



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

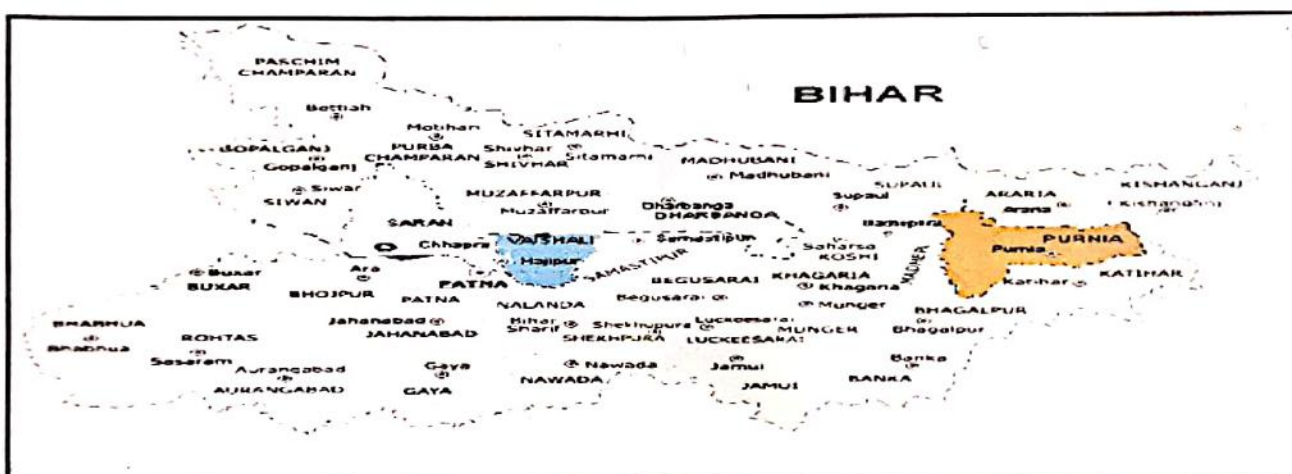
BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

Govt. of Bihar



EMERGENT REPAIR OF ROAD FROM MUKHYA KHAGAU ROAD BATALA TO ADAMPUR MUSHARI TAK KI ORE JANE WALI ROAD UNDER FDR AT- DANAPUR BLOCK IN PATNA DISTRICT.



Name of the Road :-

EMERGENT REPAIR OF ROAD FROM MUKHYA KHAGAU ROAD Batala TO ADAMPUR
MUSHARI TAK KI ORE JANE WALI ROAD UNDER FDR

DISTRICT	:	Patna	
DIVISION	:	DANAPUR	
BLOCK	:	DANAPUR	
Total Length of Road	:	1.10	km
Total Damaged Length Of Road	:	0.900	km
TOTAL COST OF CONSTRUCTION	:	21.439	Lacs
TOTAL COST OF PROJECT	:	21.439	Lacs

Executive Engineer
Rural Works Division, Danapur
Danapur

प्रतिवेदन

कार्य का नाम :

मुख्य खगौल पथ बटाला से आदमपुर मुसहरी तक
जानेवाली पथ की आपातकालीन मरम्मत ।

पथ की लम्बाई :

1.100 कि०मी०

प्राक्कलित राशि:

मो० 21.439 लाख

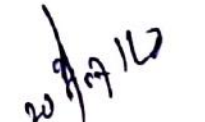
मद :

एफ०डी०आर०

प्रस्तुत प्राक्कलन दानापुर प्रखण्ड अन्तर्गत मुख्य खगौल पथ बटाला से आदमपुर मुसहरी तक जानेवाली पथ की आपातकालीन मरम्मत का वर्तमान अनुसूचित दर पर मो० 21.439 लाख (इक्कीस लाख तेतालीस हजार नौ सौ) रुपये मात्र का तैयार किया गया है । इस माह में लगातार अतिवृष्टि से पथ काफी क्षतिग्रस्त हो गया है । आवागमन बन्द है । विभागीय निर्देशानुसार पथ को मोटरेबूल करने हेतु ब्रीक्स वैट भरने का प्रावधान प्राक्कलन में किया गया है । जनहित में पथ को मोटरेबूल करना अति आवश्यक है ।

