



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

FLOOD DAMAGE REPORT

DETAIL ESTIMATE OF RESTAURATION WORK

YEAR (2021-2022)

DISTRICT :- BHOJPUR
DIVISION :- ARA
BLOCK :- AGIAON

NAME OF ROAD	:-	T04 TO MADANPUR
LENGTH OF ROAD	:-	2.00 K.M
YEAR OF RESTORATION	:-	2021-22
COST OF RESTORATION	:-	Rs 467200.00
TOTAL COST OF PROJECT	:-	Rs. 4.672 Lacs 3.934

SUBMITTED BY :-

EXECUTIVE ENGINEER

RURAL WORKS DIVISION ARA

BHOJPUR

तकनीकी प्रतिवेदन

जिला : भोजपुर
योजना का नाम : T04 से मदनपुर पथ में रेस्टोरेसन का कार्य।
पथ की लम्बाई : 2.00 कि० मी०।
प्राक्कलित राशि : 4.672 लाख।

प्रस्तुत प्राक्कलन उपरोक्त कार्य हेतु तैयार किया गया है। यह पथ आरा-सहार पथ से मदनपुर ग्राम को जोड़ने वाला एकमात्र पथ है। मदनपुर ग्राम की पुरी आबादी इसी पथ पर निर्भर है। इस पथ के किनारे से पानी बहता है। विगत दिनों में हुई भारी वर्षा के कारण इस पथ को कॉफी क्षति पहुँची है। इस पथ का कुछ पथांश ध्वस्त हो चुका था। पथ में बड़े बड़े गढे हो गये थे। पथ में सुगम यातायात हेतु ईट का टुकड़ा डालकर पथ को चालु किया गया है। यह कार्य विभागीय स्तर पर किया गया है।

यह प्राक्कलन, कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमण्डल आरा के निदेश पर तैयार किया गया है। प्राक्कलन में प्रयुक्त दर वर्तमान अनुसूचि दर (01.04.2021 से प्रभावी) पर आधारित है। कार्य हित में तकनीकी एवं प्रशासनिक अनुमोदन अपेक्षित है।



कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अगिर्यौव।



सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल अगिर्यौव।



कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल आरा।

F.D.R

YEAR (2021- 2022)

RESTAURATION WORK

GENERAL ABSTRACT OF COST

District : T04 TO MADANPUR
Division : ARA
Block : AGIAON
Name of Road : T04 TO MADANPUR
Length of Road : 2.00 K.M

SL.	Item of Work	Amount	
1	TOTAL COST OF RESTORATION	=	393438 / 4,67,206.58
2	COST OF OTHER WORK	=	0.00
	SUB TOTAL	=	4,67,206.58
	Total Cost of Project	Rs.	393438 / 4,67,206.58
	SAY	Rs.	393438 / 4,67,200.00

Bay 3.934 / 200

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15/07/21

Junior Engineer

RWD WORKS SECTION

AGIAON

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28/7/2021

Asstt. Engineer

RWD WORKS SUB-DIVISION

AGIAON

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25/07/21

Executive Engineer

RWD WORKS DIVISION

ARA

Previously in anticipation of action approval & perfect technically sanctioned Rs. 3.934 lakh (Rupees Three lacs sixty three thousand four hundred) only.

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31/7/21
Superintending Engineer
Rural Works Department
Works Circle, ARA

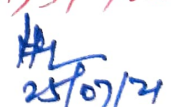
SUMMARY OF COST FOR THE FDR PROJECT

NAME OF ROAD	:	T04 TO MADANPUR
DISTRICT	:	BHOJPUR
BLOCK	:	AGIAON
CONSTITUENCY	:	AGIAON
LENGTH OF ROAD (in Km)	:	2.00 K.M
LENGTH OF BT PAVEMENT	:	150 K.M
LENGTH OF CC PAVEMENT	:	0.500 K.M
No. HABBITATION SERVED	:	1

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	MAIN WORK	
I	PREPARATORY WORKS	= 0.00
II	BRICK BATS WORK	= 340439 405720.98
	TOTAL	= 340439 405720.98
	Add 12% GST on Total Amount	= 40853 48686.52
	Add 1% Labour Cess on Total Amount	= 3404 4057.21
	Seigniorage Fees @ 10%	= 8741.87
	SUB TOTAL (A)	= 393438 467206.58
2	CROSS DRAINAGE STRUCTURES	
I	HUME PIPE	= 0.00
II	RCC	= 0.00
III	BOX	= 0.00
IV	Utility Pipe (300 mm Dia)	= 0.00
V	DISMANTLING OF CD	= 0.00
VI	REPAIR OF CD WORK	= 0.00
	TOTAL	= 0.00
	Add 12% GST on Total Amount	= 0.00
	Add 1% Labour Cess on Total Amount	= 0.00
	Seigniorage Fees @ 10%	= 0.00
	SUB TOTAL (B)	= 0.00
	TOTAL COST OF RESTORATION (A+B)	= 393438 467206.58


Junior Engineer
 RWD WORKS SECTION
 AGIAON


Asstt. Engineer
 RWD WORKS SUB-DIVISION
 AGIAON


Executive Engineer
 RWD WORKS DIVISION
 ARA

Say, 3,934 face

DETAIL ESTIMATE OF FDR

Name of Site: T04 TO MADANPUR

RCD Brick Bats

Providing and filling Brick Bats in ditches including cost of Brick Bats and labour all Complete Job as per specification and direction of E/I.

