

RURAL WORKS DEPARTMENT

GOVT OF BIHAR



NAME OF WORKS :-

Matiyari Rahikpur to Darshna Path

BLOCK :-

Jokihat

FDR

Rs. 5757247.53

YEAR(2021-22)

R.W.D., WORKS CIRCLE, Kishanganj

R.W.D., WORKS DIVISION, Araria

ग्रामीण कार्य विभाग
बिहार, सरकार

पत्रांक - मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937 पटना, दिनांक 07/07/2021

प्रेषक,

पंकज कुमार पाल (गा0प्र0से0)
सचिव

सेवा में,

सभी कार्यपालक अभियंता
ग्रामीण कार्य विभाग,

विषय- बाढ़ अतिवृष्टि से क्षतिग्रस्त पथों/पुलियों को यातायात लायक (Motorable) करने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में निदेश दिया जाता है कि प्रमंडल अन्तर्गत सभी अभियंता बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों का शत प्रतिशत निरीक्षण करेंगे। पथों/पुलियों के क्षतिग्रस्त भाग से पानी उतरते ही उसे यातायात लायक बनाने की कारवाई एवं Motorable किये जाने से पहले तथा Motorable कार्य के बाद का Real time, Geo tagged photographs को MIS पर तत्क्षण अपलोड किया जाना सुनिश्चित करेंगे। इन कार्यों को कराने हेतु कार्यपालक अभियंता पूर्ण रूप से जिम्मेवार होंगे। कार्य न कराने की स्थिति में उनके विरुद्ध अनुशासनिक कार्रवाई की बाध्यता होगी।

विश्वासभाजन

(पंकज कुमार पाल)

सचिव

ज्ञापांक- मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/7/2021

प्रतिलिपि:-सभी अधीक्षण अभियंता को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। साथ ही उन्हें निदेश दिया जाता है कि वे लगातार अनुश्रवण एवं निरीक्षण करते हुए क्षतिग्रस्त भाग को अतिशीघ्र यातायात लायक बनवाने की कार्रवाई सुनिश्चित करेंगे।

सचिव

ज्ञापांक-मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/7/2021

प्रतिलिपि:-सभी मुख्य अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं लगातार अनुश्रवण करने हेतु प्रेषित।

सचिव

प्रतिवेदन

पथ का नाम :- ग्रामिणी रोडकुचर से दर्शना पथ
कार्य का नाम :-

में बाढ़ से क्षतिग्रस्त भाग में यातायात चालू करने का कार्य।

संलग्न प्राक्कलन 14.07.2021 को प्रखण्ड में आयी भीषण बाढ़ से क्षतिग्रस्त ग्रामिणी रोडकुचर से दर्शना पथ
में बाढ़ क्षतिग्रस्त मरम्मति मद से यातायात चालू करने हेतु तैयार किया गया है
जिसकी प्राक्कलित लागत 57.572 लाख है।

उक्त पथ का निर्माण MR.3054 योनान्तर्गत हुआ है एवं योजना अनुरक्षण
अवधि में है। पथ के कटे (क्षतिग्रस्त)

भाग में आवश्यकता अनुसार Hume Pipe, Bamboo, लोकल बालू एवं Brick Bats देने के बाद
यातायात चालू कराया गया है। पथ के विभिन्न हिस्से में कराये गये कार्य का विवरणी स्पष्ट
रूप से प्राक्कलन में दर्शाया गया है।

प्राक्कलन मदों का दर वर्तमान अनुसूचित दर के अनुरूप है।

20/12/21

कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा,

20.12.2021

सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल, जोकिदा

20/12/21

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल,

Inspection Report for Flood Damage Work

1. Name of PIUs

: EE. R.W.D. Work's Div. Angadig

2. Name Of Block / Road

: Jokibat / Matiyari Rahzakupur to Darshna Path

A. For Road

1. Damage Location / Chainage

: Ch-550m.

