

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 Ramchak T04 to Manpur

Block - Amnaur

Estimated cost - Rs 565061.00

Year : 2020-21

Inspection Report for Road damage work

Date:

1. Name of P.U.s - E.E. R.O.D (W) Mahankar...

2. Name of Block/Road - *Approximate - Mahankar of Ramthapur*
A. For Road *5.04 to Manpur.*

- 1. Damage Location/Chainage : 0.10 + 150
- 2. Damage Length : 67 M.
- 3. Nature of Damage : *Cutting the Road & also the level.*
- 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

: *Bridge Bat & sand filling, Trench, T.C.B, Roller etc*
: *Bridge Bat & sand filling.*
: *67 M. levelling, Dumping 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]
Signature of JE/AFEE

[Signature]
Signature
AKHILESH KUMAR
(Name of Inspector)
E.E. R.O.D

(W) DIVISION - SONEPUR

प्रतिवेदन

कार्य का नाम :- *Motable of Road (from Rancho 704 To Harpur .*

शीर्ष :- FDR

प्राक्कलित राशि:- 56506/-


प्रखण्ड का नाम:- अमनौर


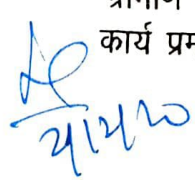
जिला-सारण।

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 56506/- 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 कार्यरहित न स्वीकृति हेतु प्रस्तुत किया जा रहा है।


02/11/20
J. S. An


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


ABSTRACT OF COST


Name of Work - Motrable of Road from Ramchak T04 to Manpur

Block - Amnaur

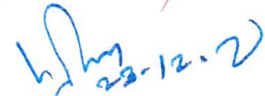
| S.L No. | Particulars | Amount (In Rs.) |
|---------|--------------------------|---------------------|
| A | Cost of Restoration work | Rs 500054.00 |
| B | Add 12 % GST on (A) | Rs 60006.00 |
| C | Add 1 % L. Cess on (A) | Rs 5001.00 |
| | Total Cost | Rs 565061.00 |


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T/A for Rs 565061.00 / Five lakh sixty five
thousand six hundred and one only


अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य प्रबंधल, छपरा

Name of work

Detailed Estimate

Motrable of Road from Ramchak T04 to Manpur

| SI No | Item | 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, specifications and direction of E/I | 1 | 11.00 | 3.80 | 0.30 | 12.54 | | | |
| | | 2 | 10.00 | 3.90 | 0.61 | 47.58 | | | |
| | | 2 | 18.00 | 4.25 | 1.28 | 195.84 | | | |
| | | Total | | | | | | | |
| 2 | Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9 | 1 | 11.00 | 3.80 | 0.10 | 4.18 | | | |
| | | 1 | 10.00 | 3.90 | 0.10 | 3.90 | | | |
| | | 2 | 18.00 | 4.25 | 0.10 | 15.30 | | | |
| | | Total | | | | | | | |
| TOTAL | | | | | | | | | 500054.00 |



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ANALYSIS FOR CARRIAGE OF MATERIAL

(A) Name of the Work :- Restoration/Mottrable of Road from Ramchak T04 to Manpur

(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

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

Loading & Unloading =

$$= 2224.00$$

$$\text{Total per \% Nos} = 2430.09$$

$$\text{Total per m} = 3.47$$

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 =

$$= 196.13$$

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

3 CARRIAGE COST OF GSB Material

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

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

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

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

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

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

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 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

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

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

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

2 CARRIAGE COST OF LOCAL SAND

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

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

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

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

3 CARRIAGE COST OF STEEL

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

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

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

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



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SUMMARY OF CARRIAGE COST OF MATERIAL

Restoration/Mottrable of Road from Ramchak T04 to Manpur

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 | Bambooo of 62 to 75 mm dia | Per metre | Local | By Road | 3.47 | 3.47 |

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