

Inspection Report For Flood Damage Work

Date :- 21.11.2021

1. Name of PIUs :- Er Bijay Kumar.

2. Name of Block/Road :- Rahui/ To1 To Ganjpar.

A. For Road

1. Damage Location/Chainage :- 0.10 to 30.10 mtr.

2. Damage Length :- 30.00 mtr.

3. Nature of Damage :- Crust and flank.

4. Details of Restoration Works :-

i. Material being used in Restoration Works:- Brick Bats and G.S.B

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

iii. Procedure taken up in Restoration Works:- Departmental

iv. Restored Length:- 30.10 mtr

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:-

NA.

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
21.11.21
AB

Signature of verifying officer
21.11.21



ग्रामीण कार्य विभाग

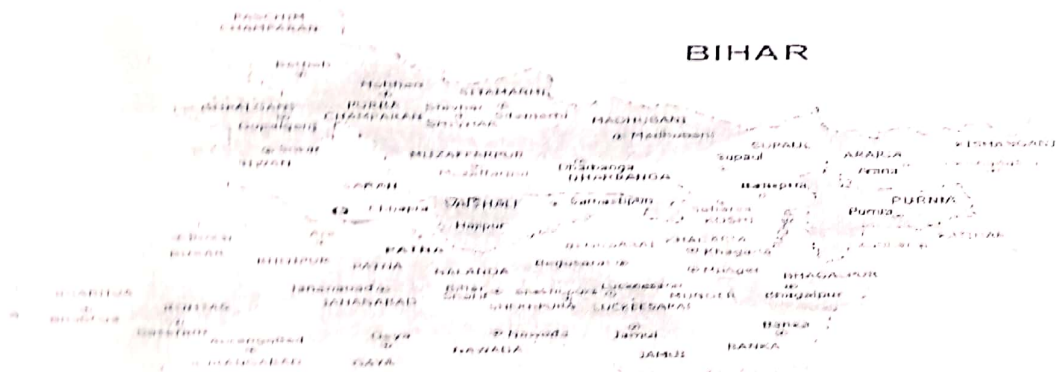
Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Govt. of Bihar

FDR(Motorable)

Estimate for Motorable of Road from T01 To Ganjpar in Nalanda District.



Name of the Road :-

T01 To Ganjpar

DISTRICT	:	NALANDA	
DIVISION	:	Biharsharif	
BLOCK	:	Rahui	
TOTAL COST OF CONSTRUCTION	:	0.468.471	Lac
TOTAL COST OF PROJECT	:	0.468.471	Lac

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-BIHARSHARIF

पथ का नाम :- टी01 से गंजपर

प्राक्कलित राशि :- 0.471 लाख

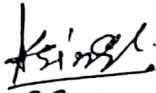
प्रतिवेदन 0.460

प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 0.471 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 PMGSY 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 वहाव के कारण मिट्टी का कटाव हुआ एवं पथ 30 मीटर लंबाई में कटाव हो 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 आवागमन को चालू किया गया। पूर्ण रूप से कटे हुए भाग में ब्रिक बैट एवं GSB द्वारा पथ मरम्मत किया गया। प्रस्तुत प्राक्कलन में कराए गए कार्य में ब्रिक बैट 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 अनुसूचित दर पर तैयार किया गया है।

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


28.10.21

कनीय अभियंता,
कार्य प्रशाखा, रहई


29/10/21

सहायक अभियंता
कार्य अवर प्रमंडल, रहई

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बिहारशरीफ

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : T01 To Ganjpar

DISTRICT NALANDA
BLOCK Rahu
DIVISION Biharsharif

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	6476.50 7555.000
5	GSB	39504.887
	Total	47059.887
	TOTAL COST IN LACS =	0.460 0.471
	TOTAL COST OF PROJECT IN LACS =	0.460 0.471

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EE
RWD

Total = 0.460 lacs

Sanctioned
Technically approved for Rs. 46,000.00

(Rupees Forty Six Thousand Only)

Condition and direction laid down in attached technical notes with DPR is to be followed Strictly

Atma
9/12/2021

S. E.

RWD

Work Circle Nalanda

9/06/2021

[illegible]

AL COST OF PAVEM

RWID

Name of Road T01 To Ganjpar
Block Rahui
District NALANDA

Calculation of GSB

Sl.No	Lenth (m)		Width(m)		Thickness (m)		Qty. (Cum)
1	30.00	x	$\frac{6.0+4.0+3.5}{3}$	x	0.175	=	23.625
							<u>23.625</u>

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Name of Road T01 To Ganjpar
Block Rahui
District NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)	Width(m)	Thiickness (m)	Qty. (Cum)
1	4.00	$\frac{1.0+0.9}{2}$	$\frac{0.70+0.80}{2}$	2.850
2	1.50	$\frac{0.70+0.90}{2}$	$\frac{0.70+0.80}{2}$	0.900
				3.750

Net Qty after deduction of voids $\frac{12}{14} \times 3.75 = 3.214 \text{ m}^3$

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Analysis for Carriage by Road (By Tractor)

Name of Road: T01 To Gampar
District: NALANDA

Block: Radut

Sl 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	3.60	8	19.79	8	7.00 Km	=	Rs 221.60	3.60	8	24.73	8	1.00 Km	=	Rs 19.56	
				2.25							2.25							Rs 41.91

Carriage Including GST and Labour Cess
For Brick Bats

506.101

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Analysis of Rates (FORMAT F8)

		PAVEMENT CRUST LAYERS			
4.2	402	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 wheels 80-100 km 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
		Mazdoor (Skilled)	day	2.00	407.00
		Mazdoor (Unskilled)	day	10.00	321.00
	b)	Machinery			
		Tractor with Trolley	hour	6.00	630.00
		8-10 Ton Smooth Wheeler Roller	hour	30.00	883.00
		Tractor with Trolley 25 cum per hour	hour	12.00	630.00
	c)	Material			
		Well graded granular sub-base material including GST, Labour Cess and Seigniorage Fee with Carriage	cum	383.00	1200.00
		Cost of GSB for 300 cum	CUM		459600.00
					501649.36
					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				
		ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		1 MIN		
		iii) Maneuvering, reversing, dumping and turning for return		5 Min		
		iv) Waiting time, unforeseen contingencies etc		0 Min		
		Total		6 Min		
		a) Labour				
		Mate				
		Mazoor for loading and unloading	day	0.03	407	12 210
		b) Machinery	day	0.72	268	192 960
		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 @ 0.00 on (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