



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	:-	T03 TO CHAPRAPUR
LENGTH OF ROAD	:-	1.69 K.M
YEAR OF RESTORATION	:-	2021-22
COST OF RESTORATION	:-	Rs 492600.00
TOTAL COST OF PROJECT	:-	Rs. 4.93 Lacs

SUBMITTED BY :-

EXECUTIVE ENGINEER

RURAL WORKS DIVISION ARA

BHOJPUR

Sl No	District	Division	Road Name	Scheme	Road Status	Is Mainstream (V/N)	Is Aprroach (W/N)	Length In Km.)	Length of Damage Part Due to Flood	Tentative Restoration in Lac	Actual Restored in Lac	Remarks	Year	Start Longitude	Start Latitude	Stop Longitude	Stop Latitude	Official Longitude	Official Latitude	Field Longitude	Field Latitude	Field
2	Bhojpur	Ar	PWD Road - Tarachak	New MR	Completed	No	No	1.53	0.3	7	0	Departmental	2021-22	88.678037	25.33836	88.678037	25.33836	88.678037	25.33836	88.678037	25.33836	88.678037
3	Bhojpur	Ar	TU2-Chhaprapur	New MR	Completed	No	No	1.7	0.3	10	0	Departmental	2021-22	88.620879	25.234884	88.620879	25.234884	88.620879	25.234884	88.620879	25.234884	88.620879
4	Bhojpur	Ar	1.052-T04 to Madanpur (VR52)	New MR	Completed	No	No	2	0.3	7	0	Departmental	2021-22	88.592085	25.308543	88.592085	25.308543	88.592085	25.308543	88.592085	25.308543	88.592085

तकनीकी प्रतिवेदन

जिला : भोजपुर

योजना का नाम : T03 से छपरापुर पथ में रेस्टोरेसन का कार्य।

पथ की लम्बाई : 1.69 कि० मी०।

प्राक्कलित राशि : 4.88 लाख।

प्रस्तुत प्राक्कलन उपरोक्त कार्य हेतु तैयार किया गया है। यह पथ नारायणपुर कारवासीन पथ से छपरापुर ग्राम को जोड़ने वाला एकमात्र पथ है। छपरापुर ग्राम की पुरी आबादी इसी पथ पर निर्भर है। इस पथ के किनारे से एक करहा का 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। यातायात अवरुद्ध था, पथ में बड़े बड़े गढ़े 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 अगियॉव।



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



कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल आरा।

F.D.R

YEAR- 2021-22

RESTAURATION WORK

GENERAL ABSTRACT OF COST

District : BHOJPUR
Block : AGIAON
Name of Road : T02 TO CHAPRAPUR
Length of Road : 1.69 K.M

SL.	Item of Work	Amount	
1	TOTAL COST OF RESTORATION	=	4,92,609.11 414841
2	COST OF OTHER WORK	=	0.00
	SUB TOTAL	=	4,92,609.11
	Total Cost of Project	Rs.	4,92,609.11
	SAY	Rs.	4,92,600.00 414841

Say Rs. 4,14,841/-

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15/07/21

Junior Engineer

RWD WORKS SECTION

AGIAON

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26/7/2021

Asstt. Engineer

RWD WORKS SUB-DIVISION

AGIAON

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26/07/21

Executive Engineer

RWD WORKS DIVISION

ARA

Previously in anticipation of addn. approval & pos. prcts. technically Sanctioned Rs. 4.148 lacs (Rupees four lacce fourteen Thousand Eight hundred only)

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

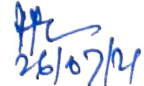
SUMMARY OF COST FOR THE FDR PROJECT

NAME OF ROAD	:	T02 TO CHAPRAPUR
DISTRICT	:	BHOJPUR
BLOCK	:	AGIAON
CONSTITUENCY	:	AGIAON
LENGTH OF ROAD (in Km)	:	1.69 K.M
LENGTH OF BT PAVEMENT	:	1.26 K.M
LENGTH OF CC PAVEMENT	:	0.43 K.M
No. of Habitation Served	:	1

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	MAIN WORK	
I	PREPARATORY WORKS =	0.00
II	BRICK BATS WORK =	3589.59 = 427780.47
	TOTAL =	3589.59 = 427780.47
	Add 12% GST on Total Amount =	43075.34 = 51333.66
	Add 1% Labour Cess on Total Amount =	3590.24 = 4277.80
	Seigniorage Fees @ 10% =	9217.18 ✓
	SUB TOTAL (A) =	414841.20 = 492609.11
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) =	414841.20 = 492609.11


Junior Engineer
 RWD WORKS SECTION
 AGIAON


Asstt. Engineer
 RWD WORKS SUB-DIVISION
 AGIAON


Executive Engineer
 RWD WORKS DIVISION
 ARA

DETAIL ESTIMATE OF FDR

Name of Site: T02 TO CHAPRAPUR

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/L.