अतः प्राक्कलन की स्वीकृति जनहित में अतिआवश्यक है । पत्रिका में काकितक-
मरम्मत का कर शर्मा ०१६६ जिल्ला चटौकर स्वीकृति अपेक्षित है


कनीय अभियंता
दानापुर


सहायक अभियंता
दानापुर

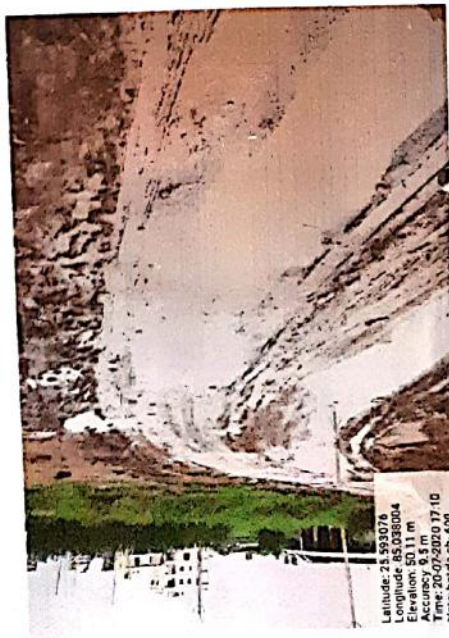

कार्यपालक अभियंता
(ग्रामीण कार्य विभाग)
कार्य प्रमंडल, दानापुर
(०१/१/२०२०)

Details of Road & Bridge																					
Bill No.	wing	Circle	District	Division	Road/Bridge Name	Scheme Name	Status (Comp./ On Going)	Is Maintenance (Y/N)	Length (in Km)	Damage Part Length During Flood	Restoration Amount (in Lakh)	Remarks	FDR Fin Year	Type		Start Point		Intermediate Point		End Point	
														R/B	Latitude	Longitude	Latitude	Longitude	Latitude	Longitude	
1	CE-1, Patna	Patna	Patna	Danapur	Mukhya Khagaul Road Batala to Adampur Mushari Tak ki ore Jane Wali Road	FDR	On Going	No	1.100	0.900	21.439	Badly Damaged & Traffic Closed	2020-21	Road	25 59148	85 04251	25 59308	85 04251	25 5941	85 04251	
2	CE-1, Patna	Patna	Patna	Danapur	Sarvoday City Adampur to Lakhani Bigha Tak	FDR	On Going	No	0.600	0.450	11.594	Badly Damaged & Traffic Closed	2020-21	Road	25 59567	85 03197	25 59408	85 03197	25 5943	85 03197	

20/10/20
20/10/20

20/10/20

20/10/20
20/10/20
20/10/20



July 19/2020
Bibang
Que Dangfor
01/10/2020

also

also

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :

EMERGENT REPAIR OF ROAD FROM MUKHYA
KHAGAUL ROAD BATALA TO ADAMPUR MUSHARI
TAK KI ORE JANE WALI ROAD UNDER FDR

DISTRICT

PATNA

BLOCK

DANAPUR

DIVISION

DANAPUR

SI. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	188773 2.00 188780 2.009
	TOTAL COST IN LACS =	18.877 18.878
	GST @ 12 % ON (PART A)	2.265 2.265
	LABOUR CESS GST @ 1 % ON (PART A)	0.189 0.189
	SUB TOTAL WITH GST & Labour cess	21.33 21.332
	CNC @0.5%	0.107 0.107
	TOTAL	21.438 21.439
	TOTAL COST OF PROJECT IN LACS =	21.439

A.P. of Seigtonam (10/10/20)

22.489
22.489

20/07/20
JE
RWD

20/07/20
AE
RWD

11/9/20
EE
RWD

Technically approved for Rs. 22.489 (Rupees)

only

including five year Maintenance Cost

Confidential

17/10/20
Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

सहायकी सलाहकार
ग्रामीण कार्य विभाग
कार्य अंचल, पटना

Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

RURAL WORKS DEPARTMENT

(Govt. of Bihar)

