

RURAL WORKS DEPARTMENT

GOVT OF BIHAR



NAME OF WORKS :-

Sindhiya tola Primary School to Damaily Pich Road

DISTRICT:-

Araria

BLOCK :-

Araria

FDR

Rs. 2952751.46

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 (पा0प्र0रो0)
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

ज्ञापक- 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

ज्ञापक-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 works Division, Aravali.
2. Name Of Block / Road : Sindhiya tola Primary School to Damaily Pitch Road.
Block - Aravali.
- A. For Road
1. Damage Location / Chainage : ch. 720, ch. 750, ch. 1500, ch. 1700.
2. Damage Length : 101.00 mtr.
3. Nature Of Damage : Flood.
4. Details Of Restoration :
- i) Material Being Used In Restoration : Sand, Bamboo, EC bags & Brick bats.
- ii) Equipment / Tools Being Used In Restoration Works : JCB, Trucker,
- iii) Procedure Taken Up In Restoration Works : Manual
- iv) Restored Length : 101.00 mtr.

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 :
- N/A.

work found Satisfactory

Signature of JE / AE / EE

Signature

Executive Engineer
(Name of Division)
R.W.D. (Kishanganj)-2

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-	Sindhiya tola Primary School to Damally Pich Road	
DISTRICT :-	Araria	
BLOCK :-	Araria	
Length of Road:-	1.786km	
Length of Cutting:-	101.00Mtr	
Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
Pheas-1&2		
1	Filling of local sand	756880.86
2	Labour for cutting 62mm to 75mm dia bamboo	134078.55
3	Labour for fitting 62mm to 75mm dia bamboo	23933.51
4	Labour for filling empty cement bags with local sand Nylon crate	0.00
5	Supplying of EC bag, of local sand	966228.21
6	Supply and Carriage of brick bats	673752.63
7	Supply, laying and carriage of 1000 mm HPC	0.00
8	Granular Sub-base	0.00
	SUB TOTAL COST =	2554873.76
	ADD GST @12% =	306584.85
	Add Labour cess @ 1%=	25548.74
	Seigniorage Fees @10%=	65744.11
	TOTAL (RS.) =	2952751

27/12/24
J.E

A.E 27/12/24

28/12/24
E.E

Ref. E.E. Letter No. 1457..... DL 28/12/24

Technically Sanctioned For Rs. 2952751.00

(Rupees) Twenty nine lakh fifty two

Thousand Seven hundred fifty one Only

29/12/24
A.E

Superintending Engineer
Rural Works Department
Work Circle Kishanganj

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

Phaes-1

NAME OF ROAD :-	Sindhya tola Primary School to Damail Pich Road						
TRICT :-	Araria						
CK :-	Araria						
Length of Cutting:-	91.20	Mtr					

DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge								
At ch.-720 m	cum	1	17.00	(2.5+3.5)/2	(1.5+2.5+1.25)/3	89.25		
At ch.-750 m	cum	1	17.20	(5+7.5)/2	(1.25+2.25+0.95)/3	159.46		
At ch.-1700 m	cum	1	45.50	(2.5+3.5)/2	(2.25+3.25+2.95)/3	384.48		
	cum			total qty :-		633.18	514.43	325728.50

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.-720 m		1	56.67	3.50		198.33		
At ch.-750 m		1	57.33	3.50		200.67		
At ch.-1700 m		1	151.67	3.50		530.83		
	Mtr.			total qty:-		929.83	55.40	51,512.77

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.-720 m		1	4.00	17.00		68.00		
At ch.-750 m		1	4.00	17.20		68.80		
At ch.-1700 m		1	5.00	45.50		227.50		
	Mtr.			total qty :-		364.30	30.87	11245.94

Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.

At ch.-720 m	cum	1	17.00	(1.5+1.75)/2	(1.85+3.25+2.7)/3	71.83		
At ch.-750 m	cum	1	17.20	(2.25+2.5)/2	(1.85+2.95+2.7)/3	102.13		
At ch.-1700 m	cum	1	45.50	(2+0.9)/2	(2.65+3.25+2.5)/3	184.73		
	cum	0	10.00	0.60	0.90	0.00		
Total No of E C Bags(3.4cum=100Bags) =			358.68	/	0.034	10549.00		
	Each			Say No of Bage :-		10549.00	38.03	401178.470

Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.

