

Inspection Report For Flood Damage Work

Date :- 25/11/2021

1. Name of PIUs :- En. Bijay Kumar

2. Name of Block/Road :- Sarmera/ L024 - Dhanawan pih To Kajichak

A. For Road

1. Damage Location/Chainage :-

2. Damage Length :- 21.00 Meter

3. Nature of Damage :- Breach & Crust Damage.

4. Details of Restoration Works :-

i. Material being used in Restoration Works:- Bricks Best d. G.S.B

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

iii. Procedure taken up in Restoration Works:- departmental

iv. Restored Length:- 21.00 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:-

ND

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 with satisfying.

Signature of JE/AE/EE

25/11/21

Signature of verifying officer

25/11/2021



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Govt. of Bihar

FDR(Motorable)

Estimate for Motorable of Road from L024-Dhanawan Dih to Kajichak (VR9) in Nalanda District.



Name of the Road :-

L024-Dhanawan Dih to Kajichak (VR9)

DISTRICT	:	NALANDA	
DIVISION	:	Biharsharif	
BLOCK	:	Sarmera	
TOTAL COST OF CONSTRUCTION	:	7.841	Lac
TOTAL COST OF PROJECT	:	7.841	Lac

7.715 6.640 Lac

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-BIHARSHARIF

पथ का नाम :—एल024 धनावॉ डीह से काजीचक (VR9)

प्राक्कलित राशि :— 7.715 6.64

प्रतिवेदन 6.64

प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 7.715 लाख है ग्रामीण कार्य विभाग, कार्य प्रमंडल, बिहारशरीफ अन्तर्गत सरमेरा 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 धनायन 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 21 मीटर लंबाई में पूर्णतः कट गया फलतः आवागमन बाधित हो गया एवं ग्रामीणों का अन्य जगह से संपर्क टुट गया।

विभागीय निर्देशानुसार टुटे 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 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 अचल 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।

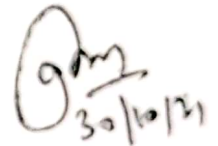
इस योजना की राशि FDR (3054) में भारित होगा। यथाशीघ्र प्राक्कलन की स्वीकृति अपेक्षित है।



कनीय अभियंता,
कार्य प्रशाखा, सरमेरा



सहायक अभियंता
कार्य अवर प्रमंडल, सरमेरा



कार्यपालक अभियंता,
कार्य प्रमंडल, बिहारशरीफ

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : L024-Dhanawan Dih to Kajichak (VR9)

DISTRICT NALANDA
BLOCK Sarmera
DIVISION Biharsharif

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	645474.00 753056.000
5	GSB	31062.130
	Total	784118.130
	TOTAL COST IN LACS =	18435 = 7.841
	TOTAL COST OF PROJECT IN LACS =	7.841

JE
RWD
29/10/21

AE
RWD
23/10/21

EE
RWD
30/10/21

Sanctioned
Technically approved for Rs. 663900 =

(Rupees Six Lacs Sixty Three Thousand
Nine Hundred only)

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

sd-

S. E.

RWD

Work Circle Nalanda.

certified copy

अधोक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल (नालन्दा)
06/12/2021

Name of Road	L024-Dhanawan Dih to Kajichak (VR9)
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Scanned with CamScanner

Name of Road L024-Dhanawan Dih to Kajichak (VR9)

Block Sarmera

District NALANDA

Calculation of GSB

Sl.No	Lenth (m)		Width(m)		Thickness (m)		Qty. (Cum)
1	21.00	x	3.50	x	0.150	=	11.025
							<u>11.025</u>

①①
29/10/24
3B

①①
29/10/24
K

Name of Road L024-Dhanawan Dih to Kajichak (VR9)
Block Sarmera
District NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)	Width(m)	Thickness (m)	Qty. (Cum)
1	21.00	$\frac{3.20+5.70}{2}$	$\frac{3.50+4.50}{2}$	373.800

Net qty after deduction of 10% = $\frac{12}{14} \times 373.80 = \frac{373.800}{1.1667} = 320.399 \text{ m}^3$

(111)
29/10/21
78

29/10/21
m

Analysis for Carriage by Road (By Tractor)

Name of Road:- L024-Dhanawan Dih to Kajichak (VR9)
District:- NALANDA

Block:- Sarmera

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	x	19.79	x	7.00 Km	=	Rs 221.68	3.60	x	24.73	x	1.00 Km	=	Rs 39.56	186.67	0.00	Rs. 447.91
				2.25	x					2.25	x									

Carriage Including GST and Labour Cess For Brick Bats

506.1383

(Signature)
JE 29/11/21
RWD

(Signature)
AE 29/11/21
RWD

(Signature)
EE 30/11/21
RWD

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 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
		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
		Water tanker 6 kl capacity	hour	5.00	0.00
	c)	Material			
		Well graded granular sub-base material including GST, Labour Cess and Seignorage Fee with Carriage	cum	383.00	1200.00
		Cost of GSB for 300 cum			459600.00
			CUM		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		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)				0.000
		d) contractor profit @ 0.00n (a+b+c)				420.013
		Cost for 2.25 cum = (a+b+c+d)				186.673
		Rate per cum = (a+b+c+d)/2.25				
	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				