

RURAL WORKS DEPARTMENT

GOVT OF BIHAR



NAME OF WORKS :- Surgawan to Dhangama via Sota

DIST:- Araria

BLOCK :- Kursakanta

FDR

Rs. 5439237.26

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 (भा0प्र0से0)
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 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, Anarica

2. Name Of Block / Road

: Kurusakanta / Surgawam to Dhangama
Via Sufa

A. For Road

1. Damage Location / Chainage

: CH-1000M and 1100M, 1150M, 1500M, 1650M, 2400M, 200M

2. Damage Length

: 207 M

3. Nature Of Damage

: cutting of Road (wash out)

4. Details Of Restoration

2

i) Material Being Used In Restoration

: Local sand, bamboo, Ec bag, Brick bats and H.P culvert.

ii) Equipment / Tools Being Used In Restoration Works

- Tractors with trailer

iii) Procedure Taken Up In Restoration Works

: Manual

iv) Restored Length

: 207M

B. For Bridge

1. Damage Location / Chainage

:

2. Damage Length

•

3. Nature Of Damage

•

•

4.Details Of Restoration

•

i) Material Being Used In Restoration

•

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)
Kishanganj-2

Signature of JE / AE / EE

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-	Surgawan to Dhangama via Sota	
DISTRICT :-	Araria	
BLOCK :-	Kursakanta	
Length of Road:-	2.486km	
Length of Cutting:-	207Mtr	
Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	Filling of local sand	2003330.13
2	Labour for cutting 62mm to 75mm dia bamboo	260518.50
3	Labour for fitting 62mm to 75mm dia bamboo	32089.37
4	Labour for filling empty cement bags with local sand Nylon crate	0.00
5	Supplying of EC bag, of local sand	596880.85
6	Supply and Carriage of brick bats	1692980.54
7	Supply, laying and carriage of 1000 mm HPC	99564.08
8	Granular Sub-base	0.00
	SUB TOTAL COST =	4685363.47
	ADD GST @12% =	562243.62
	Add Labour cess @ 1% =	46853.63
	Seigniorage Fees @10% =	144776.55
	TOTAL (RS.) =	5439237

28/12/24

J.E

A.E

E.E

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

Technically Sanctioned For Rs. 54,39,237.00

(Rupees. Fifty four lacs thirty nine thousand

two hundred thirty seven thousand

28/4/22
AG

28/4/22

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

Phaes-1

NAME OF ROAD :-		Surgawan to Dhangama via Sota							
DISTRICT :-		Araria							
BLOCK :-		Kursakanta							
Length of Cutting:-		207Mtr							
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:-200M	cum	1	8.00	(2.5+3.5)/2	(0.8+1.25+0.9)/3	23.60		
	At ch:-1000M	cum	1	12.50	(4+6.5)/2	(0.75+0.95+0.85)/3	55.78		
	At ch:-1100M	cum	2	34.50	(4.5+6.5)/2	(2.6+2.85+2.5)/3	1005.68		
	At ch:-1150M	cum	2	26.00	(2+2.5)/2	(1.8+2.95+1.85)/3	257.40		
	At ch:-1150M	cum	2	15.00	(2.5+3.5)/2	(2.45+2.95+2.85)/3	247.50		
	At ch:-1150M	cum	1	22.00	(5.5+7.5)/2	(0.8+1.15+0.9)/3	135.85		
	At ch:-1500M	cum	1	5.00	(2.5+3.5)/2	(0.75+0.95+0.85)/3	12.75		
	At ch:-1650M	cum	1	20.00	(2.5+3.5)/2	(1+1.5+1.25)/3	75.00		
	At ch:-2400M	cum	2	64.00	(5.5+7.5)/2	(2.8+2.95+1.85)/3	2107.73		
	Deductionfor H.P 1000MM dia (1.23 x 1.23)=1.52	cum	3	0.79	1.52	7.50	27.02		
		cum			total qty :-		3894.27	514.43	2003330.13

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:-1000M		1	50.00	4.50		225.00		
	At ch:-1100M		2	60.00	4.50		540.00		
	At ch:-1115M(LHS)		1	136.67	4.50		615.00		
	At ch:-1115M(RHS)		1	140.00	4.50		630.00		
	At ch:-1150M		1	130.00	4.50		585.00		
	At ch:-1150M		1	75.00	4.50		337.50		
	At ch:-1150M		2	146.67	4.50		1320.00		
	At ch:-1650M		1	100.00	4.50		450.00		
	Mtr.			total qty:-			4702.50	55.40	260,518.50
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:-1000M		1	5.00	12.50		62.50		
	At ch:-1100M		2	6.00	15.00		180.00		
	At ch:-1115M(LHS)		1	4.00	20.50		82.00		
	At ch:-1115M(RHS)		1	5.00	28.00		140.00		
	At ch:-1150M		1	6.00	26.00		156.00		
	At ch:-1150M		1	5.00	15.00		75.00		
	At ch:-1150M		2	6.00	22.00		264.00		
	At ch:-1650M		1	4.00	20.00		80.00		
	Mtr.			total qty :-			1039.50	30.87	32089.37
4	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.								
	At ch:-1000M	cum	1	12.50	(1.65+0.9)/2	(1.75+2.25+2.85)/3	36.39		

