



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From L023 Manjhopur T01 To Molanapur.		
DISTRICT	Saran		
BLOCK	Taraiya		
LENGTH OF ROAD	2.070	KM	
ESTIMATED COST	29.692	Lac	

प्रतिवेदन

कार्य का नाम :- Motable of Road from Lo23 Manjhopur To
शीर्ष :- FDR Molanapur

प्राक्कलित राशि :- 29.692 Lac

प्रखण्ड का नाम :- Tarsaiya

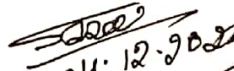
जिला-सारण।

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 (Motable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु0 29.692 Lac 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।


4.12.2020
R


04.12.2020
A.E.


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

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - EE RWD WORKS DIVISION marthandapur
2. Name of Block/Road - motorable of Road from LO23 marthandapur
To 1 To molanapur

A. For Road

1. Damage Location/Chainage : 0.650, 1.300, 1.350, 1.410, 1.560, 1.580, 1.600, 1.680
1.930, 2.005, 2.050. 2nd time 1.360, 1.350, 1.460
2. Damage Length : 368 m
3. Nature of Damage : Flood
4. Details of Restoration Works :
i. Material being used in Restoration works : Brick bats and sand
ii. Equipments/Tools being used in Restoration works : J.C.B, Tractor, Tally, Rolar
iii. Procedure taken up in Restoration works :
iv. Restored Length : 368 m

B. For Bridge

1. Damage Location/Chainage :
2. Damage Length :
3. Nature of Damage :
4. Details of Restoration Works :
i. Material being used in Restoration works :
ii. Equipments/Tools being used in Restoration works :
iii. Procedure taken up in Restoration works :
iv. Restored Length :

C. Requirement of new CD/Bridge

- i. Name of Road :
ii. Location/Chainage :
iii. Type of CD work/Length required :

- Upload one Photograph of damaged portion if available
- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode.

Signature of JE/AE/EE
8.12.2020

Signature
12/12/2020

(Name of Inspector)

FDR

GENERAL ABSTRACT OF COST

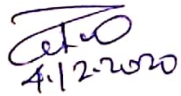
Block:- Taraiya

District:- Saran

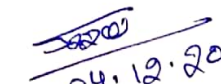
Length of Road:- 2.070 KM

Name of Road:- Motorable of Road From L023 Manjhopur T01 To Molanapur.

SL. No.	Amount
A ESTIMATED COST :	29.692 Lacs
TOTAL :	29.692 Lacs


4.12.2020

Junior Engineer


04.12.20

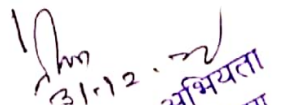
Asstt. Engineer

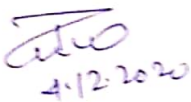
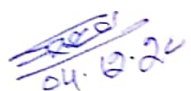

04.12.20

Executive Engineer

T. A for Rs 29.692 Lac. (Twenty nine lacs sixty nine thousand two hundred only)

SE
RWD


31.12.20
अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा

Name Of Road :-		Motorable of Road From 1023 Manjhopur T01 To Molanapur.		Block:-	Taraiya
Sl. No.	Description	UNIT	QUANTITY	RATE	AMOUNT (in Rs.)
1	Providing Brick Bats Providing brick bats including spreading laying, Labour for dry graded jhama khoa folter under Brick Pitching or boulder pitching in slope or apron including light ramming etc. All complete job as per approved design specification and direction of E/I, including carriage cost of bricks.				
	Quantity As Per Annexure-1	CUM	1378.78	2153.51	2969199.34
				TOTAL COST =	29,69,199.34
 4.12.2020 JE RWD  04.12.20 AE RWD  EE RWD					

