

Inspection Report For Flood Damage Work

Date :- 25/11/2021

1. Name of PIUs :- E. Bisay Kumar

2. Name of Block/Road :- Rahui/NH31 Dhamauli to Bihar Nijay Road
Khirana via Mubarakpur

A. For Road

1. Damage Location/Chainage :- 4.60 Km TO 5.20 Km and 8.10 Km to 9.50 Km

2. Damage Length :- 74.40 meter

3. Nature of Damage :- crust and flank

4. Details of Restoration Works :-

i. Material being used in Restoration Works:- GSB and Brick Bat

ii. Equipments/ Tools being used in Restoration Works:- JCB, Roller and Tractor

iii. Procedure taken up in Restoration Works:- Departmental

iv. Restored Length:- 74.40 meter

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 Work:-

ii. Equipments/ Tools being used in Restoration Works:-

iii. Procedure taken up in Restoration Works:-

iv. Restored Length:-

N/A

C. Requirement Of New CD/Bridge

i. Name of Road:-

ii. Location Chainage:-

iii. Type of CD Work/Length Required

Upload one photograph of damage 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
25/11/21
JE

Signature of JE/AE/EE

Signature of verifying officer
25/11/2021

Signature of verifying officer



ग्रामीण कार्य विभाग

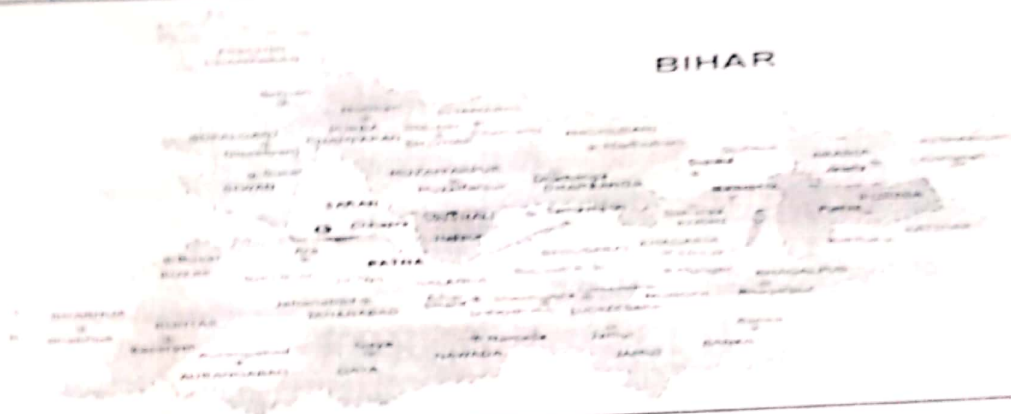
Rural Works Department, Govt. of Bihar

BIHAR RURAL ROADS PROJECT

Govt. of Bihar

FDR(Motorable)

Estimate for Motorable of Road from NH-31 Dhamauli to Bihar Nijay Road to Khirauna via Mubarkpur in Nalanda District.



Name of the Road :-

NH-31 Dhamauli to Bihar Nijay Road to Khirauna via Mubarkpur

DISTRICT	:	NALANDA	
DIVISION	:	Biharsharif	
BLOCK	:	Rahul	
TOTAL COST OF CONSTRUCTION	:	4.747 4.1004	Lac
TOTAL COST OF PROJECT	:	1.747 4.1004	Lac

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-BIHARSHARIF

पथ का नाम :- एन0एच0-31 धमौली से बिहार-निजाय रोड
खिरौना भाया मुबारकपुर
प्राक्कलित राशि :- 4.747 लाख
4.10.21

प्रतिवेदन

प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 4.747 लाख है ग्रामीण कार्य विभाग, कार्य प्रमंडल, बिहारशरीफ अन्तर्गत रहई प्रखंड में वर्ष-2021 में आयी बाढ़ के कारण क्षतिग्रस्त पथ के मरम्मत हेतु तैयार किया गया है।

उपर्युक्त पथ का निर्माण MR-3054 योजनान्तर्गत किया गया है। वर्ष-2021 में पंचाने नदी में आई बाढ़ के कारण पथ के उपर से पानी का बहाव शुरू हो गया एवं पानी बहाव के कारण मिट्टी का कटाव हुआ एवं पथ 18 मीटर लंबाई में पुर्णतः कट गया फलतः आवागमन बाधित हो गया एवं ग्रामीणों का अन्य जगह से संपर्क टुट गया।

विभागीय निर्देशानुसार कटे हुए भाग को ईट के टुकड़ों से भरने के उपरान्त उसके उपर GSB का एक परत देकर आवागमन को चालू किया गया। प्रस्तुत प्राक्कलन में कराए गए कार्य में में ब्रिक बेंट एवं GSB का उपयोग किया गया। कार्य के उपरान्त स्थल निरीक्षण के क्रम में उच्चाधिकारियों द्वारा जाँच करा लिया गया है। प्राक्कलन में लिया गया दर अंचल कार्यालय द्वारा पत्रांक-458 दिनांक-19.06.2021 द्वारा अनुमोदित दर से लिया गया है। सिर्फ दुलाई का दर नहीं रहने के कारण इसे वर्तमान अनूसूचित दर पर तैयार किया गया है।

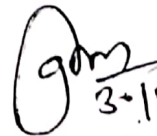
इस योजना की राशि FDR (3054) में भारित होगा। यथाशीघ्र प्राक्कलन की स्वीकृति अपेक्षित है।


