



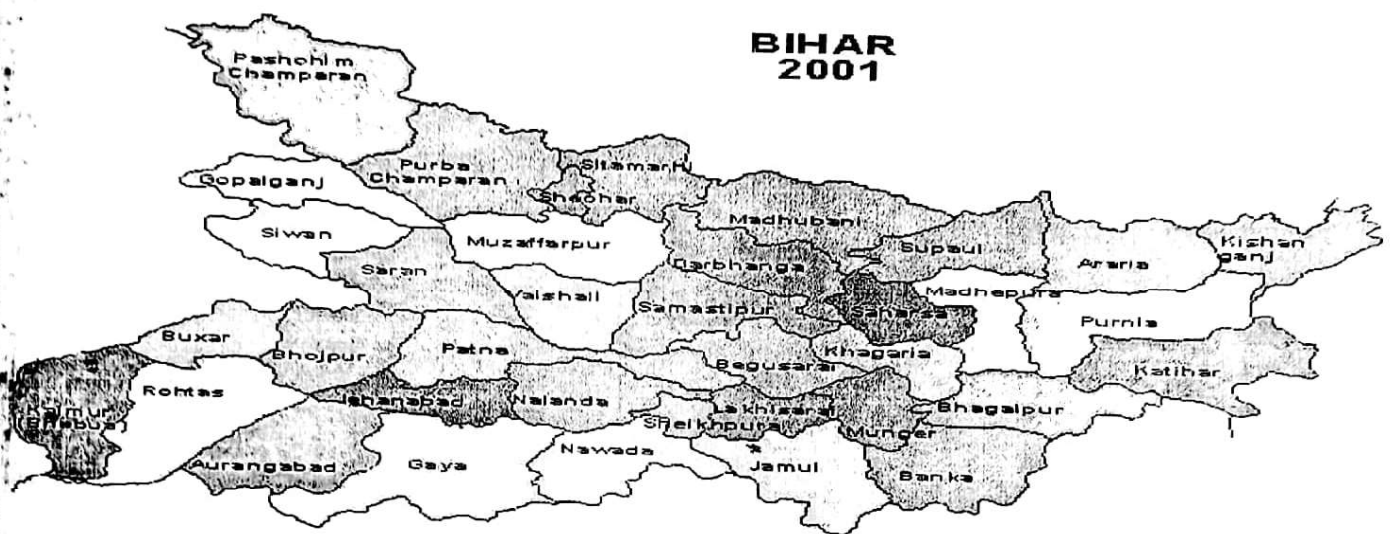
ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

ESTIMATE FOR MOTORABLE OF ROAD FROM T04-GHOSRAWA RANISARAY ROAD TO BISHUNPUR UNDER FDR AT BLOCK- GIRIYAK IN NALANDA DISTRICT



BIHAR
2001

DISTRICT :	NALANDA	BLOCK :	GIRIYAK
NAME OF ROAD :	T04-GHOSRAWA RANISARAY ROAD TO BISHUNPUR		
TOTAL LENGTH IN KM.	:	3.750	KMS
DAMAGE LENGTH	:	0.0175	KMS
TOTAL CONSTRUCTION COST	:	-0.700	Lakhs
		0.845 Lakhs	

SUBMITTED BY:

EXECUTIVE ENGINEER
RWD (W) DIVISION, RAJGIR
NALANDA

0/c

प्रतिवेदन

कार्य का नाम :- T04 घोसरावों रानीसराय पथ से बिशुनपुर के बाद में हुए क्षतिग्रस्त भाग के मरम्मत कार्य।