EMERGENT REPAIR OF ROAD FROM MUKHYA KHAGAUL ROAD BATALA TO ADAMPUR

NAME OF ROAD : MUSHARI TAK KI ORE JANE WALI ROAD UNDER FDR

BLOCK DANAPUR

DIV(RWD)-DANAPUR

DISTRICT PATNA

CIRCLE(RWD)-PATNA

Sl. No.	SDB SL NO	MORD Ref.N	Item Description	Unit	Length	Width	Height	Quantity	Rate	Amount (In Rs.)
1			Providing and laying jhana khoa or Stone filter under brick pitching or boulder pitching in slope or apron or at any other place including light ramming etc. All complete as per approved design specification and direction of E/A .QTY VIDE POT MEASUREMENT	Cum				825.00	2288.16 2288.25	1887807.01 1887807.01 1887732.00

TOTAL= 1887807.01
~~1887807.01~~
1887732.00

JE(RWD)

A E (RWD)

E E(RWD)
WORK DIVISION
DANAPUR

Seigniorage fee -

For 1.05%
Brick bats - 1.20178 @ 1062.00/m³ - 1274.10

@ 10.00% seignior - 127.41

for 825.00 m³

105135.00

105135.00

= 1.051

EMERGENT REPAIR OF ROAD FROM MUKHYA KHAGAUL ROAD BATALA
TO ADAMPUR MUSHARI TAK KI ORE JANE WALI ROAD UNDER FDR

NAME OF ROAD

BLOCK - DANAPUR

POT MEASUREMENT FOR BRICKS BAT

NO.		L		W		H			m3
1	x	750.00	x	3.75	x	0.200	(av)	=	562.50
1	x	100.00	x	3.75	x	0.450	(av)	=	168.75
1	x	50.00	x	3.75	x	0.500	(av)	=	93.75
TOTAL QTY =									825.00

1)

[Signature]
20/07/20
JE

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20/07/20
AE

[Signature]
20/07/20
EE
RWD (W) DIVISION
DANAPUR
01/07/20

Sl.	SDB	MO	DESCRIPTION	Unit	Quantit	Rate	Amount
			SAY	CUM			#REF!
			Providing and laying jhana khoa or Stone filter under brick pitching or boulder pitching in slope or apron or at any other place including light ramming etc. All complete as per approved design specification and direction of E/A				
			Unit = cum				
	RWD 14.6	a)	Material				
			Brick Bats	cum	1.20	1,062.00	1274.40
	5.6.1 WRD	b)	Labour			1,062.00	
			Unskilled mazoor	no.	1.06	287.00	304.22
		c)	Add overhead @0.06 on (a+b)				94.72
		d)	Add Contractor profit @0.1 on (a+b+c)				167.33
		e)	Total				1840.67
		f)	CARRIAGE (Brick bats)	cum	1	447.58	447.58
			Rate per cum = (e+f)				2288.25
			SAY	Cum			2288.25
	1.1 RCD		Loading and Unloading of brick bats with tractor				
			Unit=cum				
			Taking output= 2.25 cum				
			Time required for				
		i)	Positioning of tipper at loading point		1 MIN		
		ii)	Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		5 Min		
		iii)	Maneuvering, reversing, dumping and turning for return		0 Min		
		iv)	Waiting time, unforeseen contingencied etc		6 Min		
			Total				
		a)	Labour				
			Mate	day	0.03	311	9.33
			Mazoor for loading and unloading	day	0.72	287	206.64
		b)	Machinery				
			Tractor 3.60 tonne capacity	hour	0.1	542	54.20
			Front end loader 1cum bucket capacity @25 cum/hd	hour	0.083	1403	116.45
		c)	Overhead charges @ 0.06 on (a+b)				23.20
		d)	contractor profit @ 0.1on (a+b+c)				40.98
			Cost for 2.25 cum= (a+b+c+d)				450.80
			Rate per cum= (a+b+c+d)/2.25				200.35
			Note Unloading will be done manually				

147.49
2288.25
2288.25

9.15

23.19
40.98

450.59
200.26

20/07/20
T.E.

