



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	:-	AGIAON TO BAGA BRIDGE
LENGTH OF ROAD	:-	12.30 K.M
YEAR OF RESTORATION	:-	2021-22
COST OF RESTORATION	:-	Rs 935780.00
TOTAL COST OF PROJECT	:-	Rs 9.357 Laes

SUBMITTED BY :-

EXECUTIVE ENGINEER

RURAL WORKS DIVISION ARA

BHOJPUR



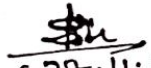
निरीक्षण प्रतिवेदन

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 अंतर्गता 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 एवं कार्य संतोषप्रद पाया गया।

पथ का विवरण:-

Sl No.	Name of Road	Length (In K.M)	Damage Length (In METER)	Block
1	Agiaon to Bagapul Path	12.30	1681.5	Agiaon
2	NH-84 to Ara Salempur RCD Road via Khajuriya Dhamar Agarsanda Behara Path tak	9.70	713	Ara


27/11/21
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल आरा।


28.11.2021
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल बक्सर।

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YEAR (2021- 2022)

RESTAURATION WORK

GENERAL ABSTRACT OF COST

District : AGIAON TO BAGA BRIDGE
Division : ARA
Block : AGIAON
Name of Road : AGIAON TO BAGA BRIDGE
Length of Road : 12.30 K.M

SL.	Item of Work	Amount	
1	TOTAL COST OF RESTORATION	=	9,35,707.44
2	COST OF OTHER WORK	=	0.00
	SUB TOTAL	=	9,35,707.44
	Total Cost of Project	Rs.	9,35,707.44
	SAY	Rs.	9,35,700.00



Junior Engineer

RWD WORKS SECTION

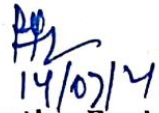
AGIAON



Asstt. Engineer

RWD WORKS SUB-DIVISION

AGIAON



Executive Engineer

RWD WORKS DIVISION

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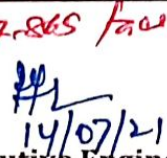
SUMMARY OF COST FOR THE FDR PROJECT

NAME OF ROAD	:	AGIAON TO BAGA BRIDGE
DISTRICT	:	BHOJPUR
BLOCK	:	AGIAON
CONSTITUENCY	:	AGIAON
LENGTH OF ROAD (in Km)	:	12.30 K.M
LENGTH OF BT PAVEMENT	:	12.30 K.M
LENGTH OF CC PAVEMENT	:	0.0 K.M
No. HABBITATION SERVED	:	6

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	MAIN WORK	
I	PREPARATORY WORKS	= 0.00
II	BRICK BATS WORK	= 659093.4791155.09
III	REMOVING HUME PIPE	= 1327.54
IV	PROVIDING HUME PIPE	= 19926.28
	TOTAL	= 680,347.25812408.91
	Add 12% GST on Total Amount	= 81,642.2797489.07
	Add 1% Labour Cess on Total Amount	= 6809.278124.09
	Seigniorage Fees @ 10%	= 17685.38
	SUB TOTAL (A)	= 786471.20935707.44


Junior Engineer
 RWD WORKS SECTION
 AGIAON


Asstt. Engineer
 RWD WORKS SUB-DIVISION
 AGIAON


Executive Engineer
 RWD WORKS DIVISION
 ARA

more details
 Technically Sanctioned in 7.865 Lacs (Rupees)
Seven Lacs Eighty Six Thousand
Five Hundred / 00/-

