

# **RURAL WORKS DEPARTMENT**

## **GOVT OF BIHAR**



NAME OF WORKS :-

Palasi Madnapur Kursailgaht Part-A

BLOCK :-

Araria

**FDR**

Rs. 7129636.46

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 यातयात 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 कारवाई 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

## Inspection Report for Flood Damage Work

1. Name of PIUs : EE RWD (W) Division, Araria
2. Name Of Block / Road : Araria / Palani Madampur Kursailgah  
Part - A
- A. For Road
1. Damage Location / Chainage : of ch - 1500M, 1500M, 1500M and 1500M
2. Damage Length : 117 Mtr
3. Nature Of Damage : Flood
4. Details Of Restoration :
- i) Material Being Used In Restoration : Local sand, bamboo, EC bag, Neocarabe and Brick bats.
- ii) Equipment / Tools Being Used In Restoration Works : Tractors with trolley
- iii) Procedure Taken Up In Restoration Works : Manual
- iv) Restored Length : 117 Mtr

### B. For Bridge

1. Damage Location / Chainage : 1500 M
2. Damage Length : 117
3. Nature Of Damage : Approach
4. Details Of Restoration : c/sand, bamboo, EC, bag, Neocarabe & bricks
- i) Material Being Used In Restoration : c/sand, bamboo, EC bag, Neocarabe & bricks
- ii) Equipment / Tools Being Used in Restoration Works : Tractor with trolley
- iii) Procedure Taken Up In Restoration Works : manual
- iv) Restored Length : 117 M

Found satisfactory

Signature

Signature

Executive Engineer  
(Name Of Inspector)  
RWD (W) DIVISION  
Kishanganj-2

Signature of JE / AE / EE

Signature of JE / AE / EE



# SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- Palasi Madnapur Kursailgaht Part-A

DISTRICT :- Araria

BLOCK :- Araria

Length of Road:- 16.60km

Length of Cutting:- 145.80Mtr 117 Mtr

Sl. No.

DESCRIPTION

AMOUNT  
(LAKHS)

## Phase-2

1	Filling of local sand	1756649.84
2	Labour for cutting 62mm to 75mm dia bamboo	282540.00
3	Labour for fitting 62mm to 75mm dia bamboo	20991.60
4	Labour for filling empty cement bags with local sand Nylon crate	1149503.20
5	Supplying of EC bag, of local sand	1458184.29
6	Supply and Carriage of brick bats	1514534.65
7	Supply, laying and carriage of 1000 mm HPC	0.00
8	Granular Sub-base	0.00

SUB TOTAL COST = 6182403.58

ADD GST @12% = 741888.43

Add Labour cess @ 1%= 61824.04

Seigniorage Fees @10%= 143520.41

TOTAL (RS.) = 7129636

J.E

A.E

E.E

Ref. E.E. Letter No. 1457 Dt. 28/4/22

Technically Sanctioned For Rs. 71,29,636.00

(Rupees. Seventy one lakh twenty nine

thousand Six hundred thirty eight Only)

29/4/22

AG

29/4/22

अधीक्षण अभियन्ता  
ग्रामीण कार्य विभाग  
कार्य अंचल, किशनगंज


# Bill of Quantity

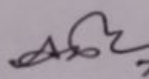
NAME OF ROAD :- Palasi Madnapur Kursailgaht Part-A


DISTRICT :- Araria

BLOCK :- Araria

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	3414.75	cum	514.43	1755649.84
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.	5100.00	m	55.40	282540.00
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.	680.00	m	30.87	20991.60
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	920.00	no	1249.46	1149503.20
5	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	38343.00	no	38.03	1458184.29
6	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	698.35	cum	2168.72	1514534.65
A) SUB TOTAL =					6182403.58
TOTAL COST =					6182404

  
28/12/21  
J.E

  
28/12/21  
A.E

  
E.E



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

Phaes-2

NAME OF ROAD :-		Palasi Madnapur Kursailgaht Part-A									
DISTRICT :-		Araria									
BLOCK :-		Araria									
Length of Cutting:-		323.00 Km 117 Mts									
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:-1500 m	cum	1	15.00	(8+10.5)/2	(4.5+5.5+4.85)/3	686.81				
	At ch:-1500 m	cum	1	10.00	(8+10.5)/2	(4.5+5.5+4.85)/3	457.88				
	At ch:-1500 m	cum	1	7.00	(6+8.5)/2	(2.75+4.65+2.85)/3	173.40				
	At ch:-1900 m	cum	2	85.00	(3.5+4.5)/2	(2.75+3.65+2.85)/3	2096.67				
	At ch:-1100 m	cum	0	206.00	5.50	1.48	0.00				
		cum	total qty :-				3414.75	514.43	1756649.84		