	U	L	B		D		QTY		
	Cum	12.50	2.50	Avg	0.65	Avg	20.31		
	Cum	9.50	2.05	Avg	0.75	Avg	14.61		
	Cum	7.50	2.55	Avg	0.60	Avg	11.48		
	Cum	8.20	1.90	Avg	0.60	Avg	9.35		
	Cum	9.30	1.55	Avg	0.65	Avg	9.37		
	Cum	11.20	1.85	Avg	0.75	Avg	15.54		
	Cum	13.50	2.40	Avg	0.55	Avg	17.82		
	Cum	11.00	2.10	Avg	0.50	Avg	11.55		
	Cum	6.50	2.15	Avg	0.75	Avg	10.48		
	Cum	8.50	2.40	Avg	0.40	Avg	8.16		
	Cum	11.00	2.30	Avg	0.60	Avg	15.18		
	Cum	8.50	2.50	Avg	0.75	Avg	15.94		
	Cum	9.50	2.10	Avg	0.75	Avg	14.96		
	Cum	11.40	2.00	Avg	0.60	Avg	13.68	1806.81	340439.24
Net Quantity	Cum	121.13					188.42	2,153.25	4,05,720.98
TOTAL COST IN RS.=								4,05,720.98	340439.24

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Junior Engineer
RWD WORKS SECTION
AGIAON

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25/7/2021

Asstt. Engineer
RWD WORKS SUB-DIVISION
AGIAON

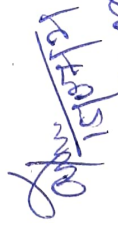
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25/07/21

Executive Engineer
RWD WORKS DIVISION
ARA

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24.11.2021

Executive Engineer
R.W.D. (W.) Div., Buxar

				SEIGNIORAGE FEE						
Name of Site: T04 TO MADANPUR										
Sl. No.	SDB SI.NO	MORD Ref.No	Description	Unit	Quantity	Rate	Amount (In Rs.)	Total Material Required	Material Amount	Seigniorage Fee 10%
BRICK BATS										
1	RCD	11.9	Providing and filling Brick Bats in ditches including cost of Brick Bats and labour all complete job as per specification and direction of E/I.							
			Unit = Cum	UNIT	QTY	RATE	AMT	QTY	AMT	
		a)	Material							
			Brick Bats	Nos	450	1.031	463.95			
			Rate Per Cum (a)				463.95			
			Total Cost =	Cum			463.95	188.42	87,418.73	8,741.87
Total Construction Cost (With 10% Seigniorage Fee) :-										8,741.87


 J.E. Aggarwal


 25/7/24


 25/7/24

ANALYSIS OF CARRIAGE BY ROAD

District : BHOJPUR Block : AGIAON
Name of Road : T04 TO MADANPUR
Cost of Haulage Excluding Loading & Unloading as per SOR

Type of Road	Per Ton. Km by Truck
For Surface Road	9.09
Unsurface Gravel Road	11.00
Kachha Road	22.13

Sl.	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km												Loading & Unloading Cost	Total
				Pucka / Surface						Katcha							
				8.00 2.00	x 9.09	x	7.00 Km	=	Rs 254.50	8.00 2.00	x 22.13	x	1.00 Km	=	Rs 88.51		
1	Brick	1000	Local														Rs. 865.47
																	Rs. 865.47

Handwritten notes:
15/07/21
25/7/2021
JB Agiaon

HAULAGE BY TRUCK

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1	1.10	(i)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-I : Surfaced Road Speed with load: 25 km per hour Speed while returning empty: 35 km per hour Machinery Tipper 10 t capacity Haulage with load Empty return trip Overheads @ 12 % on (a) Contractor's profit on (a+b) Cost for 100 t-km = a+b Rate per cum = (a+b) / 100	hour hour	0.400 0.286	1183.00 1183.00	473.20 338.34 97.38 0.00 908.92 9.09
			Rate Per Km.	Cum			9.09
2	1.10	(ii)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-II: Unsurfaced Gravel Road. Speed with load: 20 km/hour Speed for empty return trip: 30 km/hour Machinery Tipper 10 t capacity Haulage with load Empty return trip Overheads @ 12% on (a) Contractor's profit on (a+b) Cost for 100 t-km = a+b Rate per cum = (a+b) / 100	hour hour	0.50 0.33	1183.00 1183.00	591.50 390.39 117.83 0.00 1099.72 11.00
			Rate Per Km.	Cum			11.00
3	1.10	(iii)	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km				