At ch.-720 m	cum	1	17.00	(2.5+3.5)/2	(0.5+0.75+0.45)/3	28.90		
At ch.-750 m	cum	1	17.20	(5+7.5)/2	(0.65+0.75+0.45)/3	66.29		
At ch.-1500 m	cum	1	4.50	(2.5+3.5)/2	(0.52+0.65+0.6)/3	7.97		
At ch.-1700 m	cum	1	45.50	(2.5+3.5)/2	(0.75+0.74+0.35)/3	83.72		
	cum			total qty :-		186.88	2,168.72	405283.16

A) SUB TOTAL = 1194948.84
TOTAL COST = 1194948.84

[Signature]
27/11/21
Junior Engineer

[Signature]
Asstt. Engineer

[Signature]
Executive Engineer

S E
Kishanganj

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

Phaes-2

NAME OF ROAD :-		Sindhya tola Primary School to Damally Pich Road							
DISTRICT :-		Araria							
BLOCK :-		Araria							
Length of Cutting:-		101.00 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:-800 m	cum	1	10.00	(3.5+4.5)/2	(1.5+3.5+1.85)/3	91.33		
	At ch:-900 m	cum	1	3.50	(3+4.5)/2	(1.5+2.85+1.45)/3	25.38		
	At ch:-1100 m	cum	1	30.00	(3.5+4.5)/2	(1.5+2.75+1.85)/3	244.00		
	At ch:-1500 m	cum	1	11.00	(1.5+2.5)/2	(1.5+1.75+1.85)/3	37.40		
	At ch:-1500 m	cum	1	11.50	(7.5+9.5)/2	(2.5+3.75+2.85)/3	296.51		
	At ch:-1700 m	cum	1	35.00	(2.5+3.5)/2	(0.5+1.75+1.85)/3	143.50		

No.	DESCRIPTION OF ITEMS	Unit	Qty	Rate	Amount	D (m)	QUANTITY	RATE (RS)	AMOUNT
	Deduction for H.P 1000MM dia (1.23 x 1.23) = 1.52	cum	0	0.79	1.52	5.00	0.00		
		cum			total qty :-		838.117	514.43	431152.36
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:-800 m		1	33.33	4.50		150.00		
	At ch:-900 m		1	11.67	4.50		52.50		
	At ch:-1100 m		1	100.00	4.50		450.00		
	At ch:-1500 m		1	36.67	4.50		165.00		
	At ch:-1500 m		1	32.86	4.50		147.86		
	At ch:-1700 m		1	116.67	4.50		525.00		
	Mtr.				total qty:-		1490.36	55.40	82,565.79
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:-800 m		1	4.00	10.00		40.00		
	At ch:-900 m		1	6.00	3.50		21.00		
	At ch:-1100 m		1	4.00	30.00		120.00		
	At ch:-1500 m		1	4.00	11.00		44.00		
	At ch:-1500 m		1	4.00	11.50		46.00		
	At ch:-1700 m		1	4.00	35.00		140.00		
	Mtr.				total qty :-		411.00	30.87	12687.57
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								

No.	DESCRIPTION OF ITEMS	Unit	Qty	D(m)	QUANTITY	RATE (RS.)	AMOUNT (RS.)
	Both Side		0	16	1.50	0.90	0.00
			0	11	1.50	1.50	0.00
			0	19.00	1.50	1.50	0.00
							0.00
	No of Each Bags		0	X	35.315	0.00	
	No of Nylon crate =(No of bags X 25)			/	25	0.00	
		No	total qty :-		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.						
	At ch:-800 m	cum	1	10.00	(1.5+1.75)/2	(1.85+3.25+2.7)/3	42.25
	At ch:-900 m	cum	1	3.50	(2.25+2.5)/2	(1.85+2.95+2.7)/3	20.78
	At ch:-1500 m	cum	1	11.00	(2+0.9)/2	(1.65+2.25+1.5)/3	28.71
	At ch:-1500 m	cum	1	11.50	(2.5+2.75)/2	(1.85+3.25+2.7)/3	78.49
	At ch:-1400 m	cum	0	7.00	(2+0.9)/2	(1.5+2.25+1.75)/3	0.00
	At ch:-1700 m	cum	1	35.00	(2+2.5)/2	(2.65+2.25+2.45)/3	192.94
	Total No of E C Bags(3.4cum=100Bags) =		505.17		/	0.034	14858.00
		Each	Say No of Bage :-		14858.00	38.03	565049.740
6	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.						
	At ch:-800 m	cum	1	10.00	(3.5+3.5)/2	(0.25+0.45+0.35)/3	12.25

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

NAME OF ROAD :- Sindhiya tola Primary School to Damally Pich Road

DISTRICT :- Araria

BLOCK :- Araria

DESCRIPTION OF ITEMS	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge	1471.30	514.43	756880.86
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.	2420.19	55.40	134078.55
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.	775.30	30.87	23933.51
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
Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	25407.00	38.03	966228.21
Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	310.67	2168.72	673752.63

Supplaying and carriage of hume pipe 1000 mm dia , all complete job.	0.00	4425.07	0.00
Granular Sub-base with Well Graded Material (Table 400.1)	0.00	2,564.86	0.00
	A) SUB TOTAL =		2554873.76
	TOTAL COST =		2554874

J.E
J.E 27/12/21

A.E
A.E 27/12/21

E.E
E.E 28/12