

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 Hanuman mandir to Surendra ray ke ghar tak

Block - Amnaur

Estimated cost - Rs 478392.00

Year : 2020-21

प्रतिवेदन

कार्य का नाम :- *Motable of Road from Hanuma mandir to Soverdas Rai*
शीर्ष :- FDR
प्राक्कलित राशि :- *478392/-*
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 *478392/-* 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।

25/11/20
J.E. Anonur

25/11/20
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) Mathhousa

2. Name of Block/Road- Amanous - Mortals of Road from Amanous Mor
to Sanderan Rai Key Ghar Tile.

A. For Road

1. Damage Location/Chainage : - 22, 72, 130 M.

2. Damage Length : 62.50 M.

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

4. Details of Restoration :

i Material being used in Restoration

: Brick Bat, L Sand filling

ii Equipment/Tools being used in Restoration works:

: Roller, Tractor, Tally stick

iii Procedure taken up in Restoration works

: Brick Bat, L Sand filling

iv Restored Length

: 62.50 M. Grading, Rolling

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

Br. Akhilesh Kumar
(Name of Inspector)

E.E.

RWD (W) Division
SONEPOR.

ABSTRACT OF COST

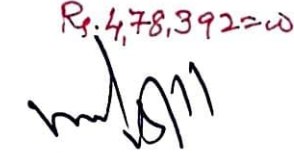
Name of Work - Motrable of Road from Hanuman mandir to Surendra ray ke ghar tak

lock - Amnaur

S.L No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work	Rs 423355.00
B	Add 12 % GST on (A)	Rs 50803.00
C	Add 1 % L. Cess on (A)	Rs 4234.00
	Total Cost	Rs 478392.00


J.E.
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Amnaur


A.E.
R.W.D
Amnaur

Rs. 4,78,392.00

E.E.
R.W.D
Marhaura

T/A for Rs. 4,78,392.00 (Rupees four lac seventy eight thousand three hundred ninety two) only.


अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, छपरा

Detailed Estimate

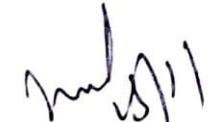
e of work

Motable of Road from Hanuman mandir to Surendra ray ke ghar tak

Item	No	Length	Width	Avg.W/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	27.45	4.50	1.22	150.70			
	1	19.80	1.70	1.12	37.70			
	1	15.25	1.65	1.14	28.69			
	Total				217.09	cum	1909.87	414613.00
Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	1	27.45	4.50	0.10	12.35			
	1	19.80	1.70	0.10	3.37			
	1	15.25	1.65	0.10	2.52			
	Total				18.24	cum	479.27	8742.00
TOTAL								423355.00


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ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Restoration/Mottrable of Road from SH73 Petrol pump to Paharpur

(B) 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

$$\text{Haulage Cost} = \frac{8}{3.00} \times [(7.52 \times 5.00) + (18.19 \times 5.00)] = 206.09$$

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

2 CARRIAGE COST OF STONE BOULDER

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

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

$$\text{Loading \& Unloading} = 196.13$$

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

3 CARRIAGE COST OF GSB Material

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

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

$$\text{Loading \& Unloading} = 196.13$$

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

4 CARRIAGE COST OF HUME PIPE (1000 MM DIA)

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

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

$$\text{Loading \& Unloading} = 76.58$$

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

5 CARRIAGE COST OF HUME PIPE (600 MM DIA)

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

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

$$\text{Loading \& Unloading} = 32.82$$

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

C) Haulage Charge By 3.60 t Tractor capacity

- (i) For Surface Road - Rs. 18.70 Per t per K.M
(ii) For Unsurface 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

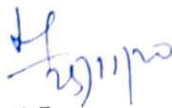
Lead as per Quarry Chart - 5 P + 0 K

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

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



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Name of work -

Restoration/Motable of Road from SH73 Petrol pump to Pahaipul

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 Bais	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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