

RURAL WORKS DEPARTMENT

GOVT OF BIHAR



NAME OF WORKS :-

L030-Gaus Nagar to Gangai tola (vr30)

BLOCK :-

Kursakanta

FDR

Rs. 2632472.24

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 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 : E.E.R.W.D (W) division, Arasin.
2. Name Of Block / Road : Kussabanta/10-30 brass nagan to bangai Tola.

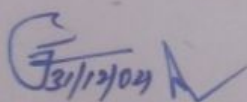
A. For Road

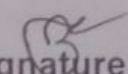
1. Damage Location / Chainage : CH. (200, 230, 250, 265, 300, 400) M
2. Damage Length : 182.54
3. Nature Of Damage : Frank & crust washed out.
4. Details Of Restoration :
i) Material Being Used In Restoration : Local sand, brick bat, F.C bag, bamboo, etc.
ii) Equipment / Tools Being Used In Restoration Works : Tractor & others.
iii) Procedure Taken Up In Restoration Works : Manual.
iv) Restored Length : 182.54

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 :

waste found satisfactory.


Signature of JE / AE / EE


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

SUMMARY OF COST ESTIMATE FOR THE PROJECT		
NAME OF ROAD :-	L030-Gaus Nagar to Gangai tola (vr30)	
DISTRICT :-	Araria	
BLOCK :-	Kursakanta	
Length of Road:-	2.985km	
Length of Cutting:-	182.0Mtr	
Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	Filling of local sand	467970.54
2	Labour for cutting 62mm to 75mm dia bamboo	41300.70
3	Labour for fitting 62mm to 75mm dia bamboo	23013.59
4	Labour for filling empty cement bags with local sand Nylon crate	0.00
5	Supplying of EC bag, of local sand	460124.97
6	Supply and Carriage of brick bats	1266369.83
7	Supply, laying and carriage of 1000 mm HPC	0.00
8	Granular Sub-base	0.00
	SUB TOTAL COST =	2258779.62
	ADD GST @12% =	271053.55
	Add Labour cess @ 1% =	22587.80
	Seigniorage Fees @10% =	80051.27
	TOTAL (RS.) =	2632472

[Signature]
28/12/21
J.E

[Signature]
A.E

[Signature]
28/12/21
E.E

Ref. E.E. Letter No. 1457 Dt. 28/04/22
S.E

Technically Sanctioned For Rs. 26,32,472

(Rupees) Twenty six lakhs thirty two

[Signature]
29/4/22
A.E

thousand four hundred seventy two Only
[Signature]

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

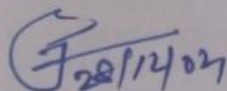
NAME OF ROAD :-		L030-Gaus Nagar to Gangai tola (vr30)							
DISTRICT :-		Araria							
BLOCK :-		Kursakanta							
Length of Cutting:-		182.00 Mtr							
Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge								
	At ch:-200 m	cum	1	30.00	(2.5+3.5)/2	(0.85+1.5+1.25)/3	108.00		
	At ch:-230 m	cum	1	16.00	(6+8.5)/2	(1.5+2+1.15)/3	179.80		
	At ch:-250 m	cum	1	15.00	(6+8.5)/2	(1+1.5+1.25)/3	135.94		
	At ch:-265 m	cum	1	17.00	(2.5+3.5)/2	(0.75+1.5+0.85)/3	52.70		
	At ch:-300 m	cum	1	90.00	(2.5+3.5)/2	(0.65+1.65+1.25)/3	319.50		
	At ch:-400 m	cum	1	14.00	(5.5+7.5)/2	(1+1.5+1.25)/3	113.75		
		cum	total qty :-					909.69	514.43
									467970.54

