



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

YEAR (2021 - 2022)

FDR

PART A

STATE :- BIHAR
DISTRICT :- Samastipur
BLOCK :- Sarairanjan

NAME OF ROAD :- Detailed Estimate For Repair of Flood
Damaged in Lagma To Musapur , Bahadurpur
Amroli Path

TOTAL COST OF PROJECT :- Rs. ~~21.109~~ Lacs
17.83 lacs

SUBMITTED BY:

EXECUTIVE ENGINEER
RWD (W) DIVISION, DALSINGHSARAI
SAMASTIPUR

FDR

YEAR (2021 - 2022)

GENERAL ABSTRACT OF COST

Block:--Sarairanjan

District:--Samastipur

Name of Road:--

**Detailed Estimate For Repair of Flood Damaged in Lagma To
Musapur , Bahadurpur Amroli Path**

SL. No.	Item of Work	Amount
A		17.8299
	TOTAL COST OF REPAIR DAMAGE	21.109 Lacs
	Sub Total= (A)	21.109 Lacs
	TOTAL cost of project	21.109 Lacs

17.830 lacs.

[Signature]
22/12/21

Junior Engineer
RWD (w)Section ,
Sarairanjan

[Signature]
22/12/21

Asstt. Engineer
RWD (w)Sub Division , Sarairanjan

[Signature]
02.12.2021

Executive Engineer
RWD (w) Division,
Dalsinghsarai

*Technical Approved for Rs 17.83 Lacs say Seventeen
Lacs Eighty three thousand only with 90%
12% C.P 12%*

[Signature]
10/12/21
T.A.

[Signature]
10.12.2021

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बाबो बाबोब, बाबोब**

[Signature]
402
10.12.21

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :

Detailed Estimate For Repair of Flood Damaged in Lagma To

DISTRICT

Musapur , Bahadurpur Amroli Path

BLOCK

Samastipur

Sarairanjan

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BAT	14.99 167 - 17.799
	SUB TOTAL OF PAVEMENT COST IN LACS =	14.99 2 17.799
	Sub Total :-	14.99 2 17.799
	12% GST on Total Amount :-	1.799 2.136
	1% Lab Cess :-	0.1499 0.178
	Seigniorage Fee @ 10%	0.889 0.996
	TOTAL COST OF PROJECT IN LACS(including GST 12% & 1% Lab Cess)(A+B+C) :-	21.109

17.8299



Junior Engineer

RWD (w)Section , Sarairanjan



Assistant Engineer

RWD (w)Sub Division , Sarairanjan



Executive Engineer

RWD (w) Division,
Dalsinghsarai

Sl. No.	SDB SL. NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (In Rs.)
1			Brick Bats								
			Laying Brick Bats on Prepared Soil Surface as per specifications and direction of E/L								
			Damaged Strech	cum	1.00	50.0	2.000	2.500	250.00	200	1499167
			Damaged Strech	cum	1.00	35.0	1.750	2.000	122.50	42	
			Damaged Strech	cum	1.00	30.0	1.125	2.000	67.50	37.50	
			Damaged Strech	cum	1.00	25.0	1.500	0.250	46.88	9.375	
			Damaged Strech	cum	1.00	5.20	1.100	0.250	1.43		
			Damaged Strech	cum	1.00	4.00	0.950	0.100	0.38		
			Damaged Strech (flanks)	cum	2.00	36.50	1.050	0.450	34.49		
			Damaged Strech (flanks)	cum	2.00	9.50	1.150	0.250	5.46		
			Damaged Strech (flanks)	cum	2.00	16.50	1.250	0.300	12.38		
			Damaged Strech (flanks)	cum	2.00	23.00	1.150	0.450	23.81		
			Damaged Strech	cum	1.00	4.10	0.750	1.500	4.61		
			Damaged Strech (flanks)	cum	2.00	82.00	1.200	0.450	88.56		
			Damaged Strech (flanks)	cum	2.00	53.00	0.900	0.300	28.62		
			Damaged Strech (flanks)	cum	2.00	8.00	0.800	0.200	2.56		
			Damaged Strech (flanks)	cum	2.00	25.00	0.750	0.300	11.25		
			Damaged Strech (flanks)	cum	2.00	40.00	1.150	0.300	27.60		
			Damaged Strech (flanks)	cum	2.00	20.25	1.250	0.450	22.78		
			Damaged Strech (flanks)	cum	2.00	36.00	1.050	0.300	22.68		
			Damaged Strech (flanks)	cum	2.00	12.80	0.950	0.200	4.86		
			Damaged Strech (flanks)	cum	2.00	22.0	1.250	0.450	24.75		
			Damaged Strech (flanks)	cum	2.00	6.00	1.000	0.300	3.60		
			Damaged Strech (flanks)	cum	2.00	17.50	0.900	0.250	7.88		
			Damaged Strech (flanks)	cum	2.00	10.0	1.100	0.300	6.60		
			Damaged Strech (flanks)	cum	2.00	45.00	1.250	0.250	28.13		
			Damaged Strech (flanks)	cum	2.00	8.65	1.000	0.300	5.19		
			Damaged Strech (flanks)	cum	2.00	30.60	1.175	0.250	17.98		
			Damaged Strech (flanks)	cum	2.00	87.00	1.050	0.300	54.81		
			Damaged Strech (flanks)	cum	2.00	5.25	1.100	0.200	2.31		
			Damaged Strech (flanks)	cum	2.00	12.00	1.225	0.300	8.82		
									938.41	1.896.72	
									760.40	SUB TOTAL =	
										TOTAL COST RS. =	17,79,892.01