पथ की स्थिति :- पथ अनुरक्षण अवधि में है।

पथ की लम्बाई :- 3.750 कि०मी०

क्षतिग्रस्त पथ की लम्बाई :- 18 मीटर

मरम्मत कार्य का प्राक्कलित राशि :- 0.706 लाख

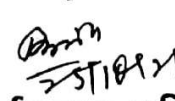
दिनांक- 30.09.2021 के मध्य रात्रि को सकरी नदी में अत्यधिक पानी आ जाने के कारण विषयांकित पथ में कई स्थान पर कटाव तथा पथ क्षतिग्रस्त हो गया था। जिसके कारण यातायात बाधित हो गया था। पथ में तत्काल मरम्मत का कार्य करना अत्यावश्यक था। जिला पदाधिकारी नालंदा एवं विभागीय निदेशानुसार पथ के क्षतिग्रस्त भाग की मरम्मत का कार्य कराया है। मरम्मत कार्य में क्षतिग्रस्त भाग को ईट के टुकड़ों (Brick Bats) एवं लोकल बालू से भरकर रॉलर से compaction कराकर पथ को motorable किया गया है।

पथ में 18 मीटर पथांस क्षतिग्रस्त हुआ है। जिसकी प्राक्कलित राशि रुपये 0.706 लाख मात्र आता है। प्राक्कलन ग्रामीण कार्य विभाग कार्य अंचल नालंदा कार्यालय से प्राप्त कोटेशन के आधार पर किया गया है। प्राक्कलन के साथ क्षतिग्रस्त भाग का फोटो ग्राफ एवं मापी पंजी की छाया प्रति सुलभ प्रसंग हेतु संलग्न है।

प्राक्कलन का तकनीकी अनुमोदन अपेक्षित है।


कनीय अभियंता
ग्रामीण कार्य विभाग
गिरियक


सहायक अभियंता
ग्रामीण कार्य विभाग
गिरियक


कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, राजगीर

INSPECTION REPORT FOR FLOOD DAMAGE WORK

Date :

1. Name of PIUS :- R.W.D Works Division Rajgir.
2. Name of Block/Road :- Giriyak / To4 Ghosranwa Ramisarai to Bishunpur.

A. For Road :

1. Damage Location/Change :-
2. Damage Length :- 18.00 M
3. Nature of Damage :- partially breach in road.
4. Details of Restoration Works :-
 - i. Material Being used in Restoration works :- Brick Bats and Local Sand.
 - ii. Equipment's / Tools being used in Restoration works :- Tractor, D.C.B, Roller
 - iii. Procedure taken up in restoration works :- Mechanically & Manual.
 - iv. Restored Length :- 18.00 M

B. For Bridge :

1. Damage Location / Chainage :-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration Works :-
 - i. Material Being used in Restoration works :-
 - ii. Equipment's / Tools being used in Restoration works :-
 - iii. Procedure taken up in restoration works :-
 - iv. Restored Length :-

C. Requirement of New CD/Bridge :

- i. Name of Road :-
- ii. Location Chainage :-
- iii. Type of CD work/Length required :-

- Upload one photograph of damaged portion if available

- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode. Work is satisfactory

Signature of

JE

AE

EE

Executive Engineer
R.W.D. Work Division
Biharsharif

FDR

GENERAL ABSTRACT OF COST

Locality: GIRIYAK

District:- NALANDA

Length of Road:-- 3.750 KM

Bridge Length:-- 0.018 KM

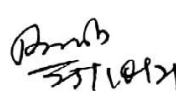
Name of Road:--

T04-GHOSRAWA RANISARAY ROAD TO BISHUNPUR

No.	Item of Work	Amount
	TOTAL COST OF CONSTRUCTION	0.706 Lacs
	TOTAL PROJECT COST (A)	0.706 Lacs


25/10/21
Engineer


25.10.21
Asstt. Engineer


25/10/21
Executive Engineer

checked

17/11/21

SE
RWD

B B, Biharshankar

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD :

T04-GHOSRAWA RANISARAY ROAD TO BISHUNPUR

DISTRICT

NALANDA

BLOCK

GIRIYAK

DIVISION

RAJGIR

LENGTH OF ROAD

3.750 km

WIDTH OF ROAD

0.018 km

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL	
1	Supplying, Filling, Spreading & Compacting of Brick Bats With Local Sand at work Site	0.845
2	SAND BAG	0.000
	SUB TOTAL(A) =	0.845
	TOTAL COST OF PROJECT (including GST & Labour Cess) IN LACS =	0.845

[Signature]
25/10/21

JE
RWD

[Signature]
25/10/21

AE
RWD

[Signature]
25/10/21

EE
RWD

Technically Sanctioned for Rs. 84,500.00

(Rupees Eighty Four Thousand

Five Hundred only)

Condition and direction of work in attached

technical notes with D.M. to be followed strictly.

