

Inspection Report For Flood Damage Work

Date :- 25-11-2021

1. Name of PIUs :- Eo. Bijay Kumar

2. Name of Block/Road :- Biharsharif / Makhuwa to Singthi in Chhabilapur

A. For Road

1. Damage Location/Chainage :- 3.20 to 3.25 Km.

2. Damage Length :- 13.0 M.

3. Nature of Damage :- Crust Flank & Breaches

4. Details of Restoration Works :-

i. Material being used in Restoration Works :- Brick Bat, Hume Pipe & 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 :- 13.0 M.

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 :- ~~Makhuwa to Singthi~~

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

Signature
25/11/21

Signature of verifying officer
25/11/2021



ग्रामीण कार्य विभाग

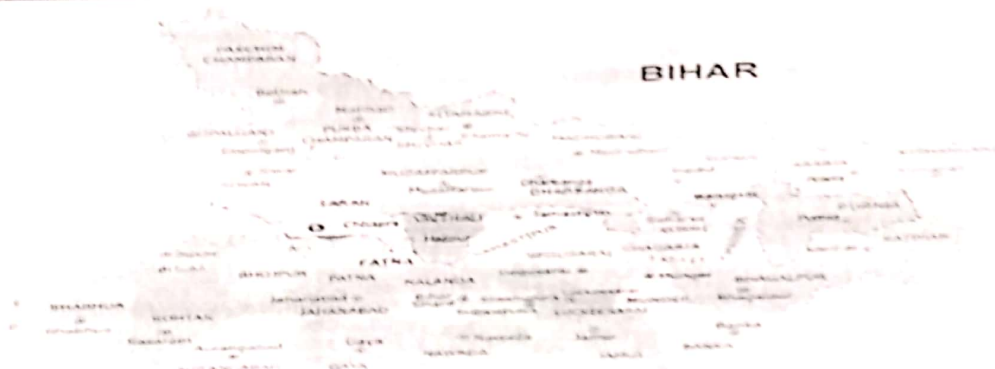
Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Govt. of Bihar

FDR(Motorable)

Estimate for Motorable of Road from Makduane to Singthu via Chhabilapur.in Nalanda District.



Name of the Road :-

Makduane to Singthu via Chhabilapur.

DISTRICT	:	NALANDA	
DIVISION	:	Biharsharif	
BLOCK	:	Biharsharif	
TOTAL COST OF CONSTRUCTION	:	1.765 1.556	Lac
TOTAL COST OF PROJECT	:	1.765 1.556	Lac

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-BIHARSHARIF

पथ का नाम :- मकदुआने से सिंगथु भाया छविलापुर
प्राक्कलित राशि :- 1.765 लाख
1.554

प्रतिवेदन 1.554

प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 1.765 लाख है ग्रामीण कार्य विभाग, कार्य प्रमंडल, बिहारशरीफ अन्तर्गत बिहारशरीफ प्रखंड में वर्ष-2021 में आयी बाढ़ के कारण क्षतिग्रस्त पथ के मरम्मत हेतु तैयार किया गया है।

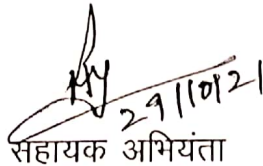
उपर्युक्त पथ का निर्माण मुख्यमंत्री ग्राम संपर्क योजनान्तर्गत किया गया है। वर्ष-2021 में सोईवा नदी में आई बाढ़ के कारण पथ के उपर से पानी का बहाव शुरू हो गया एवं पानी बहाव के कारण मिट्टी का कटाव हुआ एवं पथ 8 मीटर लंबाई में पूर्णतः कट गया फलतः आवागमन बाधित हो गया एवं ग्रामीणों का अन्य जगह से संपर्क टुट गया।

विभागीय निर्देशानुसार टुटे हुए भाग 1000mm Dia का हयूम पाईप डालकर ईंट 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 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 ढुलाई 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।


29/10/21

कनीय अभियंता,
कार्य प्रशाखा, बिहारशरीफ


29/10/21

सहायक अभियंता
कार्य अवर प्रमंडल, बिहारशरीफ


30/10/21

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बिहारशरीफ

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : Makduane to Singthu via Chhabilapur