14,99,167 =

27/11/21

14,99,167 =

Junior Engineer
RWD (w) Section, Saralranjan

Assistant Engineer
RWD (w) Sub Division, Saralranjan

Executive Engineer
RWD (w) Division, Dalsinghsarai

Sl. No.	SDB SI. NO	MORD Ref.No	Description	Unit	Quantity	Rate	Amount (In Rs.)	Total Material Required	Material Amount	Add Seigniorage Fee 10%
1	3.14	303.1	Brick Bats							
			Laying Brick Bats on Prepared Soil Surface as per specifications and direction of E/L							
			Unit = cum							
			Taking output = 2.836 cum							
		a)	Material							
			Brick Bats	Cum	2.832	1063.000	3,010.42			
			Cost for 2.836 cum = a				3,010.42			
			Rate Per Cum = (a)/2.836=	Cum			1,061.50	740.40	829.009	
			Total Cost =	Cum			1,061.50	938.41	996,117.83	99,611.78
			10% Seigniorage Fee :-							

88.900
.889

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref. No.	DESCRIPTION	Unit	Quantity	Rate	Rs.
25		C.	600/450 mm dia Hume pipe Unit = per pipe Taking output = 21 pipes				
		a)	Labour				
			Mate	day	0.02	321.00	6.42
			Mazdoor (Unskilled)	day	0.50	304.00	152.00
		b)	Machinery				
			Truck	hour	0.20	934.30	186.86
			Crane	hour	0.20	909.00	181.80
		c)	Overheads @ 12%				63.25
		d)	Contractor's profit @ 10% on (a+b+c)				59.03
			Cost for 21 pipes = a+b+c+d				649.36
			Rate per pipe = (a+b+c+d)/21				30.92
			Total Cost per p				30.92
			Total Loading & Unloading of RCC Hume Pipe per Pipe				75.90
			Total Loading & Unloading of RCC Hume Pipe	m			30.36
26	1.16	100	Setting Out Pillars Unit = 1 No. Analysis of rates per pillar shall account for following : Typical Benchmark 1 no. as per Dwg no. 200.1 of MORD Data Book (Page 1-18) The rate analysis for a typical benchmark as per dwg.				
			1. Excavation	cum	0.33	334.58	108.74
			2. P.C.C. grade M 10	cum	0.10	5942.23	594.22
			3. Brick Masonry in CM 1:4	cum	0.48	5938.84	2820.95
			4. Plastering with CM 1:4, 15 mm thick cement plaster on Brick work.	sqm	2.63	186.79	491.26
			Add 5 per cent cost of items No.1 to 4 for white washing.				200.76
			Sub Total	NO			4215.93
		A	Total 6 Nos. of Pillars required for 1 Km.	NO	6.00	4215.93	25295.58
27	1.16	100	Setting Out Pillars Unit = 1 No. Analysis of rates per pillar shall account for following : Reference Pillar 1 no. as per Dwg no. 200.2 of MORD Data Book (Page 1-18) The rate analysis for a typical benchmark as per dwg.				
			1. Excavation	cum	0.192	334.58	64.24
			2. P.C.C. grade M 10	cum	0.060	5942.23	356.53
			3. Brick Masonry in CM 1:4	cum	0.193	5938.84	1146.20
			4. Plastering with CM 1:4, 15 mm thick cement plaster on Brick work.	sqm	1.50	186.79	280.19
			Add 5 per cent cost of items No.1 to 4 for white washing.				92.36
			Sub Total	NO			1939.51
		B	Total 2 Nos. of reference pillars required for 1 Km.	NO	2.00	1939.51	3879.02
			Cost of Setting out	Km	A + B		29174.60
			Total Cost	Km			29174.60
