

8.12.20



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From Lakhanpur To Bagdiha Via Pipra Singahi.		
DISTRIC	Saran		
BLOCK	Panapur		
LENGTH OF ROAD	8.550	KM	
ESTIMATED COST	23.355	Lac	

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - EE Road (1m) Division, Marhaury

2. Name of Block/Road - Panajur

A. For Road

Major block of Road from Cukuhampur to
Baglika via Pipra Ringali

1. Damage Location/Chainage :

2. Damage Length :

3. Nature of Damage :

4. Details of Restoration Works :

140M + 20M

Due to Flood & Gun Run cut

i. Material being used in Restoration works : - Bricks, bats, Sand Bag, Stone pipe

ii. Equipments/Tools being used in Restoration works: Tractor, Tolly

iii. Procedure taken up in Restoration works :

iv. Restored Length : 140M + 20M

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 of JE/AE/EE

08/12/2020

Signature of JE/AE/EE

Signature

(Name of Inspector)

प्रतिवेदन

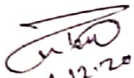
कार्य का नाम :- लखनपुर से बाड़ीगा गाथा पिपरा सिंगाही
शीर्ष :- FDR
पथ की लं० :- 8.550 KM
प्राक्कलित राशि :- 23.355/- ✓
प्रखण्ड का नाम :- पानापुर

जिला-सारण।


प्रस्तुत प्राक्कलन शीर्ष MR-3054 Class-I 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, ग्रा०का०वि०, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु०- ~~23.355~~ 23.355-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।


4.12.2020
Bz


04/12/2020
AE


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

FDR

GENERAL ABSTRACT OF COST

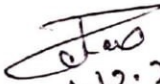
Block:-- Panapur

District:- Saran

Length of Road:-- 8.550 KM

Name of Road:-- Motorable of Road From Lakhanpur To Bagdiha Via Pipra Singahi.

Sl. No.	Amount
A ESTIMATED COST	: 23.355 Lacs
TOTAL	: 23.355 Lacs


4.12.2020

Junior Engineer


04/12/2020


Asstt. Engineer



Executive Engineer

T/A Rs 23.355 Lacs (Rupees Twenty three Lacs thirty five thousand Five hundred only).

SE
RWD


04/12/20
S.E.

Name Of Road :-		Motorable of Road From Lakhampur To Bagdiha Via Pipra Singahi.		Block:-	Panapur
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	1084.50	2153.51	2335476.55
				TOTAL COST =	23,35,476.55

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4.12.2020

JE
RWD

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04/12/2020

AE
RWD

EE
RWD

ANNEXTURE-1

Motorable of Road From Lakhanpur To Bagdiha Via Pipra Singahi.

Block:- Panapur

Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
CH- 300 M	1	30.00	1.00	1.50	CUM	45.00 m3
CH- 700 M	2	15.00	5.00	1.00	CUM	150.00 m3
CH- 700 M	2	10.00	5.00	1.50	CUM	150.00 m3
CH- 750 M	1	10.00	5.00	2.00	CUM	100.00 m3
CH- 1850 M	1	40.00	1.25	1.50	CUM	75.00 m3
CH- 2000 M	1	35.00	1.00	2.00	CUM	70.00 m3
CH- 2250 M	1	10.00	1.75	2.00	CUM	35.00 m3
CH- 2700 M	1	1.00	5.00	2.50	CUM	12.50 m3
CH- 2400 M	1	10.00	5.00	2.00	CUM	100.00 m3
CH- 3000 To 7000 M	4	6.00	2.00	1.50	CUM	72.00 m3
2nd Time Flood						
CH- 700 To 750 M	1	20.00	5.00	2.75	CUM	275.00 m3
TOTAL QUANTITY =						1084.50 m3

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4-12-2020
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RWD

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04/12/2020
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RWD

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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/I.				
	Unit:-Per Cum				
	Taking Output =2.832 Cum				
	Unskilled Mazdoor	Nos.	3	287.00	861.00
	Add 6% Overhead Charge				51.66
	Rate for 2.832 Cum				912.66
	Rate Per Cum(Rs.)=				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 / kanker / Moorum						
Placing Tractor at loading point, loading with front loader, dumping, turnig for return trip, excluding for haulage and return trip.						
Unit = cum						
Taking output = 2.25 cum						
Time required for						
i) Positioning of Tracter at loading Point						
ii) Loading by front end loader 1cum bucket @ capacity 25 cum per hour						
iii) Maneuvering, reverse, dumping and turnig for return						
iv) Wating time, unforeseen Contingencies etc.						
Total						
a) Labour						
Mate						
Mazdoor for loading and unloading						
b) Machinery						
Tractor 3.60 tonnes capacity						
Front end loader 1 cum bucket capacity @ 25 cum/hour						
c) Overhead charges @ 0.06 on (a+b)						
Cost for 2.25 cum = a+b+c+d						
Cost for 2.25 cum = (a+b+c+d)/2.25						
Note- Unloading will be done manually.						
1 Supplying for Brick Bats (With OH)						
A Basic Rate of Brick Bats						
Add overhead Charges 6%						
Total-						
Surface Lead						
Unsurface Lead						
Factor(3.6/2.25)						
B Carriage (with OH)						
(1.6 x 7 x 17.25) + (1.6 x 1 x 21.55) + 182.39						
C Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)						
Total (A+B+C)-						
Add 1% Labour Cess (A+B+C)						
Add 12% GST(A+B+C)						
Add 10% cost of Material for seigniorage Fee						
Total Cost per Cum						