Certified Copy

 S.E.
 R.W.D. Works Circle
 14/7/21

14/7/21
 Superintending Engineer
 Rural Works Department
 Works Circle, ARA



DETAIL ESTIMATE OF FDR

Name of Site: AGIAON TO BAGA BRIDGE

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	6.50	1.55	Avg	0.15	Avg	1.51		
	Cum	7.25	1.50	Avg	0.15	Avg	1.63		
	Cum	5.00	1.10	Avg	0.15	Avg	0.83		
	Cum	4.00	1.30	Avg	0.15	Avg	0.78		
	Cum	8.00	1.60	Avg	0.20	Avg	2.56		
	Cum	9.00	1.55	Avg	0.20	Avg	2.79		
	Cum	9.50	1.30	Avg	0.15	Avg	1.85		
	Cum	9.00	1.20	Avg	0.15	Avg	1.62		
	Cum	7.00	1.20	Avg	0.25	Avg	2.10		
	Cum	8.00	1.40	Avg	0.20	Avg	2.24		
	Cum	9.00	1.20	Avg	0.15	Avg	1.62		
	Cum	9.50	1.35	Avg	0.15	Avg	1.92		
	Cum	12.50	1.25	Avg	0.20	Avg	3.13		
	Cum	12.00	1.50	Avg	0.15	Avg	2.70		
	Cum	14.00	1.25	Avg	0.25	Avg	4.38		
	Cum	15.00	1.40	Avg	0.20	Avg	4.20		
	Cum	8.50	1.15	Avg	0.15	Avg	1.47		
	Cum	8.00	1.20	Avg	0.15	Avg	1.44		
	Cum	10.50	1.10	Avg	0.20	Avg	2.31		
	Cum	10.00	1.20	Avg	0.15	Avg	1.80		
	Cum	8.50	0.95	Avg	0.15	Avg	1.21		
	Cum	8.00	1.05	Avg	0.20	Avg	1.68		
	Cum	10.50	1.75	Avg	0.15	Avg	2.76		
	Cum	10.00	1.60	Avg	0.20	Avg	3.20		
	Cum	12.50	1.15	Avg	0.15	Avg	2.16		
	Cum	12.00	1.00	Avg	0.20	Avg	2.40		
	Cum	9.70	1.55	Avg	0.15	Avg	2.26		
	Cum	9.00	1.40	Avg	0.20	Avg	2.52		
	Cum	12.30	1.20	Avg	0.15	Avg	2.21		
	Cum	12.00	1.30	Avg	0.20	Avg	3.12		
	Cum	11.50	1.55	Avg	0.15	Avg	2.67		
	Cum	11.00	1.40	Avg	0.20	Avg	3.08		
	Cum	8.80	1.30	Avg	0.15	Avg	1.72		
	Cum	8.50	1.15	Avg	0.20	Avg	1.96		
	Cum	9.30	1.15	Avg	0.15	Avg	1.60		
	Cum	9.00	1.20	Avg	0.20	Avg	2.16		
	Cum	8.00	1.20	Avg	0.20	Avg	1.92		
	Cum	7.90	1.35	Avg	0.20	Avg	2.13		
	Cum	7.80	1.35	Avg	0.25	Avg	2.63		
	Cum	10.00	1.50	Avg	0.20	Avg	3.00		
	Cum	10.40	1.40	Avg	0.20	Avg	2.91		
	Cum	9.40	1.20	Avg	0.15	Avg	1.69		
	Cum	9.00	1.20	Avg	0.20	Avg	2.16		
	Cum	7.30	1.90	Avg	0.15	Avg	2.08		
	Cum	7.05	1.50	Avg	0.20	Avg	2.12		
	Cum	8.00	1.20	Avg	0.20	Avg	1.92		