DISTRICT NALANDA

BLOCK Biharsharif

DIVISION Biharsharif

Sl. No.	DESCRIPTION	AMOUNT (LACS)
1	BRICK BATS	126108.2
5	GSB	6688.658
6	H.P	22642.125
	Total	155439.0
	TOTAL COST IN LACS =	155439.0
	TOTAL COST OF PROJECT IN LACS =	155439.0

Arun
29/10/21
JE
RWD

Ry
29/10/21
AE
RWD

Total - 155439 Lac

Gom
30/10/21
EE
RWD

Sanctioned
Technically approved for Rs. 155400.00.
(Rupees. ~~Five~~ ^{Five} Lacs. Fifty Five Thousand
Five Hundred only.)
Condition and direction laid down in attached
technical notes with DPR is be followed Strictly

Arun
9/12/2021

S. E.

RWD

Work Circle Nalanda

706/12/2021

Estimate for Motorable of Road from Makduane to Singthu via Chhabilapur.in Nalanda District.

Makduane to Singthu via Chhabilapur.

Sl. No.	Name of Road	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
SUB HEAD : EARTHWORK, BRICKS BATS, SAND FILLING										
Construction of Bricks Bats										
1		Supplying Brick bats with carriage at site including labour cess, GST and seigniorance fee (excluding over head and CP)	cum					62.60 73.029	1,168.20	73,129.20 85,312.00
2		Carriage for Brick bats including labour cess & GST (excluding over head and CP)	No					62.60 73.03	506.138	31,684 36,963.00
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					66.34 77.44	321.00	21,295.56 24,849.00
4		Supplying GSB with carriage at site including labour cess, GST and seigniorance fee (excluding over head and CP)						A	126,148	12,61,47,124.00
Qty of GSB from Measurement Sheet										
								4.000	1,672.16	6,688.66
5		Providing and laying 600 mm dia NP3:Hp etc.	No	3.00	2.50			7.50	3,018.95	22,642.13
									B) SUB TOTAL OF CRUST =	
									TOTAL COST OF PAVEMENT IN RS. (A+B) =	
									15,54,38.79	
									Say 15,54,39.00	

JE
29/10/21

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29/10/21

RWD
30/10/21

Total - 1,05,54,600

Name of Road Makduane to Singthu via Chhabilapur.
Block Biharsharif
District NALANDA

Calculation of GSB

Sl.No	Lenth (m)		Width(m)		Thickness (m)		Qty. (Cum)
1	8.00	x	$\frac{4.5+5.5}{2}$	x	0.100	=	4.000
							<u>4.000</u>

[Signature]
29/10/21
J. E

[Signature]
29/10/21
AB

Name of Road Makduane to Singthu via Chhabilapur.
Block Biharsharif
District NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)		Width(m)		Thickness (m)		Qty. (Cum)
1	8.00	x	5.0+6.0 2	x	1.600	=	70.400
2	3.0+5.0 2	x	4.50	x	0.500	=	9.000
4	-0.7657	x	(1.23)2	x	5.500	=	-6.371
							73.029

Net Qty after deduction of voids = $73.029 \times \frac{12}{14} = 62.60 \text{ m}^3$

Amur
29/10/21
2E

By
29/10/21
AR

Analysis for Carriage by Road (By Tractor)

Name of Road:- Makduane to Singthia via Chhabilapur.

District:- NALANDA

Block :- Biharsharif

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						2.25										

29/10/21
JE
RWD

Carriage Including GST and Labour Cess
For Brick Bats

29/10/21
AE
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506.1383
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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 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	day	0.48	407.00
		Mate	day	2.00	407.00
		Mazdoor (Skilled)	day	10.00	321.00
		Mazdoor (Unskilled)			
	b)	Machinery	hour	6.00	630.00
		Tractor with Trolley	hour	30.00	883.00
		8-10 Ton Smooth Wheeler Roller	hour	12.00	630.00
		Tractor with Trolley 25 cum per hour			
	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	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
		Mazdoor 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				
		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