

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chapra

DIVISION – R.W.D Works Division, Marhaura

Name of Work – Motorable of Road from Nawal Shah
Madhubani ke dukan se Chotu Singh ke ghar tak

Block -

Amnaur

Estimated Cost - Rs 342991

2020-21

ABSTRACT OF COST

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ke

Inspection Report for Flood damage work

Date:

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

2. Name of Block/Road- Anonymous - Nawal Shoh Madhubeni Road near
Su Chote Singh Keshor Tole.

A. For Road

1. Damage Location/Chainage : 22, 86, 126, 180 Y.

2. Damage Length : 71 Y.

3. Nature of Damage :

4. Details of Restoration : Road cutting due to flood

i Material being used in Restoration

ii Equipment/Tools being used in Restoration works :

iii Procedure taken up in Restoration works : Breaker, Local small tillage,
Roller, Tractor, J.C.B, Trolley

iv Restored Length : Dumping, subbing, levelling
71 Y.

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

Er. Akhilesh Kumar

(Name of Inspector)

EE.

R.W.D (W) Division
SONEPUR.

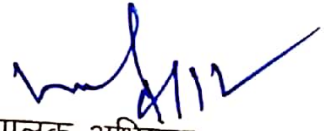
प्रतिवेदन

कार्य का नाम :- Motable of Road from Naccin Sat, Hadkeban, Rd.
शीर्ष :- FDR
प्राक्कलित राशि :- 342-771/-
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 342-771/- 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।


04/12/20
1st Amr


कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मढ़ौरा।
14/12/20

प्रतिवेदन

कार्य का नाम :- Motable of Road from Nawalshah madhubani ke Uhar
शीर्ष :- FDR Se Chota Gugh ke Uhar tak
प्राक्कलित राशि :- 342886 342971/-
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 342971/- 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।


04/12/20
J.E. Arora -


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

Name of Work – Motorable of Road from Nawal Shah
Madhubani ke dukan se Chotu Singh ke ghar tak

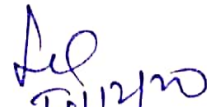
Block – Amnaur

Sl No.	Particulars	Amount(In Rs)
A	Cost of Restoration Work	Rs 303532
B	Add 12% GST on (A)	Rs 36424
C	Add 1% L.Cess on (A)	Rs 3035
	Total Cost	Rs 342991


J.E.

RWD

Amnaur


A.E.

RWD

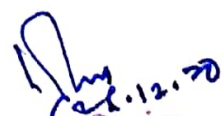
Amnaur


E.E.

RWD

Marhaura

T/A for Rs 3,42,991 = ∞ (Rupees three lac forty-
two thousand nine hundred ninety one) only.

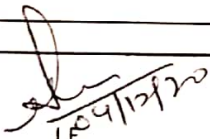

अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, उन्नाव

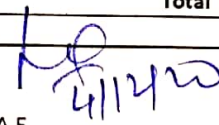
Detailed Estimate

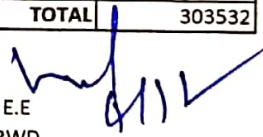
Name of Work -

Motorable of Road from Nawal Sah Madhubani ke dukan se Chotu Singh ke Ghar 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.	1	12	1.5	0.9	16.20			
		2	13	4	1.4	72.80			
		3	20	1.7	1.11	37.74			
		4	26	1.3	0.85	28.73			
		Total					155.470	Cum	1909.87
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	12	1.5	0.1	1.80	0		
		2	13	4	0.1	5.20			
		3	20	1.7	0.1	3.40			
		4	26	1.3	0.1	3.38			
		Total					13.78	Cum	479.27
TOTAL									303532


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ANALYSIS FOR CARRIAGE OF MATERIAL

1) Name of the Work :- Restoration/Mottrable of Road from *Naccawal Sikhar Madubani ke dukan se Chotu Singh ghar Tak.*