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14/07/21



	Cum	9.00	1.10	Avg	0.25	Avg	2.48		
	Cum	10.60	1.10	Avg	0.15	Avg	1.75		
	Cum	10.00	1.20	Avg	0.20	Avg	2.40		
	Cum	7.60	0.95	Avg	0.15	Avg	1.08		
	Cum	7.00	1.20	Avg	0.15	Avg	1.26		
	Cum	10.40	1.75	Avg	0.20	Avg	3.64		
	Cum	10.00	1.50	Avg	0.20	Avg	3.00		
	Cum	12.00	1.15	Avg	0.20	Avg	2.76		
	Cum	13.00	1.20	Avg	0.20	Avg	3.12		
	Cum	9.90	1.55	Avg	0.15	Avg	2.30		
	Cum	9.00	1.40	Avg	0.20	Avg	2.52		
	Cum	7.40	1.55	Avg	0.15	Avg	1.72		
	Cum	7.00	1.40	Avg	0.20	Avg	1.96		
	Cum	9.00	1.20	Avg	0.20	Avg	2.16		
	Cum	10.00	1.50	Avg	0.25	Avg	3.75		
	Cum	7.40	0.90	Avg	0.15	Avg	1.00		
	Cum	7.00	1.00	Avg	0.20	Avg	1.40		
	Cum	9.40	1.35	Avg	0.15	Avg	1.90		
	Cum	9.00	1.20	Avg	0.20	Avg	2.16		
	Cum	12.00	1.30	Avg	0.25	Avg	3.90		
	Cum	11.00	1.25	Avg	0.25	Avg	3.44		
	Cum	8.80	1.25	Avg	0.15	Avg	1.65		
	Cum	8.00	1.20	Avg	0.20	Avg	1.92		
	Cum	7.00	1.80	Avg	0.25	Avg	3.15		
	Cum	6.50	2.00	Avg	0.25	Avg	3.25		
	Cum	7.40	1.15	Avg	0.15	Avg	1.28		
	Cum	7.00	1.00	Avg	0.20	Avg	1.40		
	Cum	10.30	1.10	Avg	0.20	Avg	2.27		
	Cum	10.00	1.20	Avg	0.20	Avg	2.40		
	Cum	7.30	1.15	Avg	0.15	Avg	1.26		
	Cum	7.00	1.00	Avg	0.20	Avg	1.40		
	Cum	10.30	1.80	Avg	0.20	Avg	3.71		
	Cum	10.00	1.75	Avg	0.20	Avg	3.50		
	Cum	12.00	1.20	Avg	0.20	Avg	2.88		
	Cum	12.30	1.15	Avg	0.25	Avg	3.54		
	Cum	7.15	1.40	Avg	0.15	Avg	1.50		
	Cum	7.00	1.25	Avg	0.20	Avg	1.75		
	Cum	5.00	1.50	Avg	0.25	Avg	1.88		
	Cum	4.65	1.55	Avg	0.20	Avg	1.44		
	Cum	8.65	1.40	Avg	0.15	Avg	1.82		
	Cum	8.00	1.25	Avg	0.20	Avg	2.00		
	Cum	9.65	1.15	Avg	0.15	Avg	1.66		
	Cum	9.00	1.00	Avg	0.20	Avg	1.80		
	Cum	7.65	1.15	Avg	0.15	Avg	1.32		
	Cum	7.00	1.00	Avg	0.20	Avg	1.40		
	Cum	9.65	1.00	Avg	0.20	Avg	1.93		
	Cum	9.65	1.20	Avg	0.20	Avg	2.32		
	Cum	12.65	1.15	Avg	0.20	Avg	2.91		
	Cum	12.00	1.30	Avg	0.20	Avg	3.12		
	Cum	14.00	1.30	Avg	0.20	Avg	3.64		
	Cum	14.45	1.20	Avg	0.20	Avg	3.47		
	Cum	8.65	1.25	Avg	0.15	Avg	1.62		
	Cum	8.00	1.00	Avg	0.20	Avg	1.60		
	Cum	10.65	1.20	Avg	0.20	Avg	2.56		