26	OLD SOR		Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I including carriage cost of bricks.				
	8.1.3.2 (iii)		Unit = cum Assuming- 2.832 Cum				
		a)	Labour (Unskilled)				
			i) Carrying, spreading, laying & Packing	nos	1.50	304.00	456.00
			ii) Compaction brick bats with C.I. Hammer.	nos	0.67	304.00	203.68
			iii) Brick Bat	Cum	2.83	1063.00	3010.42
			iv) Local Sand	Cum	0.63	141.85	89.65
			Over Heads @ 12 % on (a+b+c)				451.17
			C. Profit @ 10 % on (a+b+c+d)				421.09
		d)	Cost for 2.832 cum = a+b+c+d				4632.01
		e)	Rate Per cum = (a+b+c+d)/2.832	cum			1635.60
			CARRIAGE				
			Carriage for Brick (1 cum Bats = 300 nos Bricks)	nos	0.300	776.64	233.10
			Rate per cum with carriage				1868.70
			Total Cost	CUM			1,868.70

कार्यपालक अभियंता, ग्रामीण कार्य विभाग कार्य प्रमंडल, दलसिंहसराय, समस्तीपुर

पत्रांक 1963
प्रेषक,

दलसिंहसराय / दिनांक 26/11/2021

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दलसिंहसराय

सेवा में,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, तेघडा।

विषय— एफ०डी०आर योजना के जांच के संबंध में।

प्रसंग— अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार पटना के ज्ञापांक — दिनांक - 13/11/2021
महाशय, 4589

उपर्युक्त विषय के संबंध में कहना है कि निम्नलिखित योजनाओं की जांच आपके द्वारा किया जाना है जिसकी सूची प्राक्कलन सहित समर्पित की जाती है।

क्र० सं०	योजना का नाम	प्रखंड	पथ की लम्बाई	प्रा० राशि	अभियुक्ति
1	L079 to Panchayat Harijan Tola	Morwa	0.210	6.23300	
2	Chakdaulat to Akha Road Village road under Ujairpur	Ujiarpur	0.028	2.12000	
3	Nh 28: mazar satanpur to andaha	Ujiarpur	0.060	1.96526	
4	Angar Kerai Path to Angar Kerai(Lilji)	Ujiarpur	0.114	7.73800	
5	Rosera samastipur path to Mahaveer mandir ke nikat se Baijnathpur Bhola Roy Tola Tak	Ujiarpur	0.075	8.94000	
6	Samastipur-Ujjiarpur-Sarairanjan Tajpur Path	Ujiarpur	0.450	13.01000	
7	Constriction of bridge of size 8x24.75 m. on Budhi Gandak river of Mahthi village of Bibhutipur block in Samastipur Dist.	Bibhutipur	0.186	12.10000	
8	L045-L043 to kerai (VR45)	Bibhutipur	0.205	11.44676	
9	L023-MDR TO3 to Mahti (VR23)	Bibhutipur	0.022	0.94548	
10	Samartha - Chandsurari-Surauli Road	Bibhutipur	1.248	15.33500	
11	Maheshpatti Babulal Chowk to Dhamua Road under Ujiarpur block.	Ujiarpur	1.097	16.18400	
12	Kalyanpur Mahabir Temple - Mehsari	Bibhutipur	0.645	12.13000	
13	MMGSY to Sahni Tola	Dalsinghsarai	0.114	1.32100	
14	L052-nh to jitwarpur (VR52)	Sarairanjan	0.181	2.60535	
15	T04 to Yadav Tola	Morwa	0.102	2.27553	
16	L073-T06 to Maripur (VR73)	Morwa	0.060	1.02317	
17	NH 103 Halai Bajar to Malpur chauk Bhaya Rariyahi Bandey Hat Maricha path	Morwa	0.200	2.36921	
18	L042 to Dakshin Tola tak Sadak Nirman Karya	Sarairanjan	0.239	5.58181	
19	T03 to Nagargama West	Dalsinghsarai	0.111	3.90934	
20	T01 NH to Harijan Tola	Dalsinghsarai	0.106	6.13551	
21	L039-MDR to Harshankarpur (VR39)	Dalsinghsarai	0.168	7.94500	
22	L051-T05 to Madhinur (VR51)	Dalsinghsarai	0.025	2.95700	