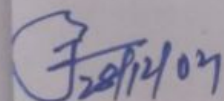
Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
	At ch:-1100M	cum	2	15.00	(1.5+0.9)/2	(1.65+2.55+2.85)/3	84.60		
	At ch:-1115M(LHS)	✓ cum	1	20.50	(1.45+0.9)/2	(1.75+2.5+2.85)/3	57.01		
	At ch:-1115M(RHS)	✓ cum	1	28.00	(1.25+0.9)/2	(1.75+2.45+2.5)/3	67.22		
	At ch:-1150M	✓ cum	1	26.00	(1.35+0.9)/2	(1.75+2.25+2.85)/3	66.79		
	At ch:-1150M	✓ cum	1	15.00	(1.5+0.9)/2	(1.65+2.55+2.85)/3	42.30		
	At ch:-1150M	✓ cum	2	22.00	(1.45+0.9)/2	(1.75+2.5+2.85)/3	122.36		
	At ch:-1650M	cum	1	20.00	(1.65+0.9)/2	(1.75+2.45+2.5)/3	56.95		
	Total No of E C Bags(3.4cum=100Bags) =			533.62	/	0.034	15695.00		
		Each		Say No of Bage :-				38.03	596880.850
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.								
	At ch:-200M	✓ cum	1	8.00	(2.5+2.5)/2	(0.35+0.4+0.25)/3	6.67		
	At ch:-1000M	✓ cum	1	12.50	(4+5.5)/2	(0.25+0.4+0.3)/3	18.80		
	At ch:-1100M	✓ cum	2	34.50	(4.5+5.5)/2	(0.45+0.76+0.35)/3	179.40		
	At ch:-1150M	✓ cum	2	26.00	(2.5+3)/2	(0.3+0.76+0.45)/3	71.98		
	At ch:-1150M	✓ cum	2	15.00	(2.5+3)/2	(0.45+0.6+0.35)/3	38.50		
	At ch:-1150M	✓ cum	1	22.00	(5.5+6.5)/2	(0.25+0.35+0.4)/3	44.00		
	At ch:-1500M	cum	1	5.00	(2.5+2.85)/2	(0.5+0.6+0.45)/3	6.91		
	At ch:-1650M	cum	1	20.00	(2.5+2.85)/2	(0.45+0.76+0.35)/3	27.82		

Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
	At ch:-2400M	cum	2	64.00	(5.5+6.5)/2	(0.3+0.76+0.45)/3	386.56		
		cum	total qty :-				780.64	2,168.72	1692980.54
6	Supplaying and carriage of hume pipe 1000 mm dia , all complete job.								
	At ch:-2400M	RM	3	3	2.5		22.50		
		RM	total qty :-				22.50	4,425.07	99564.08
							A) SUB TOTAL =		4685363.47
							TOTAL COST =		4685363.47
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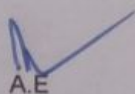
S.E
Kishanganj

Calculation of Seigniorage Fees

NAME OF ROAD :-		Surgawan to Dhangama via Sota			
DISTRICT :-		Araria			
BLOCK :-		Kursakanta			
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	3894.27	cum	141.85	552402.42
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	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.	533.63	cum	141.85	75695.42
4	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	780.64	cum	1050.00	819667.63
5	Granular Sub-base with Well Graded Material (Table 400.1)	0.00	cum	384.12	0.00
		A) SUB TOTAL =			1447765.46
		Seigniorage Fees @10% of Basic Amount =			144777



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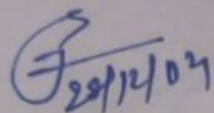
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Bill of Quantity**0**

NAME OF ROAD :-		Surgawan to Dhangama via Sota		
DISTRICT :-		Araria		
BLOCK :-		Kursakanta		
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	3894.27	514.43	2003330.13
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.	4702.50	55.40	260518.50
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.	1039.50	30.87	32089.37
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.	15695.00	38.03	596880.85
6	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	780.64	2168.72	1692980.54

7	Supplaying and carriage of hume pipe 1000 mm dia , all complete job.	22.50	4425.07	99564.08
8	Granular Sub-base with Well Graded Material (Table 400.1)	0.00	2,564.86	0.00
		A) SUB TOTAL =		4685363.47
		TOTAL COST =		4685363

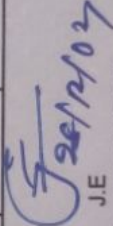

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RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL

			Name of Road			Block			:-			Kursakanta			Surgawan to Dhangama via Sota		
DISTRICT :-			Araria			Block			:-			Kursakanta			Surgawan to Dhangama via Sota		
Sr. No.	Description of Items	Source	Unit	Capacity	Haulage	Lead	Carriage By Tractor			Total	Capacity	Haulage	Lead	Total	Loading + Unloading	Rail Carriage	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


 J.E.
 RWD (W) DIVISION
 Araria

Assistant Engineer
 RWD (W) DIVISION
 Araria

Executive Engineer
 RWD (W) DIVISION
 Araria