



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From Dhanauti To Panapur Via Rasauli.		
DISTRIC	Saran		
BLOCK	Panapur		
LENGTH OF ROAD	2.350	KM	
ESTIMATED COST	12.174	Lac	

प्रतिवेदन

कार्य का नाम :- धनौली से पानापुर भाया रसौली पथ।

शीर्ष :- FDR

प्राक्कलित राशि:- 12.174 लाख।

पथ की लम्बाई:- 2.350 कि०मी०

प्रखण्ड का नाम:- पानापुर

जिला-सारण।

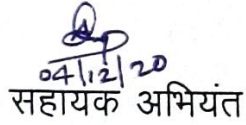
प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अंतर्गत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा०का०वि०, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु० 12.174 लाख 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।


12.12.2020

कनिष्ठ अभियंता


04.12.2020

सहायक अभियंता



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

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - EE RWD WORKS DIVISION Masihaur
2. Name of Block/Road - motorable of Road from Dhanuchi to Panapur
via Rasauli

A. For Road

1. Damage Location/Chainage : 0.20-0.200, 0.250m
2. Damage Length : 169 m
3. Nature of Damage : Flood
4. Details of Restoration Works :
i. Material being used in Restoration works : Brick Bat
ii. Equipments/Tools being used in Restoration works : J.C.B, Tractor, Roller, Trally etc
iii. Procedure taken up in Restoration works : Brick Bat
iv. Restored Length : 169 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

08/12/20

Signature

Signature

(Name of Inspector)

FDR

GENERAL ABSTRACT OF COST

Block:- Panapur

District:- Saran

Length of Road:-

2.350 KM

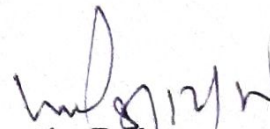
Name of Road:-

Motorable of Road From Dhanauti To Panapur Via Rasauli.

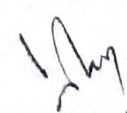
SL. No.	Amount
A ESTIMATED COST	: 12.174 Lacs
TOTAL	: 12.174 Lacs


4.12.2020
Junior Engineer

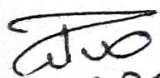

04/12/2020
Asstt. Engineer


31/12/20
Executive Engineer

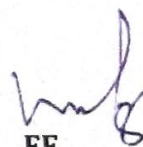
SE
RWD

TA for Rs 12.174 Lacs (Twelve Lacs Seventy four thousand four hundred only)

31.12.20

Name Of Road :-		Motorable of Road From Dhanauti To Panapur Via Rasauli,		Block:-	Panapur
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	565.30	2153.51	1217376.58
TOTAL COST =					12,17,376.58


4.12.2020
JE
RWD


4/12/2020
AE
RWD


8/12/20
EE
RWD

ANNEXTURE-1

Name Of Road :- Motorable of Road From Dhanauti To Panapur Via Rasauli.

Block:- Panapur

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	CH- 0 To 20 M	1	8.00	4.50	1.00	CUM	36.00 m3
	"	1	6.00	1.00	0.75	CUM	4.50 m3
	CH- 0 To 20 M	1	5.00	0.60	0.60	CUM	1.80 m3
	"	1	3.00	3.00	0.75	CUM	6.75 m3
	"	1	10.00	5.00	1.00	CUM	50.00 m3
	"	1	11.00	5.00	2.00	CUM	110.00 m3
	"	1	5.00	5.00	1.50	CUM	37.50 m3
	"	1	4.00	1.00	1.00	CUM	4.00 m3
	"	1	15.00	1.00	1.00	CUM	15.00 m3
	CH- 20 To 250 M	1	6.00	5.00	0.60	CUM	18.00 m3
	"	1	9.00	1.50	1.00	CUM	13.50 m3
	"	1	15.00	5.00	1.00	CUM	75.00 m3
	"	1	10.00	5.00	2.50	CUM	125.00 m3
	"	1	12.00	1.00	1.00	CUM	12.00 m3
	"	1	50.00	1.50	0.75	CUM	56.25 m3
TOTAL QUANTITY =							565.30 m3

[Signature]
4.12.2020
JE
RWD

[Signature]
4/12/2020
AE
RWD

[Signature]
8/12/20
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	Nos.	3	287.00	861.00
	Unskilled Mazdoor				51.66
	Add 6% Overhead Charge				912.66
	Rate for 2.832 Cum				322.27
	Rate Per Cum(Rs.)=				
RCD	Cost of haulage Excluding Loading and Unloading				
	Haulage of Materials By Tractor Excluding Cost Of loading, unloading and stacking				
	Unit-1.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	hour	0.667	549.10	366.25
	Time Taken For onward haulage with load	hour	0.400	549.10	219.64
	Time Taken For empty return trip				35.15
	b) Overhead Charges @0.06 on (a)				621.04
	Cost for 36 t km=(a+b+c)/36				17.25
	Say RS.-				
	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	hour	0.833	549.10	457.40
	Time Taken For onward haulage with load	hour	0.500	549.10	274.55
	Time Taken For empty return trip 0.50				43.92
	b) Overhead Charges @0.06 on (a)				775.87
	Cost for 36 t km=(a+b+c)/840.34				21.55
	Rate per t.km = (a+b+c)/3623.34				21.55
	Say RS.-				

1.1 RCD Loading and Unloading of Stone Boulder / Stone aggregate / sand / kanker / 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	Day	0.03	305.00		9.15
Mazdoor for loading and unloading	Day	0.72	287.00		206.64
b) Machinery					
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