2) 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 =

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

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 =

$$= 196.13$$

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

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 =

$$= 196.13$$

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

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 =

$$= 76.58$$

$$\text{Total per M} = \frac{407.46}{}$$

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 =

$$= 32.82$$

$$\text{Total per M} = \frac{95.84}{}$$

(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 :-

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

Unloading =

= 65.38

Total per 1000 Nos. = 321.54

2 CARRIAGE COST OF LOCAL SAND

Lead as per Quarry Chart :-

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

Unloading =

= 40.81

Total per M³ = 147.37

3 CARRIAGE COST OF STEEL

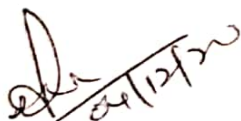
Lead as per Quarry Chart :-

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

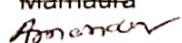
Loading & Unloading =

= 325.46

Total per Mt = 418.96


J.E.
RWD
Marhaura



A.E.
R.W.D
Marhaura


E.E.
R.W.D
Marhaura

Name of work :-

SUMMARY OF CARRIAGE COST OF MATERIAL

Restoration/Mottrable of Road from Kalsa school to Rajpur

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

E.E
R.W.D
Marhaura

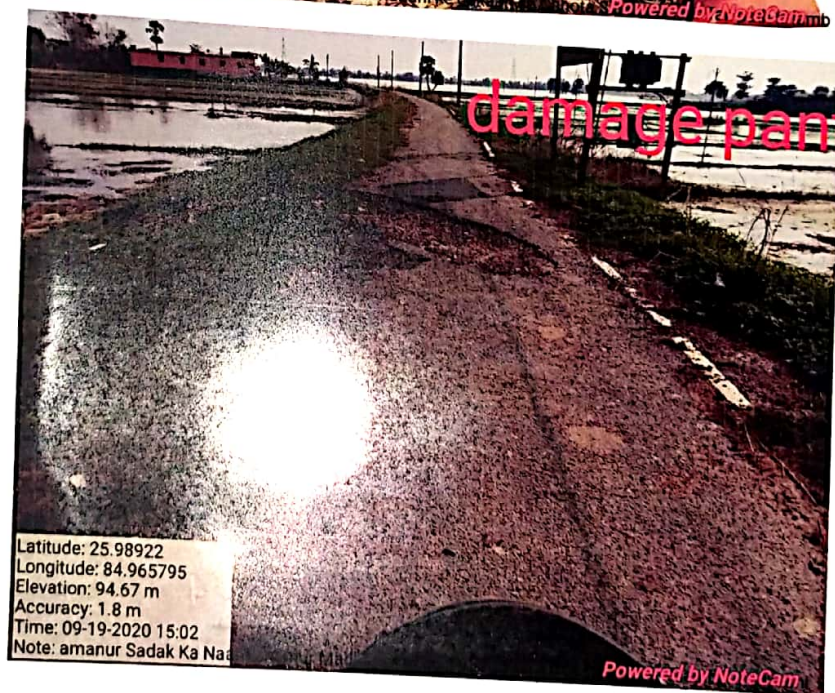
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FDR Analysis

Sr. No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1.1	Loading and Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Manual Means				
	(i) Loading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by manual means including a lead upto 30 m				
	Unit = cum				
	Taking output = 5.5 cum				
	a) Labour				
	Mate				
	Mazdoor (Unskilled)	day	0.02	305.00	6.10
	b) Machinery				
	Truck	day	0.50	287.00	143.50
	c) Overheads on (a+b)	hour	0.50	934.30	467.15
	d) Contractor's profit on (a+b+c)	=@ 6%			37.01
	Cost for 5.5 cum = a+b+c+d	=@ 10%			65.38
	Rate per cum = (a+b+c+d)/5.5				719.13
					130.75
	(ii) Loading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m				
	Unit = cum				
	Taking output = 5.5 cum				
	a) Labour				
	Mate				
	Mazdoor (Unskilled)	day	0.01	305.00	3.05
	b) Machinery				
	Truck	day	0.25	287.00	71.75
	c) Overheads on (a+b)	hour	0.25	934.30	233.58
	d) Contractor's profit on (a+b+c)	=@ 6%			18.50
	Cost for 5.5 cum = a+b+c+d	=@ 10%			32.69
	Rate per cum = (a+b+c+d)/5.5				359.57
					65.38
	(iii) Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by manual means including a lead upto 30 m				
	Unit = cum				
	Taking output = 5.5 cum				
	a) Labour				
	Mate				
	Mazdoor (Unskilled)	day	0.01	305.00	3.05
	b) Machinery				
	Truck	day	0.25	287.00	71.75
	c) Overheads on (a+b)	hour	0.25	934.30	233.58
	d) Contractor's profit on (a+b+c)	=@ 6%			18.50
	Cost for 5.5 cum = a+b+c+d	=@ 10%			32.69
	Rate per cum = (a+b+c+d)/5.5				359.57
					65.38

Name of Road- FDR Nawal Sah madhubani ke Dukan se chota singh ke
 Block- Amnour



20/12/20
 12:12
 12:12

20
 21:12
 2



first point

Latitude: 25.933972
Longitude: 84.925652
Elevation: 145.22 m
Accuracy: 3.0 m
Time: 09-21-2020 14.25



last point

[Signature] 20/12/20

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21.1.21
R