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:-1500 m		2	566.67	4.50		5100.00		
		Mtr.			total qty:-		5100.00	55.40	282,540.00
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:-1500 m		2	4.00	85.00		680.00		
		Mtr.			total qty :-		680.00	30.87	20991.60
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								
	At ch:-1500 m		1	16	(8.5+10.5)/2	(3.5+4.5+4.85)/3	651.07		
							651.07		
	No of Each Bags		651.07		X	35.315	22992.42		
	No of Nylon crate =(No of bags X 25)			22992.42	/	25	920.00		
		No			total qty :-		920.00	1249.46	1149503.20
5	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.								
	At ch:-1500 m	cum	1	16.00	(6.5+8.5)/2	(2.85+3.95+2.7)/3	380.00		
	At ch:-1500 m	cum	2	85.00	(2.5+1.5)/2	(2.65+3.25+2.25)/3	923.67		
	Total No of E C Bags(3.4cum=100Bags) =			1303.67	/	0.034	38343.00		
		Each			Say No of Bage :-		38343.00	38.03	1458184.290



Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
6	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.								
	At ch:-1500 m	cum	1	15.00	(2+3.5)/2	(0.65+1.5+0.85)/3	41.25		
	At ch:-1500 m	cum	1	10.00	(2+3.5)/2	(0.75+1.5+0.85)/3	28.42		
	At ch:-1500 m	cum	1	7.00	(5+6.5)/2	(0.75+1.65+0.85)/3	43.60		
	At ch:-1900 m	cum	2	85.00	(3.5+3.5)/2	(0.75+1.35+0.85)/3	585.08		
	At ch:-1100 m	cum	0	206.00	5.50	0.35	0.00		
		cum	total qty :-				698.35	2,168.72	1514534.65
								A) SUB TOTAL =	6182403.58
								TOTAL COST =	6182403.58
	Junior Engineer								

*[Signature]*  
Asstt. Engineer

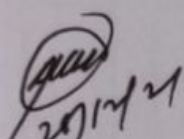
*[Signature]*  
Executive Engineer

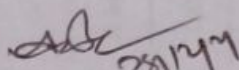
S.E  
Kishanganj

*[Signature]*  
20/12/24

## Calculation of Seigniorage Fees

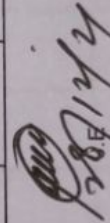
NAME OF ROAD :-		Palasi Madnapur Kursailgaht Part-A			
DISTRICT :-		Araria			
BLOCK :-		Araria			
Sl. No.	DESCRIPTION OF ITEMS	QUANTITY	Unit	RATE (Rs.)	AMOUNT (Rs.)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge	3414.75	cum	141.85	484382.29
2	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	230.00	cum	141.85	32625.50
3	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	1303.66	cum	141.85	184924.45
4	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	698.35	cum	1050.00	733271.88
		A) SUB TOTAL =			1435204.12
		Seigniorage Fees @10% of Basic Amount =			143520

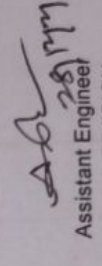
  
J.E

  
A.E

E.E

RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL													
				Name of Road		Palasi Madnapur Kursailgaht Part-A							
DISTRICT :-				Araria		Block		:-		Araria			
Sr. No.	Description of Items	Source	Unit	Caopacity	Haulage	Lead	Total	Capacity	Haulage	Lead	Total	Loading + Unloading	Rail Carriage Cost
1	Hume Pipe 1000 mm Dia	Purnia	M	8/22.5	6.83	115	628.36	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	119.69	8/52.50	16.54	0.00	0.00	30.20	149.89
3	Bamboo	Local	% Nos	3.60/1.35	17.03	5	227.07	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	54.50	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	1313.99	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	1313.99	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	190.74	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	54.50	3.60/2.25	26.60	1	42.56	97.82	194.88

  
 28.7/24  
 Assistant Engineer  
 RWD (W) DIVISION  
 Araria

  
 28.7/24  
 Assistant Engineer  
 RWD (W) DIVISION  
 Araria

Executive Engineer  
 RWD (W) DIVISION  
 Araria