20/07/20

11/9/20
01/09/20

Sl.	SDB	MO	DESCRIPTION	Unit	Quantit	Rate	Amount
	1.4	RCD	Cost of Haulage Excluding Loading and Unloading				
			Haulage of material by Tractor excluding cost of loading, unloading and stacking.				
			Unit= t.km				
			Taking output 3 60 tonnes load and lead 10 km= 36.0 t.km				
		i)	Surface Road				
			Speed with load : 15 km/hour				
			Speed while Returning empty : 25 km/ hour				
			a) Machinery.				
			Tractor 3.6 tonne capacity				
			Time taken for onward haulage with load	hour	0.667	542	361.51
			Time taken for empty return trip.	hour	0.4	542	216.80
			Total				578.31
			b) Add overhead charges @0.06				34.70
			c) Add contractor profit @0.1				61.30
			cost for 36 t km = a+b+c				674.31
			Rate per t.km = (a+b+c)/36				18.73
		ii)	Unsurface Graveled Road/ Katcha				
			Speed with load : 12 km/ hour				
			Speed for empty return trip: 20 km/ hour				
			a) Machinery				
			Tractor 3.6 tonnes capacity				
			Time taken for onward haulage with load	hour	0.833	542	451.49
			Time taken for empty return trip	hour	0.5	542	271.00
			Total				722.49
			b) Add overhead charges @0.06				43.35
			c) Add contractor profit @0.1				76.58
			Cost for 36 t.km = a+b+c				842.42
			Rate per t.km = (a+b+c)/36				23.40

SI No	Item with Source	Unit	Source up to	Carriage Cost & Lead in Km			Loading & Unloading Cost	Carriage Cost by Rail/Head	Total *
				Pukka / Surface	Katcha				
1	Brick bat	Cum	Local	$\frac{3.60}{2.25} \times 18.73 \times 7.00 \text{ Km} =$	$\frac{3.60}{2.25} \times 23.40 \times 1.00 \text{ Km} =$	Rs 209.79	200.35	0.00	Rs 447.58
							200.35		447.58

पत्रांक:- 964/3137

मसौदी/दिनांक:- 16.10.2020

प्रेषक :

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल मसौदी।

सेवा में,

अधीक्षक अभियंता
ग्रामीण कार्य विभाग,
कार्य अंचल, पटना।

विषय:-वर्ष-2019 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किये गये कार्य की जाँच के संबंध में।

प्रसंग:-विभागीय पत्रांक-मु0अ0-4 (मु0) विविध (कार्य)-23-291/2019-3976 दिनांक-11.09.2019
एवं भवदीय पत्रांक-1481 दिनांक-15.09.2020

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के निर्देश के आलोक में ग्रामीण कार्य विभाग, कार्य प्रमंडल दानापुर का निम्नलिखित दो पथों का दिनांक-13.10.2020 को बाढ़ क्षतिग्रस्त मरम्मत कार्य का जाँच किया गया एवं किया गया कार्य संतोषप्रद पाया गया।

सूचनार्थ समर्पित।

क्रमांक	पथ का नाम	पथ की लम्बाई	क्षतिग्रस्त पथ की लम्बाई
1	सर्वोदय सिटी आदमपुर से लखनी बिगहा पथ	0.600	0.450
2	मुख्य खगौल रोड बटाला से आदमपुर मुशहरी तक जाने वाली सड़क	1.100	0.900

अनु0:- निरीक्षण प्रतिवेदन प्रपत्र संलग्न।
(दो प्रतियों में)

विश्वासभाजन

16/10/2020
कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल मसौदी।

Inspection Report for Flood Damage Work

Date:....13/10/2020

1. Name of PIU:- Executive Engineer, R.W.D(W) Division Darnapur
2. Name of Block/Road:- Darnapur / Main Khajaul Road Bata,la to
3. For Road:- Adampur Mushari Jane wali Road.
4. Damage Location/Chainage:- Ch. 0m to 750 m and 950m to 1100 m
5. Damage Length:- 900 m
6. Nature of Damage:- Damage due to heavy Rain
 - I. Material being used in Restoration Works:- Brick Bats
 - II. Equipments/Tools being used in Restoration Works:- J.C.B, Tractor, Roller
 - III. Procedure taken up in Restoration Works:- Brick bats laying, spreading and Compacting.
 - IV. Restored Length:- 900 m

B. For Bridge

1. Damage Location/Chainage:-
 2. Damage Length:-
 3. Nature of Damage:-
 4. Details of Restoration Works:-
- N/A
- I. Material being used in Restoration Works:-
 - II. Equipments/Tools being used in Restoration Works:-
 - III. Procedure taken up in Restoration Works:-
 - IV. Restored Length
- N/A

13/10/2020
Name of Inspector
Executive Engineer
R.W.D Works Division
Masaurhi