50 —

S. E.

RWD

Work Circle Nalanda

Certified copy

[Signature]
24/11/2021

अधीक्षक अभियन्ता

ग्रामीण कार्य विभाग

कार्य अंचल (नालन्दा)

[Signature]
23/11/2021

T04 Ghosrawa Ranisaray Road To Bishunpur									
Name of Road	T04 Ghosrawa Ranisaray Road To Bishunpur								
Sl. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
	SUB HEAD - EARTHWORK, BRICKS BATS, SAND FILLING								
1	Construction of Bricks Bats								
	Supplying Brick bats at site including labour cess, GST and seignorance fee (excluding over head and CP)								
		cum					35.780	1,200.00	42,936.00
2	Carriage for Brick bats including labour cess & GST (excluding over head and CP)	No					35.780	560.887	20,069.00
3	Supplying unskilled labour for Brick bats and laying 600 mm dia for spreading and levelling brick bats including labour cess & GST (excluding over head and CP)	No					38.00 37.927	329.96	12538.00 12514.00
	SUB HEAD - PAVEMENT LAYERS, GSB & WBM ITEMS								
							A) Sub Total		75,519.00
4	Supplying Sand with Carriage at site including labour cess, GST and seignorance fee (excluding over head and CP)	Cum					8.950	340.000	3,043.00

Block :- Rahul

[Handwritten signature]

RYD

10.05.21

RWD

75 ~~Quesada~~ EE RWD 560.8868

SDB Sl. No.	MOR p Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount (in Rs)
1.1 RGD		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 contingencies etc		6 Min		
		Total				
		a) Labour				
		Mate	day	0.03	419.1	12.543
		Mazoor for loading and unloading	day	0.72	329.96	237.571
		b) Machinery				
		Tractor 3.60 tonne capacity	hour	0.1	680	68.000
		Front end loader 1cum bucket capacity @25 cum/hour	hour	0.083	1650	136.950
		c) Overhead charges @ 0.06 on (a+b)				27.304
		d) contractor profit @ 0.0 on (a+b+c)				0.000
		Cost for 2.25 cum = (a+b+c+d)				482.368
		Rate per cum = (a+b+c+d)/2.25				214.386
	Note	Unloading will be done manually				
1.4 RGD		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	680.00	453.560
		Time taken for empty return trip.	hour	0.4	680.00	272.000
		Total				725.560
		b) Add overhead charges @0.06				43.534
		c) Add contractor profit @0.0				0.000
		cost for 36 t.km = a+b+c				769.094
		Rate per t.km = (a+b+c)/36				21.364
	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	680.00	566.440
		Time taken for empty return trip	hour	0.5	680.00	340.000
		Total				906.440
		b) Add overhead charges @0.06				54.386
		c) Add contractor profit @0.0				0.000
		Cost for 36 t.km = a+b+c				960.826
		Rate per t.km = (a+b+c)/36				26.690

[Signature]
25/10/21

[Signature]

[Signature]
25.10.21
[Signature]

[Signature]
25/10/21

[Signature]

Brick Bats

Sl. No.	Km	No.	Length	Width	Depth	Volume	Remarks
1	0-350m	1	11.50	2.50	1.00	28.75	
		1	2.50	1.00	1.00	2.50	
		1	3.50	2.00	1.50	10.50	
		Total	17.5			41.75	

[Signature]
25/10/21
J.E

[Signature]
25.10.21
H.E

[Signature]
25/10/21
E.E.

~~Local Sand Qty - 41.75 X 30%~~

~~Qty - 12.52 M³~~

Qty. after deduction of voids

$$\frac{12}{14} \times 41.75 = 35.78 \text{ M}^3$$

Local Sand

$$35.78 \times 25\% = 8.95 \text{ M}^3$$

[Signature]
25/10/21
J.E

[Signature]
25.10.21
H.E

[Signature]
25/10/21
E.E.