

Inspection Report For Flood Damage Work

Date :- 25/11/21

1. Name of PIUs :- En. Bijay Kumar
2. Name of Block/Road :- Samra/LOS- To G to Bari Ghansari (VR 24)

A. For Road

1. Damage Location/Chainage :-
2. Damage Length :- 31.00 meter.
3. Nature of Damage :- Flank, Crust & Brecker.
4. Details of Restoration Works :-
 - i. Material being used in Restoration Works:- Bricks, Batts & G.S.B
 - ii. Equipments/ Tools being used in Restoration Works:- JCB, Roller & tractor
 - iii. Procedure taken up in Restoration Works:- Departmental
 - iv. Restored Length:- 31.00 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:-

C. Requirement Of New CD/Bridge

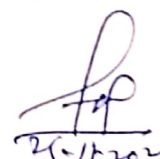
- i. Name of Road:-
- ii. Location Chainage:-
- iii. Type of CD Work/Length Required

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


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 L055-T06 to Bari Ghariyari (VR24) in Nalanda District.



Name of the Road :-

L055-T06 to Bari Ghariyari (VR24)

DISTRICT	:	NALANDA	
DIVISION	:	Biharsharif	
BLOCK	:	Sarmera	
TOTAL COST OF CONSTRUCTION	:	8.765 9.800	Lac
TOTAL COST OF PROJECT	:	8.765 9.800	Lac ✓

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-BIHARSHARIF

पथ का नाम :- L055- T06 बड़ी घरीयारी

प्राक्कलित राशि :- 9.800 लाख

8:765

प्रतिवेदन

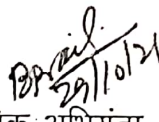
प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 9.800 लाख है ग्रामीण कार्य विभाग, कार्य प्रमंडल, बिहारशरीफ अन्तर्गत बिन्दु प्रखंड में वर्ष-2021 में आयी बाढ़ के कारण क्षतिग्रस्त पथ के मरम्मत हेतु तैयार किया गया है।

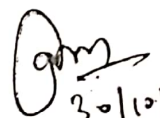
उपर्युक्त पथ का निर्माण प्रधानमंत्री ग्राम सड़क योजनान्तर्गत किया गया है। वर्ष-2021 में गोईठवा नदी में आई बाढ़ के कारण पथ के ऊपर से पानी का बहाव शुरू हो गया एवं पानी बहाव के कारण मिट्टी का कटाव हुआ एवं पथ 24 मीटर लंबाई में पूर्णतः कट गया फलतः आवागमन बाधित हो गया एवं ग्रामीणों का अन्य जगह से संपर्क टुट गया।

विभागीय निर्देशानुसार टूटे हुए भाग को ईट के टुकड़ों से भरने के उपरान्त उसके ऊपर GSB का एक परत देकर आवागमन को चालू किया गया। प्रस्तुत प्राक्कलन में कराए गए कार्य में में ब्रिक वेंट 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 डुलाई 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।


कमीय अभियंता,
कार्य प्रशाखा, बिन्दु
सुरभरा


सहायक अभियंता
कार्य अवर प्रमंडल, बिन्दु
सुरभरा


कार्यपालक अभियंता,
कार्य प्रमंडल, बिहारशरीफ

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : L055-T06 to Bari Ghariyari (VR24)
DISTRICT NALANDA
BLOCK Samera
DIVISION Biharsharif

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	862.852500
5	GSB	13644.860
	Total	980021.860
	TOTAL COST IN LACS =	9.800
	TOTAL COST OF PROJECT IN LACS =	9.800

100
18/10/21
RWD

100
18/10/21
AE
RWD

100
18/10/21
EE
RWD

Sanctioned
Technically approved for Rs. 8,76,500.00
(Rupees Eight Lacs Seventy Six
Thousand Six Hundred only.)
Condition and direction laid down in attached
technical notes with DPR is to be followed Strictly

501 -

S. E.
RWD

Work Circle Nalanda

Certified copy
18/12/21

अधीक्षक, उच्च शिक्षा
ग्रामीण कार्य विभाग
कार्य अंचल (नालन्दा)

18/12/21

anda District.

Name of Road		L055-T06 to Bari Ghariyari (VR24)						
Sl. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE
1	SUB HEAD : EARTHWORK, BRICKS BATS, SAND FILLING Construction of Bricks Bats							
	Supplying Brick bats with carriage at site including labour cess , GST and seignorance fee (excluding over head and CP)							
2	Carrige for Brick bats including labour cess & GST (excluding over head and CP)	cum					422.30 479.688	1,168. 506.1
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					422.30 479.688	506.1 321.0
4	Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS Supplying GSB with carriage at site including labour cess , GST and seignorance fee (excluding over head and CP)	No					452.998 508.469	321.0 1,672.1
	Qty of GSB from Measurement Sheet							
							8.160	1,672.1
	C) SUB TOTAL OF CRUST							
	TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)							

AE
29/10/21

~~2/10/19~~

EE
2003/10/11
5095-8-101
8,964,968

RWD

RWD

Page 3

RWD

Name of Road L055-T06 to Bari Ghariyari (VR24)
Block Sarmera
District NALANDA

Calculation of GSB

Sl.No	Lenth (m)		Width(m)		Thickness (m)		Qty. (Cum)
1	24.00	x	3.40	x	0.100	=	8.160
							<u>8.160</u>

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29/10/24
N.E.

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Name of Road L.055-T06 to Bari Ghariyari (VR24)
Block Sarmera
District NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)	Width(m)	Thicknss (m)	Qty. (Cum)
1	24.00	$\frac{3.50+8.50}{2}$	$\frac{2.1+4.10+3.5}{3}$	465.600
2	7.00	$\frac{0.6+1.70}{2}$	$\frac{1.60+1.90}{2}$	14.088
				479.688

Net Qty after deduction of voids $\frac{12}{14} \times 479.688 = 428.30$

①
29/10/24
78

29/10/24
82

Analysis for Carriage by Road (By Tractor)
Name of Road:-- L055-T06 to Bari Ghariyari (VR24)
District:-- NALANDA

Block :- Sarmera

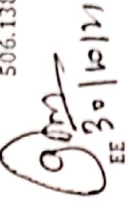
Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead In Km												Loading & Unloading Cost	Carriage Cost by Rail Head	Total
				Pukka / Surface						Katcha								
1	Brick bat	Cum	Local	3.60	x	19.79	x	7.00 Km	=	Rs 221.68	3.60	x	24.73	x	1.00 Km	=	Rs 39.56	
				2.25						2.25								Rs 447.91

Carriage Including GST and Labour Cess For Brick
Bats

506.1383


J.C.
RWD


A.E.
RWD


E.E.
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				
		Mazdoor (Skilled)	day	0.48	407.00	195.36
		Mazdoor (Unskilled)	day	2.00	407.00	814.00
	b)	Machinery				
		Tractor with Trolley	hour	6.00	630.00	3780.00
		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
		Water tanker 6 kl capacity	hour	5.00	0.00	0.00
	c)	Material				
		Well graded granular sub-base material including GST, Labour Cess and Seignorage Fee with Carriage				
		Cost of GSB for 300 cum	cum	383.00	1200.00	459600.00
						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 @ 0.0 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				