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	Cum	10.00	1.30	Avg	0.20	Avg	2.60
	Cum	9.00	1.10	Avg	0.25	Avg	2.48
	Cum	8.65	1.00	Avg	0.25	Avg	2.16
	Cum	10.65	1.60	Avg	0.15	Avg	2.56
	Cum	10.00	1.50	Avg	0.20	Avg	3.00
	Cum	12.00	1.30	Avg	0.25	Avg	3.90
	Cum	13.00	1.25	Avg	0.20	Avg	3.25
	Cum	9.00	1.40	Avg	0.20	Avg	2.52
	Cum	8.85	1.40	Avg	0.15	Avg	1.86
	Cum	12.00	1.05	Avg	0.20	Avg	2.52
	Cum	12.50	1.05	Avg	0.20	Avg	2.63
	Cum	11.65	1.40	Avg	0.20	Avg	3.26
	Cum	11.00	1.30	Avg	0.20	Avg	2.86
	Cum	7.95	1.15	Avg	0.20	Avg	1.83
	Cum	8.00	1.25	Avg	0.15	Avg	1.50
	Cum	9.45	1.10	Avg	0.15	Avg	1.56
	Cum	9.00	1.20	Avg	0.20	Avg	2.16
	Cum	8.00	1.20	Avg	0.20	Avg	1.92
	Cum	8.50	1.10	Avg	0.20	Avg	1.87
	Cum	10.75	1.10	Avg	0.15	Avg	1.77
	Cum	10.00	1.00	Avg	0.20	Avg	2.00
	Cum	9.00	1.00	Avg	0.20	Avg	1.80
	Cum	9.35	0.90	Avg	0.20	Avg	1.68
	Cum	7.45	1.75	Avg	0.15	Avg	1.96
	Cum	7.00	1.50	Avg	0.20	Avg	2.10
	Cum	8.55	1.20	Avg	0.20	Avg	2.05
	Cum	8.00	1.50	Avg	0.15	Avg	1.80
	Cum	5.55	1.00	Avg	0.20	Avg	1.11
	Cum	6.00	1.10	Avg	0.15	Avg	0.99
	Cum	4.00	1.10	Avg	0.20	Avg	0.88
	Cum	3.55	1.00	Avg	0.20	Avg	0.71
	Cum	5.55	1.05	Avg	0.15	Avg	0.87
	Cum	6.00	1.50	Avg	0.20	Avg	1.80
	Cum	9.00	0.90	Avg	0.20	Avg	1.62
	Cum	8.55	0.95	Avg	0.20	Avg	1.62
	Cum	10.35	1.05	Avg	0.15	Avg	1.63
	Cum	4.55	0.85	Avg	0.20	Avg	0.77
	Cum	6.55	0.80	Avg	0.15	Avg	0.79
	Cum	5.00	1.00	Avg	0.20	Avg	1.00
	Cum	4.55	1.00	Avg	0.20	Avg	0.91
	Cum	6.55	1.45	Avg	0.15	Avg	1.42
	Cum	8.55	1.00	Avg	0.20	Avg	1.71
	Cum	6.00	1.20	Avg	0.20	Avg	1.44
	Cum	5.75	1.25	Avg	0.20	Avg	1.44
	Cum	8.35	0.90	Avg	0.15	Avg	1.13
	Cum	7.55	1.25	Avg	0.15	Avg	1.42
	Cum	4.85	1.00	Avg	0.20	Avg	0.97
	Cum	5.35	0.95	Avg	0.20	Avg	1.02
	Cum	5.35	1.00	Avg	0.20	Avg	1.07
	Cum	3.95	1.05	Avg	0.20	Avg	0.83
	Cum	6.65	0.95	Avg	0.15	Avg	0.95
	Cum	5.55	1.00	Avg	0.15	Avg	0.83
	Cum	4.00	1.70	Avg	0.20	Avg	1.36
	Cum	3.35	1.60	Avg	0.20	Avg	1.07

