

Inspection Report For Flood Damage Work

Date :- 21/11/2021

1. Name of PIUs :- For Bijay Kumar

2. Name of Block/Road :- Rahui/ To 4 saidi more to Babak saidi

A. For Road

1. Damage Location/Chainage :- 00 To 2.640 Km

2. Damage Length :- 0.207 Km

3. Nature of Damage :- Crest and flank

4. Details of Restoration Works :-

- Material being used in Restoration Works:- GSB, Brick Bat and sand bag
- Equipments/ Tools being used in Restoration Works:- JCB, Roller and Tractor
- Procedure taken up in Restoration Works:- Departmental
- Restored Length:- 0.207 Km

B. For Bridge

1. Damage Location/Chainage:-

2. Damage Length:-

3. Nature of Damage:-

4. Details of Restoration Works:-

- Material being used in Restoration Work:-
- Equipments/ Tools being used in Restoration Works:-
- Procedure taken up in Restoration Works:-
- Restored Length:-

NA

C. Requirement Of New CD/Bridge

i. Name of Road:-

ii. Location Chainage:-

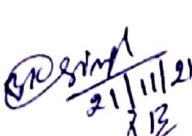
iii. Type of CD Work/Length Required

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.


21/11/21
812

Signature of JE/AE/EE


21.11.2021

Signature of verifying officer



ग्रामीण कार्य विभाग

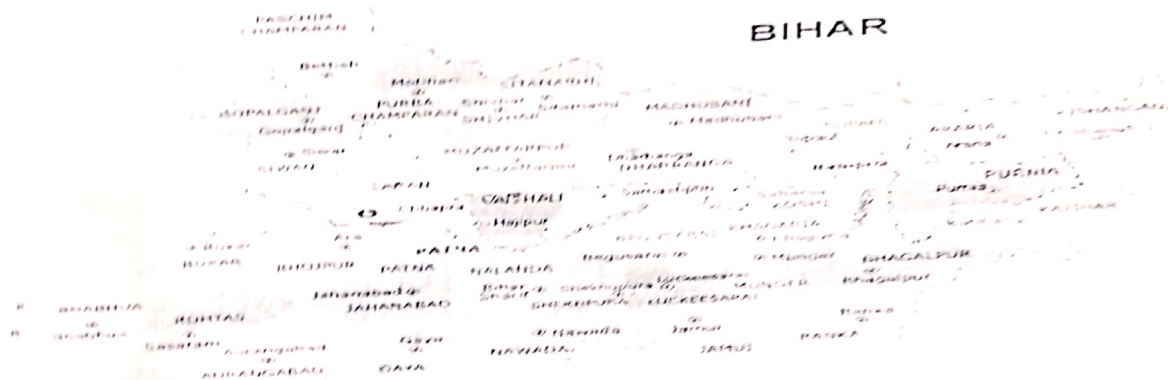
Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Govt. of Bihar

FDR(Motorable)

Estimate for Motorable of Road from NH-31 Dhamauli to Bihar Nijay Road to Khirauna via Mubarkpur in Nalanda District.



Name of the Road :-

T04 Saidi More To Basaksaidi

DISTRICT	:	NALANDA	
DIVISION	:	Biharsharif	
BLOCK	:	Rahui	
TOTAL COST OF CONSTRUCTION	:	7.538 6.617	Lac
TOTAL COST OF PROJECT	:	7.538 6.617	Lac

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-BIHARSHARIF

पथ का नाम :- टी04 सैदी मोड़ से बासक सैदी

प्राक्कलित राशि :- 6.807 लाख
6.617

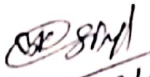
प्रतिवेदन 6.617

प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 6.807 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-II 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 18 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 उसके उपर GSB का एक परत देकर आवागमन को चालू किया गया। पूर्ण रूप से कटे हुए फलैंक में Sand Bag द्वारा पथ मरम्मत किया गया। प्रस्तुत प्राक्कलन में कराए गए कार्य में ब्रिक बैट, Sand Bag 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।

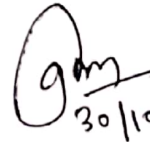
इस योजना की राशि FDR (3054) में भारित होगा। यथाशीघ्र प्राक्कलन की स्वीकृति अपेक्षित है।


29/10/21

कनीय अभियंता,
कार्य प्रशाखा, रहई


29/10/21

सहायक अभियंता
कार्य अवर प्रमंडल, रहई


30/10/21

कार्यपालक अभियंता,
कार्य प्रमंडल, बिहारशरीफ

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : T04 Saidi More To Basaksaidi

DISTRICT NALANDA
BLOCK Rahui
DIVISION Biharsharif

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	552907.00 645056.000
2	GSB & Sand Bag	108760.520
	Total	753816.524
	TOTAL COST IN LACS =	6.617
	TOTAL COST OF PROJECT IN LACS =	7.538

[Signature]
29/10/21
JE
RWD

[Signature]
27/11/21
AE
RWD

6.617
[Signature]
30/10/21
EE
RWD

Sanctioned
Technically approved for Rs....6,61,700.00.
(Rupees...Six...hundred...seventy...one...thousand
...seven...hundred...only...)
Condition and direction laid down in attached
technical notes with DPR is be followed Strictly

[Signature]
9/12/2021
S. E.
RWD

Work Circle Nalanda

[Signature]
06/12/2021

Estimate for Motorable of Road from NH-31 Dhamauli to Bihar Nijay Road to Khirauna via Mubarkpur in Nalanda District.