ANNEXTURE-1

Name Of Road :- Motorable of Road From L023 Manjhpor T01 To Molanapur.							Block:- Taraiya
Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
	1st Time Flood						
1	CH-650	1	15.00	4.50	1.50	CUM	101.25 m3 ✓
2	"	1	20.00	1.00	0.60	CUM	12.00 m3 ✓
3	CH-1300	1	10.00	5.00	1.75	CUM	87.50 m3 ✓
4	"	1	12.00	4.50	0.50	CUM	27.00 m3 ✓
5	"	1	5.00	4.50	1.50	CUM	33.75 m3 ✓
6	CH-1350	1	11.00	4.50	1.70	CUM	84.15 m3 ✓
7	"	1	5.00	1.00	0.60	CUM	3.00 m3 ✓
8	CH-1410	1	10.00	4.50	1.25	CUM	56.25 m3 ✓
9	"	1	5.00	1.00	1.00	CUM	5.00 m3 ✓
10	"	1	4.00	1.00	1.00	CUM	4.00 m3 ✓
11	"	1	8.00	1.00	1.00	CUM	8.00 m3 ✓
12	CH-1560	1	10.00	1.50	1.00	CUM	15.00 m3 ✓
13	"	1	6.00	1.50	1.00	CUM	9.00 m3 ✓
14	CH-1580	1	7.00	1.00	1.00	CUM	7.00 m3 ✓
15	"	1	5.00	4.50	1.00	CUM	22.50 m3 ✓
16	CH-1600	1	10.00	5.00	0.60	CUM	30.00 m3 ✓
17	CH-1680	1	20.00	4.50	1.50	CUM	135.00 m3 ✓
18	CH-1930	1	20.00	4.50	1.75	CUM	157.50 m3 ✓
19	CH-2005	1	28.00	4.50	1.25	CUM	157.50 m3 ✓
20	CH-2050	1	15.00	4.50	1.25	CUM	84.38 m3
	2nd Time Flood						
1	CH-1300	1	10.00	4.50	1.00	CUM	45.00 m3
2	CH-1350	1	10.00	4.50	1.20	CUM	54.00 m3
3	CH-1410	1	10.00	4.50	1.00	CUM	45.00 m3
4	"	1	5.00	3.00	1.00	CUM	15.00 m3
5	CH-1680	1	20.00	4.50	0.60	CUM	54.00 m3
6	CH-1850	1	40.00	1.00	0.30	CUM	12.00 m3
7	CH-1930	1	20.00	4.50	0.60	CUM	54.00 m3

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
8	CH-2005	1	20.00	5.00	0.60	CUM	60.00 m3
TOTAL QUANTITY =							1378.78 m3

[Signature]
4.12.2020
JE
RWD

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4.12.20
AE
RWD

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4.12.20
EE
RWD

Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
6.6.1 WRD Bihar	Labour for dry graded jhama khoa folter under Brick Pitching or boulder pitching in slope or apron including light ramming etc. All complete as per approved design specification and direction of E/L.				
	Unit:-Per Cum				
	Taking Output =2.832 Cum				
	Unskilled Mazdoor				
	Add 6% Overhead Charge	Nos.	3	287.00	861.00
	Rate for 2.832 Cum				51.66
	Rate Per Cum(Rs.)=				912.66
					322.27
RCD	Cost of haulage Excluding Loading and Unloading				
	Haulage of Materials By Tractor Excluding Cost Of loading, unloading and stacking				
	Unit-t.km				
	Taking output 3.60 tonnes load and lead 10 km =36.0 t.km				
	(i) Surface Road				
	Speed With load :15 km / hour.				
	a)Machinery.				
	Tractor 3.6 tonnes Capacity				
	Time Taken For onward haulage with load	hour	0.667	549.10	366.25
	Time Taken For empty return trip	hour	0.400	549.10	219.64
	b) Overhead Charges @0.06 on (a)				35.15
	Cost for 36 t km=(a+b+c)/36				621.04
	Say RS.-				17.25
	ii) Unsurface Gravel Road				
	Speed With load :12 km / hour.				
	Speed for empty return trip :20 km / hour.				
	a)Machinery.				
	Tractor 3.6 tonnes Capacity				
	Time Taken For onward haulage with load	hour	0.833	549.10	457.40
	Time Taken For empty return trip 0.50	hour	0.500	549.10	274.55
	b) Overhead Charges @0.06 on (a)				43.92
	Cost for 36 t km=(a+b+c)/840.34				775.87
	Rate per t.km = (a+b+c)/3623.34				21.55
	Say RS.-				21.55