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:-200 m		1	28.00	3.50		98.00		
	At ch:-230 m		2	16.00	3.50		112.00		
	At ch:-250 m		2	11.00	3.50		77.00		
	At ch:-265 m		1	17.00	3.50		59.50		
	At ch:-300 m		1	90.00	3.50		315.00		
	At ch:-400 m		2	12.00	3.50		84.00		
		Mtr.		total qty:-			745.50	55.40	41,300.70
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:-200 m		1	28.00	3.50		98.00		
	At ch:-230 m		2	16.00	3.50		112.00		
	At ch:-250 m		2	11.00	3.50		77.00		
	At ch:-265 m		1	17.00	3.50		59.50		
	At ch:-300 m		1	90.00	3.50		315.00		
	At ch:-400 m		2	12.00	3.50		84.00		
		Mtr.		total qty :-			745.50	30.87	23013.59
5	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.								
	At ch:-200 m	cum	1	28.00	0.90	(2.25+1.85)/2	51.66		
	At ch:-230 m	cum	2	16.00	1.25	(2.25+1.85)/2	82.00		
	At ch:-250 m	cum	2	11.00	0.85	(1.35+1.85)/2	29.92		

Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
	At ch:-265 m	cum	1	17.00	1.15	$(1.25+1.85)/2$	30.30		
	At ch:-300 m	cum	1	90.00	0.90	$(2.5+1.5)/2$	162.00		
	At ch:-400 m	cum	2	12.00	1.25	$(2.25+1.45)/2$	55.50		
	Total No of E C Bags($3.4\text{cum}=100\text{Bags}$) =			411.38	/	0.034	12099.00		
		Each		Say No of Bage :-				38.03	460124.970
6	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.								
	At ch:-200 m	cum	1	30.00	$(2.5+2.5)/2$	$(0.85+1.5+0.85)/3$	80.00		
	At ch:-230 m	cum	1	16.00	$(6+7.5)/2$	$(0.85+1.5+0.75)/3$	111.60		
	At ch:-250 m	cum	1	15.00	$(6+7.5)/2$	$(0.65+1.5+0.65)/3$	94.50		
	At ch:-265 m	cum	1	17.00	$(2.5+2.5)/2$	$(0.75+1.25+0.85)/3$	40.38		
	At ch:-300 m	cum	1	90.00	$(2.5+2.5)/2$	$(0.65+1.25+0.45)/3$	176.25		
	At ch:-400 m	cum	1	14.00	$(5.5+6.5)/2$	$(0.8+1.15+0.95)/3$	81.20		

Calculation of Seigniorage Fees

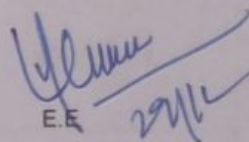
NAME OF ROAD :-		L030-Gaus Nagar to Gangai tola (vr30)			
DISTRICT :-		Araria			
BLOCK :-		Kursakanta			
Sl. No.	DESCRIPTION OF ITEMS	QUANTITY	unit	RATE (Rs.)	AMOUNT (Rs.)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge	909.69	cum	141.85	129039.17
2	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	411.37	cum	141.85	58352.27
3	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	583.93	cum	1050.00	613121.25
A) SUB TOTAL =					800512.69
Seigniorage Fees @10% of Basic Amount =					80051

 28/12/24

J.E



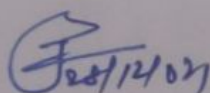
A.E

 29/12/24

E.E

Bill of Quantity

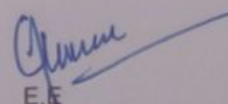
NAME OF ROAD :-		L030-Gaus Nagar to Gangai tola (vr30)		
DISTRICT :-		Araria		
BLOCK :-		Kursakanta		
Sl. No.	DESCRIPTION OF ITEMS	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge	909.69	514.43	467970.54
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.	745.50	55.40	41300.70
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.	745.50	30.87	23013.59
4	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	12099.00	38.03	460124.97
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	583.93	2168.72	1266369.83
		A) SUB TOTAL =		2258779.62
		TOTAL COST =		2258780



J.E



A.E



E.E

RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL												
DISTRICT :-			Araria			Name of Road			L030-Gaus Nagar to Gangai tola (vr30)			
						Block			Kursakanta			
						Carriage By Tractor						
Sr. No.	Description of Items	Source	Unit	Capacity	Haulage	Lead	Total	Capacity	Haulage	Lead	Total	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	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	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	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	194.88
5	Stone Metal gr-II	Mirzachowki	cum	8/4.99	6.83	120	1313.99	8/4.99	16.54	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	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	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	194.88

For

J.E
RWD (W) DIVISION
Araria

For
Assistant Engineer
RWD (W) DIVISION
Araria

Executive Engineer
RWD (W) DIVISION
Araria