Name of Road T04 Saidi More To Basaksaidi

Sl. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
	SUB HEAD : EARTHWORK, BRICKS BATS, SAND FILLING								
1	Construction of Bricks Bats								
	Supplying Brick bats with carriage at site including labour cess , GST and								
2	Carrige for Brick bats including labour cess & GST (excluding over head and CP)	cum					274.45 320.191	1,168.20	320612.15 3,74,047.00
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					320.191 274.45	506.138	1,62,061.00 1,38,910.55
		No					339.402 290.92	321.00	1,08,948.00 93,385.12
	Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS								6,45,056.00 5,52,907.43
4	Supplying GSB with carriage at site including labour cess , GST and								
	Qty of GSB from Measurement Sheet						1.725	1,672.16	2,884.48
5	Supplying Empty Cement Bag at site including labour cess , GST and	No					3348.00	4.48	14,999.04

Sl. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
6	Supplying Sand with Carriage at site including labour cess, GST and seignorance fee (excluding over head and CP)	Cum					113.878	156.030	17,768.00
7	Supplying unskilled labour for Sand Including labour cess & GST (excluding over head and CP)	No					227.755	321.00	73,109.00
C) SUB TOTAL OF CRUST =									1,08,760.52
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F) =									7,53,846.52
JE <u>29/10/21</u> RWD EE <u>30/10/21</u> RWD									661667.52

10 Total = 6,61,669 = 00

Name of Road T04 Saidi More To Basaksaiddi
Block Rahui
District NALANDA

Calculation of GSB

Sl.No	Lenth (m)	Width(m)	Thickness (m)	Qty. (Cum)
1	10.00	1.15	0.150	1.725
Total				1.725

Handwritten signatures and dates:
29/10/21
29/10/21
AA

Name of Road T04 Saidi More To Basaksaidi
Block Rahui
District NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)	Width(m)	Thickness (m)	Qty. (Cum)
1	12.00 x	$\frac{1.0+1.50}{2}$ x	1.500	= 22.500
2	5.50 x	0.75 x	1.000	= 4.125
3	4.00 x	$\frac{0.90+1.20}{2}$ x	1.200	= 5.040
4	14.00 x	$\frac{0.60+1.20}{2}$ x	2.000	= 25.200
5	9.00 x	$\frac{0.9+2.0}{2}$ x	2.000	= 26.100
6	4.00 x	$\frac{0.70+1.80}{2}$ x	1.900	= 9.500
7	9.00 x	$\frac{0.60+1.80}{2}$ x	2.000	= 21.600
8	1.50 x	$\frac{0.60+1.0}{2}$ x	1.200	= 1.440
9	17.60 x	$\frac{0.70+1.80}{2}$ x	2.000	= 44.000
10	3.60 x	$\frac{1.0+1.75}{2}$ x	2.000	= 9.900
11	9.50 x	$\frac{1.0+1.80}{2}$ x	2.000	= 26.600
12	10.50 x	$\frac{1.0+1.4}{2}$ x	1.000	= 12.600
13	3.50 x	$\frac{1.0+1.60}{2}$ x	2.200	= 10.010
14	4.00 x	0.80 x	1.000	= 3.200
15	1.60 x	0.90 x	1.000	= 1.440
16	4.40 x	$\frac{0.95+1.80}{2}$ x	1.500	= 9.075
17	4.50 x	$\frac{0.60+1.90}{2}$ x	2.100	= 11.813

18	7.20	x	$\frac{0.60+1.0}{2}$	x	1.100	=	6.336
19	8.30	x	$\frac{0.60+1.20}{2}$	x	1.000	=	7.470
19	2.60	x	1.00	x	0.900	=	2.340
19	19.20	x	$\frac{0.60+1.40}{2}$	x	1.500	=	28.800
19	4.00	x	$\frac{0.60+1.50}{2}$	x	1.900	=	7.980
19	5.00	x	0.60	x	0.600	=	1.800
19	4.00	x	0.60	x	0.600	=	1.440
19	15.00	x	0.60	x	0.600	=	5.400
19	15.00	x	0.60	x	0.600	=	5.400
19	3.75	x	$\frac{1.10+1.40}{2}$	x	1.000	=	4.688
19	2.50	x	$\frac{0.80+1.50}{2}$	x	1.000	=	2.875
19	2.00	x	$\frac{0.70+1.20}{2}$	x	0.800	=	1.520

320.191

Net qty after deduction of voids

29/10/21
8E

$\frac{12}{14} \times 320.191 \text{ m}^3$
29/10/21
AB

= 274.45 m³

Analysis for Carriage by Road (By Tractor)

Name of Road:- T-04 Saidi More To Basaksaidi
 District:- NALANDA

Block :- Rahui

Block :- Rahui																				
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											
																	186.67	9.00	Rs. 447.91	

[Signature]
 JE
 29/10/21

Carriage Including GST and Labour Cess
 For Brick Bats

[Signature]
 AE
 29/10/21

[Signature]
 EE
 30/10/21

506.1383

RWD

RWD

Analysis of Rates (FORMAT F8)

	PAVEMENT CRUST LAYERS				
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	0.40	407.00	195.36
	Mazdoor (Skilled)	day	2.00	407.00	814.00
	Mazdoor (Unskilled)	day	10.00	321.00	3210.00
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
c)	Material				
	Well graded granular sub-base material including GST, Labour Cess and Seignorage Fee with Carriage	cum	383.00	1200.00	459600.00
					501649.36
	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				
		Male	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				