



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	17.433	Lac -	17.433 Laka

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - EE Road (In) Division: Markapur

2. Name of Block/Road - Panapur

A. For Road

Motorable of Road from Culembur to
Bajlika via Pipra Bungal

1. Damage Location/Chainage :

2. Damage Length : 140M

3. Nature of Damage : Due to Flood & Gun Run cuts

4. Details of Restoration Works :

- Material being used in Restoration works : Bricks bats, Sand Bag, Stump pipe
- Equipments/Tools being used in Restoration works: Tractor, Tally
- Procedure taken up in Restoration works :
- Restored Length : 140M

B. For Bridge

1. Damage Location/Chainage :

2. Damage Length :

3. Nature of Damage :

4. Details of Restoration Works :

- Material being used in Restoration works :
- Equipments/Tools being used in Restoration works:
- Procedure taken up in Restoration works :
- Restored Length :

C. Requirement of new CD/Bridge

- Name of Road :
- Location/Chainage :
- 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.

8.12.2020
or

Signature of JE/AE/EE

08/12/2020

8/12/20

Signature

(Name of Inspector)

प्रतिवेदन

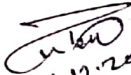
कार्य का नाम :- लखनपुर से बगडीहा भाया पिपरा सिंगाही
शीर्ष :- FDR
पथ की लं० :- 8.550 KM
प्राक्कलित राशि:- 1743340/- ✓
प्रखण्ड का नाम:- पानापुर

जिला-सारण।

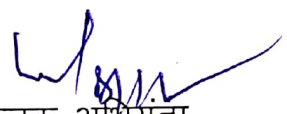
प्रस्तुत प्राक्कलन शीर्ष MR-3054 Class-I अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा०का०वि०, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु०- ~~1743340/-~~ 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
BE


04/12/2020
BE


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

FDR

GENERAL ABSTRACT OF COST

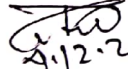
Block:- Panapur

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	: 17.433 Lakh Rupees
TOTAL	: 17.433 Lakh Rupees


4.12.2020
Junior Engineer

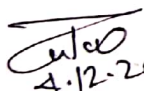

04/12/2020
Asstt. Engineer


9/12
Executive Engineer

SE
RWD

T/A for Rs 17 43300 = Seventeen lakh forty three thousand three hundred rupees


8/12/20
S.E.

Name Of Road :-		Motorable of Road From Lakhampur To Bagdiha Via Pipra Singahi.		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	809.50 m ³	2153.51	1743266.00
				TOTAL COST =	1743266.00
 4.12.2020 JE RWD  04/12/2020 AE RWD EE RWD					

ANNEXTURE-1

Name Of Road :- Motorable of Road From Lakhanpur To Bagdiha Via Pipra Singahi.							Block:- Panapur
Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	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
TOTAL QUANTITY =							809.50 m3

[Signature]
4.12.2020

JE
RWD

[Signature]
04/12/2020

AE
RWD

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/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		1 Min		
	ii) Loading by front end loader 1 cum bucket @ capacity 25 cum per hour		5 Min		
	iii) Maneuvering, reverse, dumping and turnig for return		0 Min		
	iv) Wating 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	Suplying 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)				
	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

प्रतिवेदन

कार्य का नाम :- लखनपुर से बगडीहा भाया पिपरा सिंगाही पथ।

शीर्ष :- FDR

पथ की लम्बाई:- 8.550 कि०मी०

प्राक्कलित राशि:- 5.922 लाख।

प्रखण्ड का नाम:- पानापुर।

जिला-सारण।

प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत वर्ष/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 5.92200 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।


21.9.2021

कनीय अभियंता,


20.9.21

सहायक अभियंता

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

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - E.C. R.W.D, madhauri
2. Name of Block/Road - Lakhanpur to Begdoh
Block - Poonapur

A. For Road

1. Damage Location/Chainage : 950M
2. Damage Length : 20M
3. Nature of Damage : Cutting due to R.W.D.
4. Details of Restoration Works :
 - i. Material being used in Restoration works : Gravel Bats
 - ii. Equipments/Tools being used in Restoration works:
 - iii. Procedure taken up in Restoration works :
 - iv. Restored Length : 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.

24.1.2021
Signature of JE/AE/EE

24.1.2021
Signature

(Name of Inspector)



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From Lakhampur To Bagaha via Ripra Singahi		
DISTRICT	Saran		
BLOCK	Parnapur		
LENGTH OF ROAD	8.550	KM	
ESTIMATED COST	5.922	Lac	

FDR

GENERAL ABSTRACT OF COST

Block: Pamapur

District: Saran

Length of Road: 8.550 KM

Name of Road: Lakham pur to Bagdehs via Pipra Singahi

SL. No.	Amount
A ESTIMATED COST	5.922 Lakh
TOTAL	5.922 Lakh

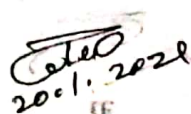
Catoul
20.1.2021
J. S.

Qp
20/01/21
Asst Engrg.

Executive Engineer.

Technically sanctioned Rs Rs 5922000 (Rupees five lakh
Ninty two thousand two hundred) only.

1/1
S. E. 20.1.21
R. M. D.
Chhapra.

Name of Road :-		Side of Road from the road :-		Block :-	Faralya
Particulars :-		Particulars :-			
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	275.00	2153.51	592215.00
TOTAL COST =					592215.00
 JE RWD  RWD EE RWD					

Name of Road :- Lakhampur To Bagdaha via Pipra Singar
Singar Path
Block :- Panapur.

ANNEXTURE

Description	No.	Length	Width	Depth	Unit	Quantity	Remarks
950mm	1	20	5.00	2.75	m ³	275 m ³	
						275 m ³	

Jed
20.1.2021
J.E

Ap
20/02/21
A.E

E.E
R.N.D
Mathura

Brick Bats Pitching Manual Means

	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs.
6.6.1 WRD Bihar	Labour for dry graded jhama khaa falter 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 Cum				322.27
RCO	Cost of haulage Excluding Loading and Unloading				
	Haulage of Materials By Tractor Excluding Cost Of loading, unloading and stacking				
	1 km / 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	0.687	549.10	368.25
	Time Taken For empty return trip	hour	0.400	549.10	219.84
	b) Overhead Charges @ 0.06 on (a)				35.15
	Cost for 36 t.km = (a+b+c)/36				821.04
	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 0.60	hour	0.500	549.10	274.55
	b) Overhead Charges @ 0.06 on (a)				43.92
	Cost for 36 t.km = (a+b+c)/36				775.87
	Rate per t.km = (a+b+c)/3623.34				21.55
	Say RS.-				21.55

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				
Mazda	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				410.39
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)				
$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 21.55) + 182.39$				410.07
C Cost of Labour for Picking and Light Ramming as per WRD SOP 6.6.1 (with OH)				322.27
Total (A+B+C)				1810.36
Add 1% Labour Cost (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