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	Cum	4.65	0.90	Avg	0.15	Avg	0.63		
	Cum	6.65	1.00	Avg	0.15	Avg	1.00		
	Cum	3.65	1.00	Avg	0.20	Avg	0.73		
	Cum	6.45	1.45	Avg	0.20	Avg	1.87		
	Cum	8.45	1.00	Avg	0.20	Avg	1.69		
	Cum	5.95	1.25	Avg	0.15	Avg	1.12		
	Cum	3.45	1.25	Avg	0.15	Avg	0.65		
	Cum	5.45	1.00	Avg	0.20	Avg	1.09		
	Cum	4.00	1.00	Avg	0.20	Avg	0.80		
	Cum	3.45	1.00	Avg	0.20	Avg	0.69		
	Cum	5.45	1.05	Avg	0.15	Avg	0.86		
	Cum	8.35	0.95	Avg	0.20	Avg	1.59		
	Cum	8.10	1.00	Avg	0.20	Avg	1.62		
	Cum	4.85	0.45	Avg	0.15	Avg	0.33		
	Cum	2.95	1.60	Avg	0.20	Avg	0.94		
	Cum	3.45	0.90	Avg	0.20	Avg	0.62		
	Cum	6.35	0.90	Avg	0.20	Avg	1.14		
	Cum	6.25	0.90	Avg	0.20	Avg	1.13		
	Cum	3.35	1.00	Avg	0.15	Avg	0.50		
	Cum	6.35	1.45	Avg	0.20	Avg	1.84		
	Cum	6.25	1.40	Avg	0.20	Avg	1.75		
	Cum	8.00	0.90	Avg	0.20	Avg	1.44		
	Cum	8.35	0.85	Avg	0.20	Avg	1.42		
	Cum	3.20	1.10	Avg	0.15	Avg	0.53		
	Cum	4.70	1.10	Avg	0.20	Avg	1.03		
	Cum	4.00	1.00	Avg	0.20	Avg	0.80		
	Cum	5.70	0.85	Avg	0.15	Avg	0.73		
	Cum	3.70	0.85	Avg	0.20	Avg	0.63		
	Cum	4.00	9.00	Avg	0.20	Avg	7.20		
	Cum	5.70	0.90	Avg	0.20	Avg	1.03		
	Cum	8.70	1.00	Avg	0.20	Avg	1.74		
	Cum	10.50	0.90	Avg	0.15	Avg	1.42		
	Cum	4.70	1.00	Avg	0.20	Avg	0.94		
	Cum	5.00	1.00	Avg	0.20	Avg	1.00		
	Cum	6.70	0.90	Avg	0.20	Avg	1.21		
	Cum	4.70	1.00	Avg	0.15	Avg	0.71		
	Cum	6.70	1.30	Avg	0.20	Avg	1.74		
	Cum	7.00	1.20	Avg	0.20	Avg	1.68		
	Cum	8.70	1.00	Avg	0.20	Avg	1.74		
	Cum	4.90	1.10	Avg	0.20	Avg	1.08		
	Cum	8.50	1.00	Avg	0.15	Avg	1.28		
	Cum	7.70	1.10	Avg	0.20	Avg	1.69		
	Cum	8.00	1.00	Avg	0.20	Avg	1.60		
	Cum	4.00	1.00	Avg	0.15	Avg	0.60		
	Cum	5.50	1.00	Avg	0.20	Avg	1.10		
	Cum	4.10	0.90	Avg	0.20	Avg	0.74		
	Cum	4.10	1.00	Avg	0.20	Avg	0.82		
	Cum	6.80	1.00	Avg	0.15	Avg	1.02		
	Cum	5.40	0.90	Avg	0.20	Avg	0.97		
	Cum	5.10	1.00	Avg	0.20	Avg	1.02		
	Cum	3.60	1.40	Avg	0.15	Avg	0.76		
	Cum	4.50	0.95	Avg	0.20	Avg	0.86		
Net Quantity	Cum						381.19	1729.04	659093.20
							2,075.48	7,91,155.09	7,91,155.09
							TOTAL COST IN RS.=		


 27.11.21
 Executive Engineer
 R.W.D. (W.) Div. Buxar


 24/10/21



2.13	Removing of all types of Hume pipe and stacking									
Removing all types of Hume pipe and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202 (Upto 600 mm dia Hume pipe)										
		U	L	B		D		QTY		
		M	7.50					7.50		
Net Quantity		Cum						7.50	177.00	1,327.54
TOTAL COST IN RS.=									1,327.54	

9.3	Providing and laying reinforced cement concrete pipe NP3 as per design in single row.									
Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection work, backfilling, concrete and masonry works in head walls and parapets Clause 1106.										
		U	L	B		D		QTY		
		M	7.50					7.50		
Net Quantity		Cum						7.50	2,656.84	19,926.28
TOTAL COST IN RS.=									19,926.28	

Q/A
10/07/21

Junior Engineer
RWD WORKS SECTION
AGIAON

Asstt. Engineer
RWD WORKS SUB-DIVISION
AGIAON

14/07/21

Executive Engineer
RWD WORKS DIVISION
ARA



SEIGNIORAGE FEE										
Name of Site: AGIAON TO BAGA BRIDGE										
Sl. No.	SDB Sl. 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/L.							
			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	381.19	1,76,853.80	17,685.38
Total Construction Cost (With 10% Seigniorage Fee) :--										17,685.38


 10/07/21
 J.B.


 14/7/2021


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Block : AGIAON

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14/07/24