2. Damage Length

: 157.0m

3. Nature Of Damage

:

4. Details Of Restoration

: Crust Damaged.

i) Material Being Used In Restoration

: Local Sand, Bamboo, EC. Bag, Brick Bats

ii) Equipment / Tools Being Used In Restoration Works

: Tractor with Tolly

iii) Procedure Taken Up In Restoration Works

: filling all damaged portion of crust and flank with above materials.

iv) Restored Length

: 157.0m

B. For Bridge

1. Damage Location / Chainage

:

2. Damage Length

:

3. Nature Of Damage

:

4. Details Of Restoration

:

i) Material Being Used In Restoration

:

NA

ii) Equipment / Tools Being Used in Restoration Works

:

iii) Procedure Taken Up In Restoration Works

:

iv) Restored Length

:

Work found satisfactory

Signature

Executive Engineer
(Name Of Inspector)
R.W.D. (W) DIVISION
Kishanganj-2

Signature of JE / AE / EE

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-	Matiyari Rahikpur to Darshna Path	
DISTRICT :-	Araria	
BLOCK :-	Jokihat	
Length of Road:-	2.548km 7.46 KM	
Length of Cutting:-	157.0Mtr 133M	
Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
Phase-1 & Phase-2		
1	Filling of local sand	2048466.55
2	Labour for cutting 62mm to 75mm dia bamboo	233178.60
3	Labour for fitting 62mm to 75mm dia bamboo	47045.88
4	Labour for filling empty cement bags with local sand Nylon crate	0.00
5	Supplying of EC bag, of local sand	1635061.82
6	Supply and Carriage of brick bats	1019153.82
7	Supply, laying and carriage of 1000 mm HPC	0.00
8	Granular Sub-base	0.00
	SUB TOTAL COST =	4982906.67
	ADD GST @12% =	597948.80
	Add Labour cess @ 1% =	49829.07
	Seigniorage Fees @10% =	126563.00
	TOTAL (RS.) =	5757248

J.E 20/12/21

A.E 20.12.21

E.E 20/12/21

Ref. E.E. Letter No. 1457 Dt. 28.04.22

Technically Sanctioned For Rs. S.E 57,57,248=00

(Rupees...fifty seven, Lac, fifty seven thousand)

29/4/22

Two hundred forty eight ———— Only

28/4/22

Superintending Engineer
Rural Works Department
Work Circle Kishanganj

ESTIMATE FOR REPAIRING / RESTORATION/ MAKING MOTORABLE ROADS DAMAGED DURING FLOOD

Phaes-1

NAME OF ROAD :-		Matiyari Rahikpur to Darshna Path							
DISTRICT :-		Araria							
BLOCK :-		Jokihat							
Length of Cutting:-		121.00 Mtr							
Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge								
	At ch -550 m	cum	1	121.00	(2.5+4.5)/3	(2.5+3.85+2.85)/3	865.82		
		cum					865.82	514.43	445404.93
				total qty :-					
2	Labour for cutting 62 mm to 75mm dia bamboo piles to size and making shoes & driving by jet machine etc. all complete job as per specification & direction of Engineer- in -charge.								
	At ch -550 m		1	403.33	4.50		1815.00		
		Mtr.					1815.00	55.40	100,551.00
				total qty:-					
3	Labour for fitting & fixing 62 mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I wire including cost of G.I wire or nails etc all complete job as per specification & direction of Engineer-in-charge.								
	At ch -550 m		1	6.00	121.00		726.00		
		Mtr.					726.00	30.87	22411.62
				total qty :-					
4	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.								
	At ch -550 m	cum	1	121.00	(2.5+1.25)/2	(2.25+3.55+2.45)/3	623.91		
	Total No of E C Bags(3.4cum=100Bags) =			623.91	/	0.034	18350.00		
		Each		Say No of Bage :-			18350.00	38.03	697850.500

ESTIMATE FOR REPAIRING / RESTORATION/ MAKING MOTORABLE ROADS DAMAGED DURING FLOOD

Phaes-2

NAME OF ROAD :-		Matiyari Rahikpur to Darshna Path									
DISTRICT :-		Araria									
BLOCK :-		Jokihat									
Length of Cutting:-		133.00 m									
Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)		
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge										
	At ch:-550 m	cum	1	133.00	(6.5+4.85+3.5)/3	(4.5+5.85+3.85)/3	3116.19				
		cum		total qty :-			3116.19	514.43	1603061.62		

Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
2	Labour for cutting 62 mm to 75mm dia bamboo piles to size and making shoes & driving by jet machine etc. all complete job as per specification & direction of Engineer- in -charge.								
	At ch:-550 m		1	532.00	4.50		2394.00		
		Mtr.			total qty:-		2394.00	55.40	132,627.60
3	Labour for fitting & fixing 62 mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I wire including cost of G.I wire or nails etc all complete job as per specification & direction of Engineer-in-charge.								
	At ch:-550 m		1	6.00	133.00		798.00		
		Mtr.			total qty :-		798.00	30.87	24634.26
4	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.								
	At ch:-550 m	cum	1	133.00	(2.25+1.75)/2	(2.85+3.85+2.75)/3	837.90		
	Total No of E C Bags(3.4cum=100Bags) =			837.90	/	0.034	24644.00		
		Each			Say No of Bage :-		24644.00	38.03	937211.320
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.								
	At ch:-550 m	cum	1	133.00	(3.5+4.5)/2	(0.65+1.25+0.75)/3	469.93		

Calculation of Seigniorage Fees

Calculation of Seigniorage Fees					
NAME OF ROAD :-		Matiyari Rahikpur to Darshna Path			
DISTRICT :-		Araria			
BLOCK :-		Jokihat			
Sl. No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge	3982.01	CUM	141.85	564848.43
2	Labour for fitting empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m X 1 m X 1 m)with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I	0.00	CUM	141.85	0.00
3	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	1461.80	CUM	141.85	207355.76
4	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	469.93	CUM	1050.00	493430.00
5	Granular Sub-base with Well Graded Material (Table 400.1)				
		0.00	CUM	384.12	0.00
		A) SUB TOTAL =			1265634.20
	Seigniorage Fees @10% of Basic Amount =				126563

J.E

A.E

[Signature]

Bill of Quantity**Phase-1 & Phase-2**

NAME OF ROAD :-		Matiyari Rahikpur to Darshna Path		
DISTRICT :-		Araria		
BLOCK :-		Jokihat		
Sl. No.	DESCRIPTION OF ITEMS	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge	3982.01	514.43	2048466.55
2	Labour for cutting 62 mm to 75mm dia bamboo piles to size and making shoes & driving by jet machine etc. all complete job as per specification & direction of Engineer- in -charge.	4209.00	55.40	233178.60
3	Labour for fitting & fixing 62 mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I wire including cost of G.I wire or nails etc all complete job as per specification & direction of Engineer-in-charge.	1524.00	30.87	47045.88
4	Labour for fitting empty cement bags with local sand, stitching the bags and placing in Nylon crate of size (1 m X 1 m X 1 m)with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I	0.00	1249.46	0.00
5	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	42994.00	38.03	1635061.82
6	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	469.93	2168.72	1019153.82

7	Supplaying and carriage of hume pipe 1000 mm dia , all complete job.	0.00	4425.07	0.00
8	Granular Sub-base with Well Graded Material (Table 400.1)	0.00	2,564.86	0.00
		A) SUB TOTAL =		4982906.67
		TOTAL COST =		4982907


J.E 20/12/21


20.12.2021
A.E


E.E

RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL

Name of Road

Matiyari Rahikpur to Darshna Path

DISTRICT :- Araria

Block

:-

Jokihat

Sr. No.	Description of Items	Source	Unit	Carriage By Tractor			Capacity	Haulage	Lead	Total	Loading + Unloading	Rail Carriage	Carriage Cost
				Capacity	Haulage	Lead							
1	Hume Pipe 1000 mm Dia	Purnia	M	8/22.5	6.83	115	8/22.5	16.54	0.00	0.00	70.46		698.82
2	Hume Pipe 600 mm Dia	Purnia	M	8/52.50	6.83	115	8/52.50	16.54	0.00	0.00	30.20		149.89
3	Bamboo	Local	% Nos	3.60/1.35	17.03	5	3.60/1.35	26.60	5.00	354.67	2224.00		2805.73
4	E.C Bag	Local	cum	3.60/2.25	17.03	2	3.60/2.25	26.60	1	42.56	97.82		194.88
5	Stone Metal gr-II	Mirzachowki	cum	8/4.99	6.83	120	8/4.99	16.54	0.00	0.00	180.88		1494.87
6	Stone Metal gr-II	Mirzachowki	cum	8/4.99	6.83	120	8/4.99	16.54	0	0.00	180.88		1494.87
7	Brick Bats	Local	800 Nos	3.60/2.25	17.03	7	3.60/2.25	26.60	1	42.56	180.88		414.18
8	Local Sand	Local	cum	3.60/2.25	17.03	2	3.60/2.25	26.60	1	42.56	97.82		194.88

J.E. 20/12/21
RWD (W) DIVISION
Araria

20.12.2021
Assistant Engineer
RWD (W) DIVISION
Araria

Executive Engineer
RWD (W) DIVISION
Araria