23	Railway Gumti Raipur Belari path to Mushari	Ujiarpur	0.245	8.30782	
24	SH-103 Petroul Pump to Pachbheda Daddanpur RCD Path(Daddanpur More Chaklul Sahi NH-103 via Pachbheda Path)	Morwa	0.175	1.85146	
25	NH103 - Rampur	Sarairanjan	0.050	2.29068	
26	Lagma to Musapur Bahadurpur Amroli	Sarairanjan	1.900	17.83000	
27	L038 to Dakshin Tola	Sarairanjan	1.095	13.57350	
28	L036 To Dakshin Tola Bhadurpur Armaluli	Sarairanjan	1.200	5.93200	

विश्वासभाजन

Chandran
16.11.2021

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमण्डल, दलसिंहसराय

अभियंता प्रमुख का कार्यालय
ग्रामीण कार्य विभाग, बिहार, पटना।

पत्रांक:- मु0अ0-4(मु0)विविध (कार्य)-23-291/2019-4589 दिनांक- 13/11/2021

प्रेषक- अशोक कुमार मिश्रा,
अभियंता प्रमुख

सेवा में,
अधीक्षण अभियंता,
सभी कार्य अंचल,
ग्रामीण कार्य विभाग।

विषय:- वर्ष 2021-22 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्य की जाँच के संबंध में।

महाशय,

वर्ष 2021-22 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्यों की शत प्रतिशत जाँच अपने अंचल के अधीन असंबद्ध कार्यपालक अभियंता एवं उनके अधीनस्थ पदाधिकारियों के दल के माध्यम से सुनिश्चित की जाय। इस जाँच दल के गठन में यह ध्यान रखा जाय कि कार्यपालक अभियंता को जाँच हेतु आवंटित प्रमंडल परस्पर एक दूसरे के प्रमंडल के न हो। जाँच हेतु अंतिम तिथि 25/11/2021 निर्धारित है। इस तरह प्राप्त जाँच प्रतिवेदन भी अन्य सूचनाओं (यथा प्राक्कलन/मापी पुस्तिका की प्रति इत्यादि) की भाँति MIS पर Upload किया जायेगा, जिसके लिए MIS में किए गए प्रावधान के अनुसार अपना जाँच प्रतिवेदन Upload करना सुनिश्चित करें। साथ ही साथ पूर्ण पुनर्स्थापन कार्य हेतु भी DPR निर्माण का कार्य भी 25/11/2021 तक कराया जाए।

उपरोक्त का अनुपालन शत प्रतिशत पथों के लिए सुनिश्चित किया जाय।

विश्वासभाजन

13/11/21
(अशोक कुमार मिश्रा)
अभियंता प्रमुख

ज्ञापांक:- मु0अ0-4(मु0)विविध (कार्य)-23-291/2019-4589 दिनांक 13/11/2021
प्रतिलिपि:- सभी कार्यपालक अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

13/11/21
अभियंता प्रमुख

ज्ञापक:- मु0अ0-4(मु0)विविध (कार्य)-23-291/2019-4589 दिनांक 13/11/2021
प्रतिलिपि:- आई0टी0 नोडल, ग्रामीण कार्य विभाग को विभागीय वेवसाइट पर अपलोड करने
हेतु प्रेषित।

~~13/11/21~~
अभियंता प्रमुख