

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 NH-102 RMV Basauta se
NH-102 Dewander Ram ke ghar tak

Block - Amnaur

Estimated Cost – Rs 624279.00

2020-21

ABSTRACT OF COST

प्रतिवेदन

कार्य का नाम :- *Motable of Road from NH-102 RMV Basu to Se*
शीर्ष :- *NH-102 De... from Kaghori to*
प्राक्कलित राशि :- *624279/-*
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 रु0/624279/- 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।

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04/12/20

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

Inspection Report for Flood damage work

Date:

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

2. Name of Block/Road- Amroha - Mordouze of Road from NH-102
R.H.V. Basantide NH-102 Devaluram K.G. Ghar Tal.

A. For Road

1. Damage Location/Chainage : - 50 m.

2. Damage Length : 622 m.

3. Nature of Damage : Road surface cutting due to flood.

4. Details of Restoration :

i Material being used in Restoration

: Bricks, boulders, sand, etc.

ii Equipment/Tools being used in Restoration works:

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

iii Procedure taken up in Restoration works

: Dumping, laying, rolling, etc.

iv Restored Length

: 622 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]
21/12/20

Signature of IEA/EE

[Signature]
21/12/20

[Signature]
21/12/2020

Signature

Er. Archilash Kumar
(Name of Inspector)

EE.

RWD (W) Division

SONEPUR.

Scanned by CamScanner

Name of Work – Motorable of Road from NH-102 RMV Basauta se
NH-102 Dewander Ram ke ghar tak

Block – Amnaur

Sl No.	Particulars	Amount(In Rs)
A	Cost of Restoration Work	Rs 552459.00
B	Add 12% GST on (A)	Rs 66295.00
C	Add 1% L.Cess on (A)	Rs 5525.00
	Total Cost	Rs 624279.00


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Amnaur


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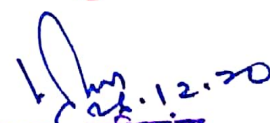
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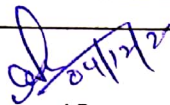
T/A for Rs. 6.24.279=00 (Rupees six lac twenty four -
thousand two hundred seventy nine) only.


अधीक्षण अधियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, छपरा

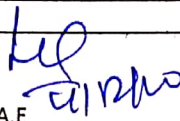
Detailed Estimate

Name of Work - Motorable of Road from NH-102 RMV Basauta se NH-102 Dewander Ram ke ghar tak

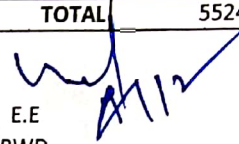
Sl.No.	Item	S No	Length	Width	Avg.H/D	Qty	Unit	Rate	Amount
1	Providing laying and spreading brick bats in road ditches all complete as per approved design, specification and direction filling and spreading clean	1	622	0.6	0.75	279.90			
		Total				279.90	Cum	1909.87	534573
2	sand over brick bats as per drawing and technical specification Clause 303.5.9	1	622	0.6	0.1	37.32	0		
		Total				37.32	Cum	479.27	17886
								TOTAL	552459



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ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Restoration/Maintenance of Road from Apahar to Kharagewa form NH-102 R.M.V
Basu to Se NH-102 Deowar Rom ka Gher Talu

(B) 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 =

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

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 =

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

5 CARRIAGE COST OF HUME PIPE (600 MM DIA)

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

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

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 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

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

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

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

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

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


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SUMMARY OF CARRIAGE COST OF MATERIAL

Restoration/Motable of Road from Apahar to kharagewa

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	Bamboo of 60 to 75 mm dia	Per metre	Local	By Road	3.47	3.47

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