

Inspection Report For Flood Damage Work

Date :- 21.11.2021

1. Name of PIUs :- *er Bijay Kumar.*
2. Name of Block/Road :- *Rahui/Rahui Mahadipur ke kona To Dulchandpur village*

A. For Road

1. Damage Location/Chainage :- *100 to 695.00 mtr.*
2. Damage Length :- *48.80 mtr.*
3. Nature of Damage :- *crust and flank.*
4. Details of Restoration Works :-
 - i. Material being used in Restoration Works:- *Brickbat and sand Bag.*
 - ii. Equipments/ Tools being used in Restoration Works:- *J.C.B and Tractor.*
 - iii. Procedure taken up in Restoration Works:- *Departmental*
 - iv. Restored Length:- *48.80 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:-
 - iii. Procedure taken up in Restoration Works:-
 - iv. 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 completed.

[Signature]
21.11.21
Signature of JE/AE/EE

[Signature]
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 Rahui Mahdipur ke Kona to Dulchanpur Village in Nalanda District.



Name of the Road :-

Rahui Mahdipur ke Kona to Dulchanpur Village

DISTRICT	:	NALANDA	
DIVISION	:	Biharsharif	
BLOCK	:	Rahui Hind	
TOTAL COST OF CONSTRUCTION	:	7.241	Lac
TOTAL COST OF PROJECT	:	7.241	Lac

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-BIHARSHARIF

पथ का नाम :- रहुई महददीपुर के कोना से दुलचन्दपुर

प्राक्कलित राशि :- 7.241 लाख

प्रतिवेदन

प्रस्तुत प्राक्कलन जिसकी प्राक्कलित राशि 7.241 लाख है ग्रामीण कार्य विभाग, कार्य प्रमंडल, बिहारशरीफ अन्तर्गत रहुई प्रखंड में वर्ष-2021 में आधी बाढ़ के कारण क्षतिग्रस्त पथ के मरम्मत हेतु तैयार किया गया है।

उपर्युक्त पथ का MMGSY 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 48.80 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 भाग में ब्रिक बैट एवं Sand Bag द्वारा पथ मरम्मत किया गया। प्रस्तुत प्राक्कलन में कराए गए कार्य में ब्रिक बैट एवं Sand Bag 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।

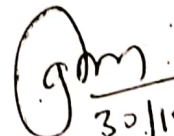
इस योजना की राशि FDR (3054) में भारित होगा। यथाशीघ्र प्राक्कलन की स्वीकृति अपेक्षित है।


29.10.21

कनीय अभियंता,
कार्य प्रशाखा, 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 : Rahui Mahdipur ke Kona to Dulchanpur Village

DISTRICT NALANDA

BLOCK Bind

DIVISION Biharsharif

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	555801.000
5	GSB & Sand Bag	168302.560
	Total	724103.560
	TOTAL COST IN LACS =	7.241
	TOTAL COST OF PROJECT IN LACS =	7.241

K. Singh
29.10.21
JE
RWD

by
29/10/21
AE
RWD

gdm
30/10/21
EE
RWD

Technically ^{Sanction} approved for Rs. 7,24,100.00
(Rupees ~~7,24,100~~ Seven Lac Twenty
... Four Thousand One Hundred only)
Condition and direction laid down in attached
technical notes with DPR is be followed Strictly

Akumar
9/12/2021
S. E.
RWD

Work Circle Nalanda

706/12/2021

Estimate for Motorable of Road from Rahui Mahdipur ke Kona to Dulchanpur Village in Nalanda District.

Name of Road	Rahui Mahdipur ke Kona to Dulchanpur Village									
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 seigniorance fee (excluding over head and CP)									
		cum					275.887	1,168.20	3,22,291.00	
2	Carriage for Brick bats including labour cess & GST (excluding over head and CP)	No					275.887	506.1383	1,39,637.00	
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					292.440	321.00	93,873.00	
									5,55,801.00	
	Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS									
	Supplying GSB with carriage at site including labour cess , GST and seigniorance fee (excluding over head and CP)									
	Qty of GSB from Measurement Sheet	Cum					0.00	1,672.16	0.00	
5	Supplying Empty Cement Bag at site including labour cess , GST and	No					5322.00	4.48	23,842.56	

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					181.020	156.030	28,245.00
7	Supplying unskilled labour for Sand Including labour cess & GST (excluding over head and CP)	No					362.041	321.00	1,16,215.00
C) SUB TOTAL OF CRUST =									1,68,302.56
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F) =									7,24,103.56
JE 29.10.21 <i>Beind</i> AE 29/10/21 <i>gtr</i> EE 30/10/21 									
RWD									
RWD									

Name of Road Rahui Mahdipur ke Kona to Dulchanpur Village
Block Bind
District NALANDA

Calculation of Brick Bats

Sl.No	Length (m)		Width(m)		Thickness (m)		Qty. (Cum)
1	$\frac{9.50+13.0}{2}$	x	$\frac{1.30+3.25}{2}$	x	3.500	=	89.578
2	$\frac{19.0+18.50}{2}$	x	$\frac{1.40+3.55}{2}$	x	3.918	=	181.820
3	4.80	x	$\frac{0.50+2.0}{2}$	x	$\frac{1.50+2.70}{2}$	=	12.600
4	5.50	x	$\frac{1.30+2.90}{2}$	x	$\frac{1.30+2.50}{2}$	=	21.945
4	6.50	x	$\frac{1.00+2.50}{2}$	x	$\frac{0.60+1.40+2.20}{3}$	=	15.925
							321.868

= 275.887

Net Quantity After Deduction of Voids @ 12/14*321.868

Kein
29.10.21
J E

By
29/10/21
AB

Analysis for Carriage by Road(By Tractor)

Name of Road:-- Rahui Mahdipur ke Kona to Dulchanpur Village

District:- NALANDA

Block :- Bind

SI 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										
				3.60	x	19.79	x	7.00 Km	=	Rs 221.68	3.60	x	24.73	x	1.00 Km				=	Rs 39.56
1	Brick bat	Cum	Local	2.25														186.67	0.00	Rs. 447.91

Jein
29.10.21
JE

RWD

Carriage Including GST and Labour Cess
For Brick Bats

By 29/10/21
AE

RWD

Om 30/10/21
EE
RWD

506.1383

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 pn prepared suface. mixing by mix in place method with rotavator at OMC, and compacting with three wheel80-100 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	195.36
		Mate	day	2.00	407.00	814.00
		Mazdoor (Skilled)	day	10.00	321.00	3210.00
		Mazdoor (Unskilled)				
	b)	Machinery	hour	6.00	630.00	3780.00
		Tractor with Trolley	hour	30.00	883.00	26490.00
		8-10 Ton Smooth Wheeler Roller	hour	12.00	630.00	7560.00
		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	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				
		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				