : 275 M.
3. Nature of Damage : Road Cutting due to flood.
4. Details of Restoration :
 - i Material being used in Restoration : Brick Bats & Sand filling.
 - ii Equipment/Tools being used in Restoration works: J.C.B, Trencher, Gravel etc.
 - iii Procedure taken up in Restoration works : Brick bats & sand filling.
 - iv Estimated Length : 275 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 Estimated Length : _____

Signature 4/12/20

NAME

Signature

(Name of Inspector)

Name of Work Name of Work – Motorable of Road from Molna
pur centre paiga PMGSY path se paschim mia tola school tak

Block – Amnaur

Sl No.	Particulars	Amount(In Rs)
A	Cost of Restoration Work	Rs 482856.00
B	Add 12% GST on (A)	Rs 57943.00
C	Add 1% L.Cess on (A)	Rs 4829.00
	Total Cost	Rs 545628.00

Rs 5,45,620 = 00


J.E.

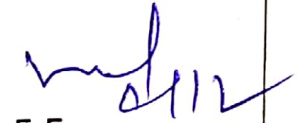
RWD

Amnaur


A.E.

RWD

Amnaur


E.E.

RWD

Marhaura

Technically approved for Rs. 5,45,620 = 00 (Rupees-
five lac forty five thousand six hundred-
twenty) only.


S.E.
RWD (w) circle
chapra.

Detailed Estimate

Name of Work - Motorable of Road from Molna pur centre paiga PMGSY path se paschim Mia tola school tak

Sl.No.	Item	S 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, specification and direction of E/I.	2	95	0.65	0.75	92.63			
		2	85	0.6	0.70	71.40			
		2	95	0.7	0.60	79.80			
		Total				243.83	Cum	1909.87	465674
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	2	95	0.65	0.1	12.35	0		
		2	85	0.6	0.1	10.20			
		2	95	0.7	0.1	13.30			
		Total				35.85	Cum	479.27	17182
TOTAL									482856

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ANALYSIS FOR CARRIAGE OF MATERIAL

1) Name of the Work :- *Masterplan of Road from Molana per Centre Paiga Pt 954 Patk Sa Pascha Hia To School Toke.*

3) Haulage Charge By 8 T Capacity Truck

- (i) For Surface Road :- Rs. 7.52 Per t per K.M
 (ii) For Unsurface Road :- 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 =

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

2 CARRIAGE COST OF STONE BOULDER

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

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

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 =

$$\begin{aligned} &= 196.13 \\ \text{Total per M}^3 &= 2366.23 \end{aligned}$$

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 =

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

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 =

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

(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

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

$$\text{Unloading} = \frac{65.38}{\text{Total per 1000 Nos.}} = 321.54$$

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

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

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


J.E.

R.W.D
Marhaura


A.E.

R.W.D
Marhaura


E.E.

R.W.D
Marhaura

SUMMARY OF CARRIAGE COST OF MATERIAL

Name of work :-

Restoration/Motable of Road from Pakaree Lalapur Gausakhap khas PMGSY to
Sharma tola

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

S.E

RWD

Marhaura

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Marhaura