Case-III : Katcha Track and Track in River Bed / Nallah Bed and Choe Bed.				
Speed with load: 10 km per hour				
Speed while returning empty: 15 km per hour				
Machinery				
a)			hour	1.00
			hour	0.67
				1183.00
				1183.00
				237.07
				0.00
				2212.68
				22.13
				22.13
		Rate Per Km.	Cum	
4	1.3	Loading, Unloading and Stacking of Bricks by Manual Means		
(i)		Loading of Bricks by manual means including a lead upto 30 m		
		Unit = 1000 Nos.		
		Taking output = 2000 Nos.		
a)		Labour		
		Mate	day	0.01
		Mazdoor (Unskilled)	day	0.25
				310.00
				292.00
				76.10
b)		Machinery		
		Truck	hour	0.33
				1183.00
				390.39
				390.39
				55.98
				0.00
				522.47
				261.23
				261.23
		Total Cost	Nos	
5	1.3	Unloading and Stacking of Bricks by manual means including a lead upto 30 m		
(ii)		Unit = 1000 Nos.		
		Taking output = 2000 Nos.		
a)		Labour		
		Mate	day	0.01
		Mazdoor (Unskilled)	day	0.25
				310.00
				292.00
				76.10
b)		Machinery		
		Truck	hour	0.33
				1183.00
				390.39
				390.39
				55.98
				55.98

Adar

		Contractor's profit @ 10% on (a+b+c) Cost for 2000 Nos. = (a+b+c+d) Rate for 1000 bricks = (a+b+c)/2		Total Cost		Total Lodging & Unloading of Brick Per 1000 = 261.23 + 261.23 =		Total Cost		Rate for 1000 bricks = (a+b+c)/2	
6	RCD	11.9	(A)	BRICK BATS	522.47	522.47	522.47	522.47	522.47	522.47	522.47
				Providing and filling Brick Bats in ditches including cost of Brick Bats and labour all complete job as per specification and direction of E/I.							
		a)		For 1 Cum=1.5 Cum							
				Labour							
		b)		Mazdoor (Unskilled)							
				Material							
		c)		Brick Bats							
				Carriage Cost							
		d)		No of Bricks Per Cum 300 Nos (850 for 100cft)							
				Overheads @ 12% on (a+b)							
		WRD		Total Cost (A)							
		BIHAR		Rate Per Cum=(a+b+c+d)/1.5							
		6.61		Labour for laying dry graded Jhama Khoa for stone filter under brick pitching or							
		(B)		boulder pitching in slope or including light ramming etc. all complete job as per							
				approved design and direction of E/I							
				Unit- Cum							
				Taking Output=2.832 Cum							
		a)		Labour							
				Mazdoor (Unskilled)							
		b)		Overheads @ 12% on (a)							
				Total Cost (B)							
				Rate Per Cum (B)/2.832							
				Total Cost of Brick Bats Per Cum (A+B)							
				Cum							



F.D.R (2021-22)

Name of Site	T04 TO MADANPUR
BLOCK	AGIAON
DIVISION	RWD ARA



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F.D.R (2021-22)

Name of Site
BLOCK
DIVISION

T04 TO MADANPUR
AGIAON
RWD ARA



15/7/21

25/7/2021

15/07/21

F.D.R (2021-22)

Name of Site
BLOCK
DIVISION

T04 TO MADANPUR
AGIAON
RWD APA



Latitude: 25.3094
Longitude: 84.50216
Elevation: 75.72±12 m
Accuracy: 13.2 m
Time: 13-07-2021 16:08
Note: moranpur

Powered by NoteCam



Latitude: 25.309333
Longitude: 84.500952
Elevation: 49.68±11 m
Accuracy: 129.0 m
Time: 13-07-2021 16:05
Note: moranpur

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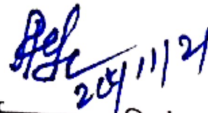
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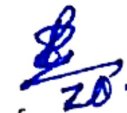
निरीक्षण प्रतिवेदन

अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, आरा का पत्रांक-923 दिनांक- 14.11.2021 के द्वारा दिये गये निर्देश के अनुपालन में कार्य प्रमंडल आरा के अंतर्गत वर्ष 2021-22 के बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त निम्नलिखित पथों के Temporary Restoration वाले कार्य स्थलों का निरीक्षण किया गया एवं उन पथों को प्राक्कलन के अनुसार कार्य कराया गया है एवं कार्य संतोषप्रद पाया गया।

पथ का विवरण:-

Sl No.	Name of Road	Length (In K.M)	Damage Length (In K.M)	Block
1	T03 to Chaprapur	1.69	0.140	Agiaon
2	T04 to Madanpur	2.0	0.138	Agiaon
3	PWD Road to Tarachak	1.53	0.136	Agiaon


कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल आरा।


20.11.2021
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल बक्सर।