1st KM									
	Cum	10.00	1.55	Avg	0.90	Avg	13.95		
	Cum	14.50	2.05	Avg	0.75	Avg	22.29		
	Cum	8.50	1.55	Avg	0.60	Avg	7.91		
	Cum	9.50	2.00	Avg	0.90	Avg	17.10		
2nd KM	Cum	7.50	1.50	Avg	0.45	Avg	5.06		
	Cum	9.50	1.85	Avg	0.75	Avg	13.18		
	Cum	12.50	2.50	Avg	0.60	Avg	18.75		
	Cum	9.00	2.10	Avg	0.75	Avg	14.18		
	Cum	7.00	2.15	Avg	0.75	Avg	11.29		
	Cum	8.50	2.50	Avg	0.30	Avg	6.38		
	Cum	10.50	2.50	Avg	0.90	Avg	23.63		
	Cum	7.50	2.60	Avg	0.75	Avg	14.63		
	Cum	10.50	1.90	Avg	0.75	Avg	14.96		
	Cum	12.50	2.05	Avg	0.60	Avg	15.38	1306.81	358959.20
Net Quantity	Cum						198.67	2,153.25	4,27,780.47
							TOTAL COST IN RS.=		
							4,27,780.47		

358959.20

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15/07/21

Junior Engineer
RWD WORKS SECTION
AGIAON

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26/7/2021

Asstt. Engineer
RWD WORKS SUB-DIVISION
AGIAON

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26/07/21

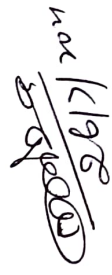
Executive Engineer
RWD WORKS DIVISION
ARA

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23.11.2021

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

			SEIGNIORAGE FEE							
Name of Site: T02 TO CHAPRAPUR										
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							
		a)	Material							
			Brick Bats	Nos	450	1.031	463.95			
			Rate Per Cum (a)				463.95			
			Total Cost =	Cum			463.95	198.67	92,171.79	9,217.18
Total Construction Cost (With 10% Seigniorage Fee) :--										9,217.18


 18/07/21


 26/7/2021


 26/07/21

ANALYSIS OF CARRAIGE BY ROAD

District : BHOJPUR Block : AGIAON
Name of Road : T02 TO CHAPRAPUR
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
				Pukka / 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	

15/07/21

26/10/21

26/10/21

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			
a)		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	1.00 0.67 1183.00 1183.00	1183.00 792.61 237.07 0.00 2212.68 22.13 22.13
			Cum		
4	1.3	Loading, Unloading and Stacking of Bricks by Manual Means Loading of Bricks by manual means including a lead upto 30 m Unit = 1000 Nos. Taking output = 2000 Nos.			
a)		Labour Mate Mazdoor (Unskilled)	day day	0.01 0.25 310.00 292.00	3.10 73.00 76.10
b)		Machinery Truck	hour	0.33 1183.00	390.39 390.39 55.98 0.00 522.47 261.23
c)		Overheads 12 % on (a+b)			
d)		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	Nos	261.23
5	1.3	(ii) Unloading and Stacking of Bricks by manual means including a lead upto 30 m Unit = 1000 Nos. Taking output = 2000 Nos.			
a)		Labour Mate Mazdoor (Unskilled)	day day	0.01 0.25 310.00 292.00	3.10 73.00 76.10
b)		Machinery Truck	hour	0.33 1183.00	390.39 390.39 55.98
c)		Overheads 12% on (a+b)			

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F.D.R (2021-22)

Name of Site

T02 TO CHAPRAPUR

BLOCK

AGIAON

DIVISION

RWD ARA

Latitude: 25.334156
Longitude: 84.620366
Elevation: 129.45±4 m
Accuracy: 3.1 m
Time: 06-29-2021 15:39
Note: Chaprapur

Powered by NoteCam

Latitude: 25.3342
Longitude: 84.620338
Elevation: 118.63±5 m
Accuracy: 2.9 m
Time: 07-07-2021 14:23
Note: Chaprapur

Powered by NoteCam

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15/07/21

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26/7/2021

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26/07/21



Latitude: 25.334166
Longitude: 84.620196
Elevation: 45.51±18 m
Accuracy: 4.3 m
Time: 08-07-2021 12:20
Note: Chhapra pur

Powered by NoteCam



Latitude: 25.334199
Longitude: 84.620264
Elevation: 128.07±6 m
Accuracy: 2.8 m
Time: 06-29-2021 15:40
Note: Chhaprapur

Powered by NoteCam

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15/07/21

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26/7/21

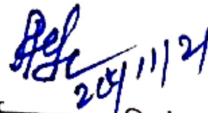
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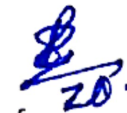
निरीक्षण प्रतिवेदन

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।