1.1 RCD	Loading and Unloading of Stone Boulder / Stone aggregate / sand / kankor / Moorum				
	Placing Tractor at loading point, loading with front loader, dumping, turning for return trip, excluding for haulage and return trip.				
	Unit = cum				
	Taking output = 2.25 cum				
	Time required for				
	i) Positioning of Tractor at loading Point		1 Min		
	ii) Loading by front end loader 1 cum bucket @ capacity 25 cum per hour		5 Min		
	iii) Maneuvering, reverse, dumping and turning for return		0 Min		
	iv) Waiting time, unforeseen Contingencies etc.		0 Min		
	Total		6 Min		
	a) Labour				
	Mate				
	Mazdoor for loading and unloading	Day	0.03	305.00	9.15
	b) Machinery	Day	0.72	287.00	206.64
	Tractor 3.60 tonnes capacity	hour	0.10	549.10	54.91
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	1403.00	116.45
	c) Overhead charges @ 0.06 on (a+b)				23.23
	Cost for 2.25 cum = a+b+c+d				410.38
	Cost for 2.25 cum = (a+b+c+d)/2.25				182.39
Note-	Unloading will be done manually.				
1	Supplying for Brick Bats (With OH)				
A	Basic Rate of Brick Bats	Per Cum		1017.00	1017.00
	Add overhead Charges 6%		0.06		61.02
	Total-				1078.02
	Surface Lead	km	7.00		
	Unsurface Lead	km	1.00		
	Factor(3.6/2.25)	cum	1.60		
B	Carriage (with OH)				
	(1.6 x 7 x 17.25) + (1.6 x 1 x 21.55) + 182.39				410.07
C	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				322.27
	Total (A+B+C)-				1810.36
	Add 1% Labour Cess (A+B+C)				18.10
	Add 12% GST(A+B+C)				217.24
	Add 10% cost of Material for seigniorage Fee		1.00	107.80	107.80
	Total Cost per Cum		Rs.-		2153.51

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F.D.R

Name of Road $\Rightarrow$ manghopur To 1 To MOLNAPUR
BLOCK $\Rightarrow$ TARAIYA



F.D.R
Name of Road $\Rightarrow$ Manjapur Tal To Molnapur
Block $\Rightarrow$ Taraiya



F.D.R
 Name of Road $\Rightarrow$ Manjhopur T01 To MOLNAPUR
 BLOCK $\Rightarrow$ TARAIYA



F.D.R

Name of Road $\Rightarrow$ Manjhopur To Molnapur
Block $\Rightarrow$ TARAIA



F.D.R

Name of Road $\Rightarrow$ Manjhapur To Molnapur
BLOCK D TARAIYA

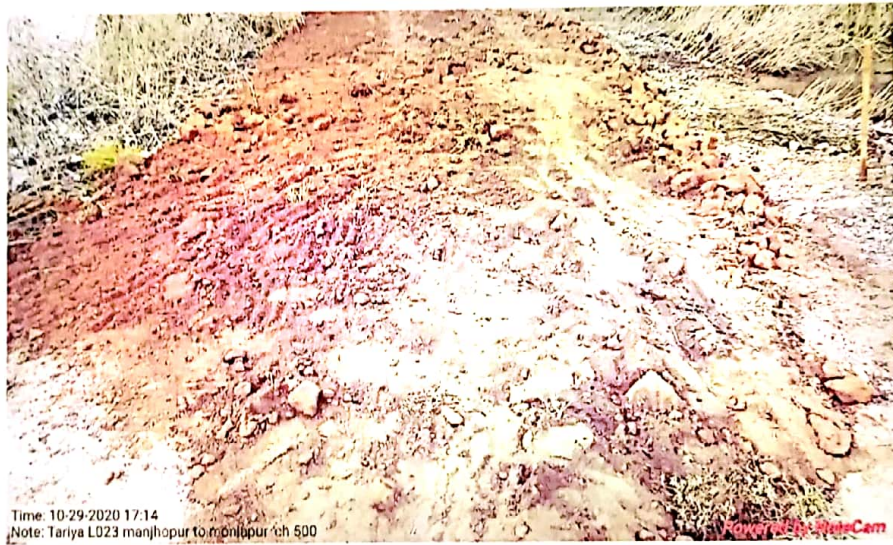


P.O.R
Name of Road $\Rightarrow$ Manjhopur To Molnapur
Block $\Rightarrow$ TARAIA



F.D.R

Name of Road $\Rightarrow$ Manjhopur TOL To Molnapur
Block $\Rightarrow$ Taraia



F.D.R
Name of Road $\Rightarrow$ manjhopur Tol To MOLNAPR
BLOCK $\Rightarrow$ TARAIYA



F.D.R.
Name of Road $\Rightarrow$ Manjhopur TOL To MOLNAPUR
Block $\Rightarrow$ TARAIYA



F.O.R

Name of Road $\Rightarrow$ Manjhopur Tol To Molnapur

Block $\Rightarrow$ TARAIA



F.D.R
Name of Road $\Rightarrow$ Manjhapur To Molnapur
BLOCK $\Rightarrow$ TARAIYA

