

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 T01 to molnapur dudh
center to amarpur pega bazaar

Block - Amnaur

Estimated cost - Rs 675733.00

Year : 2020-21

प्रतिवेदन

कार्य का नाम :- Motarable Road from TO1 to Molanapur Health Center
शीर्ष :- FDR

प्राक्कलित राशि:- 675733/-

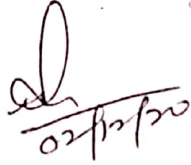
प्रखण्ड का नाम:- अमनौर

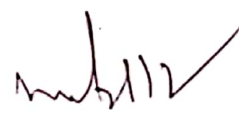
जिला-सारण।

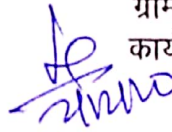
प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु0 675733/- 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


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



Inspection Report for Flood damage work

Date:

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

2. Name of Block/Road- Armanour - Motorole of Road from 701 Holanapur
~~from 701 to Holanapur~~ Center to amrapur Paga 602200.

A. For Road

1. Damage Location/Chainage : 300 + 352 + 389 + 450 + 600 Y.

2. Damage Length : 974

3. Nature of Damage : Cutting of Road due to flood.

4. Details of Restoration :

i Material being used in Restoration

: Bricle Bet & Sand filly etc

ii Equipment/Tools being used in Restoration works:

: Tractor, J.C.B + Roller etc

iii Procedure taken up in Restoration works

: Bricle Bet & Sand filly.

iv Restored Length

: 974 bafly, rolling etc.

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

RWD (W) Division

SONEPUR

ABSTRACT OF COST

Item of Work - Motorable of Road from T01 to Mohanpur sub center to Amnampur pigia bazaar

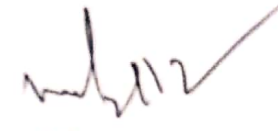
At - Amnampur

Sl. No.	Particulars	Amount (in Rs.)
1.	Cost of Restoration work	Rs 597994.00
2.	Add 12 % GST on (A)	Rs 71759.00
3.	Add 1 % L. Cess on (A)	Rs 5980.00
	Total Cost	Rs 675733.00

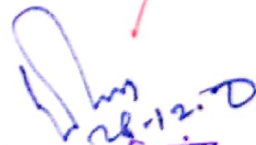
Rs. 6,75,733.00


AE
RWD
Amnampur


AE
RWD
Amnampur


EE
RWD
Marhaura

T/A for Rs. 6,75,733.00 (Rupees six lac seventy five thousand seven hundred thirty three) only

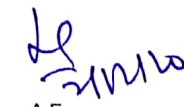

अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, छपरा

Detailed Estimate

Motrable of Road from T01 to molnapur dudh center to amarpur pega bazaar

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	5.00	3.80	0.70	13.30			
	1	18.00	3.90	0.61	42.82			
	1	37.00	3.80	0.82	115.29			
	1	23.00	4.00	0.87	80.04			
	1	14.00	4.05	0.92	52.16			
Total					303.61	cum	1909.87	579854.00
Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	1	5.00	3.80	0.10	1.90			
	1	18.00	3.90	0.10	7.02			
	1	37.00	3.80	0.10	14.06			
	1	23.00	4.00	0.10	9.20			
	1	14.00	4.05	0.10	5.67			
Total					37.85	cum	479.27	18140.00
TOTAL								597994.00


J.E
RWD
Amnaur


A.E
R.W.D
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ANALYSIS FOR CARRIAGE OF MATERIAL

.) Name of the Work :- Restoration/Mottrable of Road from T01 to molnapur dudh center to amarpur pega bazaar

.) 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 =

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

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 =

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

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 =

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

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 =

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

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 =

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

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

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

$$\text{Unloading} = \quad \quad \quad = \quad \quad \quad = 65.38$$

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

2 CARRIAGE COST OF LOCAL SAND

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

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

$$\text{Unloading} = \quad \quad \quad = \quad \quad \quad = 40.81$$

$$\text{Total per M}^3 = 147.37$$

3 CARRIAGE COST OF STEEL

Lead as per Quarry Chart :- 5 P + 0 K

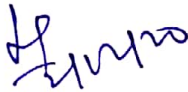
$$\text{Haulage Cost} = \frac{3.60}{3.60} \times [(18.70 \times 5.00) + (29.20 \times 0.00)] = 93.50$$

$$\text{Loading \& Unloading} = \quad \quad \quad = \quad \quad \quad = 325.46$$

$$\text{Total per Mt} = 418.96$$



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SUMMARY OF CARRIAGE COST OF MATERIAL

Name of work :- Restoration/Motrabale of Road from T01 to molnapur dudh center to amarpur pega bazaar

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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