

Inspection Report For Flood Damage Work

Date :- 25.11.2021

1. Name of PIUs :- Er Bijay Kumar.

2. Name of Block/Road :- Rahui/NH-31 To Pachaga village Through Rajwan Tola

A. For Road

1. Damage Location/Chainage :- 12.10 to 20.10 mtr.

2. Damage Length :- 2.10 mtr.

3. Nature of Damage :- crust and flank.

4. Details of Restoration Works :-

i. Material being used in Restoration Works:- Brick Balls.

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

iii. Procedure taken up in Restoration Works:- Departmental

iv. Restored Length:- 2.10 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:- NA.

iii. Procedure taken up in Restoration Works:-

iv. Restored Length:-

C. Requirement Of New CD/Bridge

i. Name of Road:-

ii. Location Chainage:-

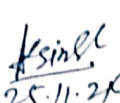
iii. Type of CD Work/Length Required

Upload one photograph of damage portion if available

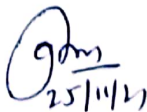
Attach minimum two photograph (during restoration & after restoration) photographs

Should be Geotags and at least one photo be captured in selfie mode

work is satisfactory.


25.11.21
JE

Signature of JE/AE/EE


25/11/21

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 to Pachasa Village Through Paswan Tola in Nalanda District.



Name of the Road :-

NH-31 to Pachasa Village Through Paswan Tola

DISTRICT	:	NALANDA	
DIVISION	:	Biharsharif	
BLOCK	:	Rahui	
TOTAL COST OF CONSTRUCTION	:	0.1130.132	Lac
TOTAL COST OF PROJECT	:	0.1130.132	Lac

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-BIHARSHARIF

पथ का नाम :- एन0एच0-31 से पचासा ग्राम पासवान टोला

प्राक्कलित राशि :- 0.132 लाख

००/१३

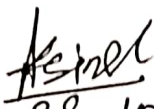
प्रतिवेदन ००/१३

प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 0.132 लाख है। ग्रामीण कार्य विभाग, कार्य प्रमंडल, बिहारशरीफ अन्तर्गत रहुई प्रखंड में वर्ष-2021 में आयी बाढ़ के कारण क्षतिग्रस्त पथ के मरम्मत हेतु तैयार किया गया है।

उपर्युक्त पथ का निर्माण New Maintenance Policy-2018 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 2 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 पलैंक में ब्रिक बैट द्वारा पथ मरम्मत किया गया। प्रस्तुत प्राक्कलन में कराए गए कार्य में ब्रिक बैट, 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 भांरित होगा। यथाशीघ्र प्राक्कलन की स्वीकृति अपेक्षित है।


28.10.21

कनीय अभियंता,
कार्य प्रशाखा, रहुई


29/10/21

सहायक अभियंता
कार्य अवर प्रमंडल, रहुई


30/10/21

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बिहारशरीफ

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : NH-31 to Pachasa Village Through Paswan Tola
DISTRICT NALANDA
BLOCK Rahui
DIVISION Biharsharif

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	11281.45
		13162.000
	Total	13162.000
	TOTAL COST IN LACS =	0.113 0.132
	TOTAL COST OF PROJECT IN LACS =	0.113 0.132

11281.45

Asin
JE
29.10.21
RWD

By
AE
29/10/21
RWD

gm
EE
30/10/21
RWD

Sanctioned
Technically approved for Rs. 11,30,000.00
(Rupees Eleven Thousand Three
Hundred Only)
Condition and direction laid down in attached
technical notes with DPR is to be followed Strictly

Akumar
9/12/2021
S. E.
RWD

Work Circle Nalanda

9
06/12/2021

Name of Road NH-31 to Pachasa Village Through Paswan Tola
Block Rahui
District NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)	Width(m)	Thickness (m)	Qty. (Cum)
4	2.00 x	7.00	$\frac{0.4+0.7+0.3}{3}$	6.533
				6.533

Qty after deduction of wastage $\frac{12}{14} \times 6.533 = 5.606 \text{ m}^3$

For
29.10.21
J E

By
29/10/21
AP

Name of Road:-- NH-31 to Pachasa Village Through Paswan Tola
 District:-- NALANDA

Block :- Rahui

Analysis for Carriage by Road (By Tractor)

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km										Loading & Unloading Cost	Carriage Cost by Rail Head	Total *	
				Pucka / Surface					Katcha								
1	Brick bat	Cuim	Local	3.60	x	19.79	x	7.00 Km	=	Rs 221.68	3.60	x	24.73	x	1.00 Km	=	Rs 39.56
				2.25						2.25							
																	Rs. 447.91

Jein
 JE 29.10.21
 RWD

Carriage Including GST and Labour Cess For Brick Bats

gm
 EE 30/10/21
 RWD

506.1383

Analysis of Rates (FORMAT F8)

1	4.2	402	PAVEMENT CRUST LAYERS				
			Gravel/Soil Aggregate Base (Table 400.2) G.S.B Grading I				
			Construction of Gravel/Soil-aggregate base by providing well graded material, spreading in uniform layers with motor pn prepared suface, 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 A Material				
			Unit = cum				
			Taking output = 300 cum				
		a)	Labour				
			Mate	day	0.40	407.00	162.80
			Mazdoor (Skilled)	day	2.00	407.00	814.00
			Mazdoor (Unskilled)	day	8.00	321.00	2568.00
		b)	Machinery				
			Motor Grader	hour	12.00	630.00	7560.00
			Three wheel 80-100 kN static roller @ 10 cum per hour	hour	30.00	883.00	26490.00
			Tractor with Rotavator 25 cum per hour	hour	12.00	630.00	7560.00
			Water tanker 6 kl capacity	hour	5.00	0.00	0.00
		c)	Material				
			Well graded granular sub-base material including GST, Lbour Cess and Seignorage Fee with Carriage	cum	300.00	1200.00	360000.00
			26.5 mm to 4.75 mm @ 45%	cum	0.00	501.62	0.00
			2.36 mm below @ 20% (Local Sand)	cum	0.00	117.66	0.00
			Water	kl	0.00	40.00	0.00
		d)	Overheads @ 6 % on (a+b+c)				40515.48
		e)	Contractor's profit @ 10% on (a+b+c+d)				26740.22
			Cost of GSB for 300 cum				472410.50
				CUM			1,574.70

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 tractor 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	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 1 cum bucket capacity @25 cum/hour	hour	0.083	1543	128.069
		c) Overhead charges @ 0.06 on (a+b)				23.774
		d) contractor profit @ 0.0 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	hour	0.667	630.00	420.210
		Time taken for onward haulage with load	hour	0.4	630.00	252.000
		Time taken for empty return trip				672.210
		Total				40.333
		b) Add overhead charges @0.06				0.000
		c) Add contractor profit @0.0				712.543
		cost for 36 t km = a+b+c				19.793
		Rate per t km = (a+b+c)/36				
	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	hour	0.833	630.00	524.790
		Time taken for onward haulage with load	hour	0.5	630.00	315.000
		Time taken for empty return trip				839.790
		Total				50.387
		b) Add overhead charges @0.06				0.000
		c) Add contractor profit @0.0				890.177
		Cost for 36 t km = a+b+c				24.727
		Rate per t km = (a+b+c)/36				