29/10/21

कनीय अभियंता,
कार्य प्रशाखा, रहई


29/10/21

सहायक अभियंता
कार्य अवर प्रमंडल, रहई


30/10/21

कार्यपालक अभियंता,
कार्य प्रमंडल, बिहारशरीफ

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : NII-31 Dhamauli to Bihar Nijay Road to Khirauna via
DISTRICT Mubarkpur
BLOCK NALANDA
DIVISION Rahui
Biharsharif

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	387770.00
2	GSB	452389.00
		22273.232
	Total	474662.232
	TOTAL COST IN LACS =	4,1004 4747
	TOTAL COST OF PROJECT IN LACS =	4,1004 4747

[Signature]
29/10/21
JE
RWD

[Signature] Total = 4.1006
29/10/21
AE
RWD

[Signature]
30/10/21
EE
RWD

Sanctioned
Technically approved for Rs. 4,10,000
(Rupees Four Lacs Ten Thousand
Only)
Condition and direction laid down in attached
technical notes with DPR is be followed Strictly

[Signature]
9/12/2021
S. E.
RWD
Work Circle Nalanda

[Signature]
06/12/2021

Chandauli to Bihar Nijay Road to Khirauna via Mubarkpur in Nalanda District.

[illegible]

Total = 4.100 Ga

Name of Road NH-31 Dhamauli to Bihar Nijay Road to Khirauna via Mubarkpur
Block Rahui
District NALANDA

Calculation of GSB

Sl.No	Lenth (m)	Width(m)	Thieckness (m)	Qty. (Cum)
1	18.00	4.00	0.150	10.800
2	6.00	1.90	0.150	1.710
3	2.10	1.00	0.100	0.210
4	2.00	2.00	0.150	0.600
Total				13.320

BIC 841
29/10/21
8B
AB
29/10/21

Name of Road NH-31 Dhamauli to Bihar Nijay Road to Khirauna via Mubarkpur
Block Rahui
District NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)		Width(m)		Thickness (m)		Qty. (Cum)
1	16.60	x	1.20	x	0.800	=	15.936
2	6.20	x	$\frac{0.40+1.10}{2}$	x	1.200	=	5.580
3	3.00	x	$\frac{0.30+1.00}{2}$	x	1.200	=	2.340
4	9.50	x	$\frac{0.30+1.00}{2}$	x	1.200	=	7.410
5	5.00	x	$\frac{0.40+1.10}{2}$	x	1.150	=	4.313
6	6.00	x	$\frac{0.35+1.00}{2}$	x	1.300	=	5.265
7	18.00	x	$\frac{4.00+6.30}{2}$	x	1.900	=	176.130
8	5.00	x	1.300	x	0.900	=	5.850
9	1.50	x	1.100	x	1.050	=	1.733
Net qty after deduction of voids							224.556

29/10/21
AB

$\frac{12}{14} \times 224.556$
29/10/21
AB

= 192.48 m³

Name of Road:-- NH-31 Dhamauli to Bihar Nijay Road to Khirana via Mubarkpur
District:- NALANDA
Block :- Rahui

Analysis for Carriage by Road (By Tractor)

Block :- Rahui																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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BSR
29/10/21
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Carriage Including GST and Labour Cess
For Brick Bats
29/10/21
AE
RWD

907
30/10/21
EE
RWD

Analysis of Rates (FORMAT F8)

4.2	402	PAVEMENT CRUST LAYERS				
		For Grading II Material (Type B)				
		Construction of Gravel/Soil-aggregate base by providing well graded material, spreading in uniform layers with motor on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with three wheel 80-100 kn static roller to achieve the desired density complete as per Technical Specification Clause 402.				
	(ii)	For Grading II Material (Type B)				
		Unit = cum				
		Taking output = 300 cum				
	a)	Labour				
		Mate	day	0.48	407.00	195.36
		Mazdoor (Skilled)	day	2.00	407.00	814.00
		Mazdoor (Unskilled)	day	10.00	321.00	3210.00
	b)	Machinery				
		Tractor with Trolley	hour	6.00	640.00	3840.00
		8-10 Ton Smooth Wheeler Roller	hour	30.00	883.00	26490.00
		Tractor with Trolley 25 cum per hour	hour	12.00	630.00	7560.00
	c)	Material				
		Well graded granular sub-base material including GST, Labour Cess and Seignorage Fee with Carriage				
			cum	383.00	1200.00	459600.00
		Cost of GSB for 300 cum				501649.36
			CUM			1,672.16

SDB Sl. No.	MOR D Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount (In Rs)
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 contingencies etc		6 Min		
		Total				
		a) Labour				
		Mate	day	0.03	407	12 210
		Mazoor for loading and unloading	day	0.72	268	192 960
		b) Machinery				
		Tractor 3.60 tonne capacity	hour	0.1	630	63.000
		Front end loader 1cum bucket capacity @25 cum/hour	hour	0.083	1543	128.069
		c) Overhead charges @ 0.06 on (a+b)				23.774
		d) contractor profit @ 0.0on (a+b+c)				0 000
		Cost for 2.25 cum= (a+b+c+d)				420.013
		Rate per cum= (a+b+c+d)/2.25				186.673
	Note	Unloading will be done manually				
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	630.00	420 210
		Time taken for empty return trip.	hour	0.4	630.00	252 000
		Total				672 210
		b) Add overhead charges @0.06				40 333
		c) Add contractor profit @0.0				0 000
		cost for 36 t.km = a+b+c				712 543
		Rate per t.km = (a+b+c)/36				19.793
	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	630.00	524 790
		Time taken for empty return trip	hour	0.5	630.00	315 000
		Total				839 790
		b) Add overhead charges @0.06				50 387
		c) Add contractor profit @0.0				0 000
		Cost for 36 t.km = a+b+c				890 177
		Rate per t.km = (a+b+c)/36				24 727