

RURAL WORKS DEPARTMENT

GOVT OF BIHAR



NAME OF WORKS :-

Chargaria Rangdaha via Madhopara

BLOCK :-

Araria

FDR

Rs. 2748103.13

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 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

Inspection Report for Flood Damage Work

1. Name of PIUs : EE RND (W) Densim grava's
2. Name Of Block / Road : grava/changhau Rangdela is a mod kofu

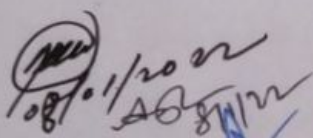
A. For Road

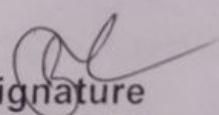
1. Damage Location / Chainage : 1500, 1900, 2100, 2800, 3200
2. Damage Length : 145.80 M
3. Nature Of Damage : Crush & plank wash out
4. Details Of Restoration : Local sand, Bamboo, Brick bats, HP
i) Material Being Used In Restoration : Tractor with folly & dhu
ii) Equipment / Tools Being Used In Restoration Works : Pulling all damage portion of crush & plank with above material
iii) Procedure Taken Up In Restoration Works :
iv) Restored Length : 145.80 M

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 :

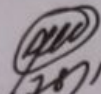
work found satisfactory

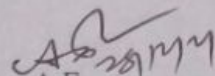

Signature of JE / AE / EE

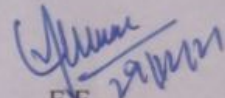

Signature
Executive Engineer
(Name Of Inspector)
Kishanganj-2

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-	Chargaria Rangdaha via Madhopara	
DISTRICT :-	Araria	
BLOCK :-	Araria	
Length of Road:-	5.0km	
Length of Cutting:-	145.80Mtr	
Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
Phase-1 & 2		
1	Filling of local sand	438043.79
2	Labour for cutting 62mm to 75mm dia bamboo	89504.24
3	Labour for fitting 62mm to 75mm dia bamboo	13919.28
4	Labour for filling empty cement bags with local sand Nylon crate	0.00
5	Supplying of EC bag, of local sand	692526.30
6	Supply and Carriage of brick bats	1055349.76
7	Supply, laying and carriage of 1000 mm HPC	33188.03
8	Granular Sub-base	45141.54
	SUB TOTAL COST =	2367672.93
	ADD GST @12% =	284120.75
	Add Labour cess @ 1%=	23676.73
	Seigniorage Fees @10%=	72632.72
	TOTAL (RS.) =	2748103


J.E.


A.E.


E.E.

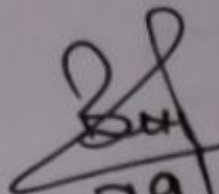
1457

28/4/22

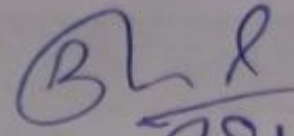
Technically Sanctioned For Rs. 27,48,103.00

(Rupees Twenty Seven Lacs Forty

Eight thousand one hundred three) Only


29/4/22

AG, circle


29/4/22

अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, किशनगंज

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

NAME OF ROAD :-

Chargaria Rangdaha via Madhopara

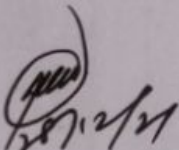
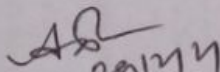
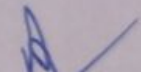
DISTRICT :-

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	851.51	cum	514.43	438043.79
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.	1615.60	m	55.40	89504.24
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.	450.90	m	30.87	13919.28
4	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	18210.00	no	38.03	692526.30
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	486.62	cum	2168.72	1055349.76
6	Supplaying and carriage of hume pipe 1000 mm dia , all complete job.	7.50	m	4425.07	33188.03
7	Granular Sub-base with Well Graded Material (Table 400.1)	17.60	cum	2,564.86	45141.54
		A) SUB TOTAL =			2367672.93
		TOTAL COST =			2367673


J.E
A.E
E.E

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

Phaes-1									
NAME OF ROAD :-		Chargaria Rangdaha via Madhopara							
DISTRICT :-		Araria							
BLOCK :-		Araria							
Length of Cutting:-		145.80 Km							
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	9.00	(2+3.5)/2	(1.5+2.5+1.85)/3	48.26		
	At ch:-1500 m	cum	1	25.30	(2+3.5)/2	(1.5+2.5+0.85)/3	112.48		
	At ch:-1500 m	cum	1	14.00	(2+3.5)/2	(0.75+2.65+0.85)/3	54.54		
	At ch:-1900 m	cum	1	13.50	(2+3.5)/2	(0.75+2.65+0.85)/3	52.59		
	At ch:-2100 m	cum	1	25.00	(2+3.5)/2	(2.5+1.25+0.85)/3	105.42		
	At ch:-2800 m	cum	1	25.00	(5.5+7.5)/2	(2.25+1.15+0.85)/3	230.21		
	At ch:-3200 m	cum	1	18.00	4.00	1.25	90.00		
		cum		total qty :-				693.50	356758.49
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		1	30.00	3.00		90.00		
	At ch:-1500 m		1	101.20	3.00		303.60		

Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
	At ch:-1500 m		1	56.00	3.50		196.00		
	At ch:-1900 m		1	45.00	3.00		135.00		
	At ch:-2100 m		1	100.00	3.00		300.00		
	At ch:-2800 m		1	125.00	3.00		375.00		
	At ch:-3200 m		1	72.00	3.00		216.00		
		Mtr.		total qty:-				55.40	89,504.24
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		1	4.00	9.00		36.00		
	At ch:-1500 m		1	3.00	25.30		75.90		
	At ch:-1500 m		1	4.00	14.00		56.00		
	At ch:-1900 m		1	4.00	13.50		54.00		
	At ch:-2100 m		1	3.00	25.00		75.00		
	At ch:-2800 m		1	4.00	25.00		100.00		
	At ch:-3200 m		1	3.00	18.00		54.00		
		Mtr.		total qty :-				30.87	13919.28
4	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	9.00	(2.5+1.5)/2	(1.85+2.95+2.7)/3	45.00		
	At ch:-1500 m	cum	1	25.30	(2+0.9)/2	(1.5+2.25+2.25)/3	73.37		
	At ch:-1500 m	cum	1	14.00	(2.5+1.5)/2	(2.5+2.85+1.75)/3	66.27		
	At ch:-1900 m	cum	1	13.50	(2+0.9)/2	(1.65+2.25+1.95)/3	38.17		
	At ch:-2100 m	cum	1	25.00	(2+1.25)/2	(2.75+2.5+1.5)/3	91.41		

Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
	At ch:-2800 m	cum	1	25.00	(2+0.9)/2	(1.95+2.25+1.75)/3	71.90		
	At ch:-3200 m	cum	1	18.00	(2+2.5)/2	(2.65+2.25+2.45)/3	99.23		
	Total No of E C Bags(3.4cum=100Bags) =			485.34	/	0.034	14275.00		
		Each		Say No of Bage :-				38.03	542878.250
	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.								
5	At ch:-1500 m	cum	1	9.00	(2+3.5)/2	(0.65+1.5+0.85)/3	24.75		
	At ch:-1500 m	cum	1	25.30	(2+3.5)/2	(0.75+1.5+0.85)/3	71.89		
	At ch:-1500 m	cum	1	14.00	(2+3.5)/2	(0.75+1.65+0.85)/3	41.71		
	At ch:-1900 m	cum	1	13.50	(2+3.5)/2	(0.75+1.35+0.85)/3	36.51		
	At ch:-2100 m	cum	1	25.00	(2+3.5)/2	(0.75+1.25+0.85)/3	65.31		
	At ch:-2800 m	cum	1	25.00	(5.5+7.5)/2	0.85	138.13		
	At ch:-3200 m	cum	1	18.00	4.00	0.55	39.60		
		cum	total qty :-				417.90	2,168.72	906299.96
6	Supplaying and carriage of hume pipe 1000 mm dia , all complete job.								
	At ch-2100m	RM	1	3	2.5		7.50		
		RM	0	1	2.5		0.00		
		RM	total qty :-				7.50	4,425.07	33188.03

Sl. No.	DESCRIPTION OF ITEMS	Unit	Nos.	L(m)	B(m)	D(m)	QUANTITY	RATE (Rs.)	AMOUNT (Rs.)
	Granular Sub-base with Well Graded Material (Table 400.1)								
7	Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.								
	At ch:-2100 m	cum	1	5.00	5.50	0.2	5.50		
	At ch:-2100 m	cum	1	11.00	5.50	0.2	12.10		
		cum					17.60	2,564.86	45141.54
								A) SUB TOTAL =	1987689.78
								TOTAL COST =	1987689.78
	Junior Engineer								

[Signature]
Executive Engineer

[Signature] 28/11/21
Asstt. Engineer

[Signature] 28/11/21
Junior Engineer

S.E
Kishanganj

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

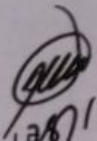
Phaes-2


NAME OF ROAD :-		Chargaria Rangdaha via Madhopara							
DISTRICT :-		Araria							
BLOCK :-		Araria							
Length of Cutting:-		54.50 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.-1900 m	cum	1	13.50	(2+3.5)/2	(0.75+2.65+0.85)/3	52.59		
	At ch.-2100 m	cum	1	25.00	(2+3.5)/2	(2.5+1.25+0.85)/3	105.42		
		cum					total qty :-	158.01	514.43
2	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.								
	1st km	cum	1	13.50	1.25	2.65	44.72		
		cum	1	25.00	1.25	2.85	89.06		
	Total No of E C Bags(3.4cum=100Bags) =			133.78	/	0.034	3935.00		
		Each		Say No of Bage :-			3935.00	38.03	149648.050
3	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.								
	At ch.-1900 m	cum	1	13.50	(2+3.5)/2	(0.75+0.65+0.45)/3	22.89		
	At ch.-2100 m	cum	1	25.00	(2+3.5)/2	(0.5+0.65+0.85)/3	45.83		
		cum					total qty :-	68.73	2,168.72
									149049.80
	</								

S.E
Kishanganj

Calculation of Seigniorage Fees

NAME OF ROAD :-		Chargaria Rangdaha via Madhopara			
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	851.51	Cum	141.85	120787.11
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	Cum	141.85	0.00
5	Supplying of EC bag, filling of local sand stitching and placing in position as the direction of Engineer-in-charge.	619.14	Cum	141.85	87825.01
6	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	486.62	Cum	1050.00	510954.50
8	Granular Sub-base with Well Graded Material (Table 400.1)	17.60	Cum	384.12	6760.59
A) SUB TOTAL =					726327.21
Seigniorage Fees @10% of Basic Amount =					72633


J.E.


A.E.

E.E

RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL													
						Name of Road		Chargaria Rangdaha via Madhopara					
DISTRICT :-				Araria		Block		:-		Araria			