

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 Amnaur Madhubani
PMGSY se Madhubani Nahar Tak

Block - Amnaur

Estimated Cost – Rs 512523.00

2020-21

ABSTRACT OF COST

प्रतिवेदन

कार्य का नाम :- / Motarable of Road from Amrai Madhukar

शीर्ष :- FDR |

प्राक्कलित राशि :-

प्रखण्ड का नाम :- अमनौर

जिला-सारण।

प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अंतर्गत 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 / 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।

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

[Signature]
25/11/20
J.G. An

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Inspection Report for flood damage work

Date:

1. Name of PIUs-

2. Name of Block/Road-

A. For Road

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 :

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/AF/EE

Signature

(Name of Inspector)

Scanned by CamScanner

Name of Work – Motorable of Road from Amnaur Madhubani

PMGSY se Madhubani Nahar Tak

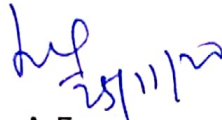
Block – Amnaur

Sl No.	Particulars	Amount(In Rs)
A	Cost of Restoration Work	Rs 453560.00
B	Add 12% GST on (A)	Rs 54427.00
C	Add 1% L.Cess on (A)	Rs 4536.00
	Total Cost	Rs 512523.00


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RWD

Amnaur


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A.E.

RWD

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RWD

Marhaura

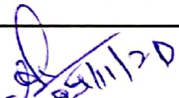
Technically sanctioned for Rs. 5.12523 lacs
(Rupees five lacs twelve thousand five
hundred twenty three only.)


28.1.21
S.D.

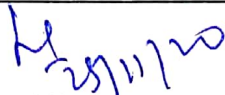
Detailed Estimate

of Work - Motorable of Road from Amnaur Madhubani PMGSY se Madhubani Nahar Tak

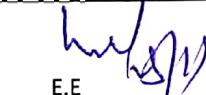
o.	Item	S No	Length	Width	Avg.H/D	Qty	Unit	Rate	Amount
	Providing laying and spreading brick bats in road ditches all complete as per approved design, specification and direction of E/I.	1	18	3.8	1.05	71.82			
		1	27.6	3.85	0.75	79.70			
		1	28.85	3.9	0.7	78.76			
		Total				230.28	Cum	1909.87	439796
	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	18	3.8	0.1	6.84	0		
		1	27.6	3.85	0.1	10.63			
		1	28.85	3.9	0.1	11.25			
		Total				28.72	Cum	479.27	13763
TOTAL								453560	


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ANALYSIS FOR CARRIAGE OF MATERIAL

Name of the Work: Restoration/Maintenance of Road from Kanya Zolpalaya of Arunachal Pradesh to Parshurampur Gandak Dam via Gost Arunachal

Charges By 8 T Capacity Truck

For Surface Road	Rs. 7.52 Per T per K M
For Unsurface Road	Rs. 9.04 Per T per K M
For Kutch Road	Rs. 18.19 Per T per K M

CARRIAGE COST OF BAMBOO 62 MM TO 75 MM OF 6 To 8 M LONG

As per Quarry Chart: 5 P + 5 K

$$\text{Carriage Cost} = \frac{8}{3.00} \times [(7.52 \times 5.00) + (18.19 \times 5.00)] = 2724.00$$

Loading & Unloading = 2724.00

Total per % Nos = 2430.00

Total per m = 3.47

CARRIAGE COST OF STONE BOULDER

As per Quarry Chart: 180 P + 0 K

$$\text{Carriage Cost} = \frac{8}{4.80} \times [(7.52 \times 180.00) + (18.19 \times 0.00)] = 2756.00$$

Loading & Unloading = 196.13

Total per M³ = 2452.13

CARRIAGE COST OF GSB Material

As per Quarry Chart: 180 P + 0 K

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

Loading & Unloading = 196.13

Total per M³ = 2366.23

CARRIAGE COST OF HUME PIPE (1000 MM DIA)

As per Quarry Chart: 55 P + 0 K

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

Loading & Unloading = 76.58

Total per M = 407.46

CARRIAGE COST OF HUME PIPE (600 MM DIA)

As per Quarry Chart: 55 P + 0 K

$$\text{Carriage Cost} = \frac{8}{52.50} \times [(7.52 \times 55.00) + (18.19 \times 0.00)] = 61.02$$

Loading & Unloading = 32.82

Total per M = 93.84

Charging Charge By 3.60 t Tractor capacity

For Surface Road :- Rs. 18.70 Per t per K.M
For Unsurface Road :- Rs. 23.30 Per t per K.M
For Kutcha Road :- Rs. 29.20 Per t per K.M

CARRIAGE COST OF BRICK BAT

As per Quarry Chart :- 7 P + 1 K

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

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

CARRIAGE COST OF LOCAL SAND

As per Quarry Chart :- 2 P + 1 K

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

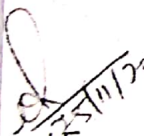
$$\text{Loading} = \quad \quad \quad = \quad \quad \quad = \frac{40.81}{\text{Total per M}^3 = 147.37}$$

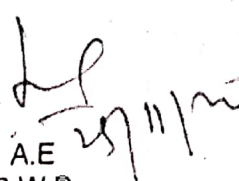
CARRIAGE COST OF STEEL

As per Quarry Chart :- 5 P + 0 K

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

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


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Name of work :- Restoration/Motable of Road from Kanya Vidyalaya of Amnaur -Tariya Road to
parshurampur Gandak Dam via Gosi Amnaur

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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