



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 :- ARA

NAME OF ROAD	:-	RAMPUR MATHI TO BELA
LENGTH OF ROAD	:-	1.05 K.M
YEAR OF RESTORATION	:-	2021-22
COST OF RESTORATION	:-	Rs 664500.00
TOTAL COST OF PROJECT	:-	Rs. 6.645 Lacs 5.959

SUBMITTED BY :-

EXECUTIVE ENGINEER

RURAL WORKS DIVISION ARA

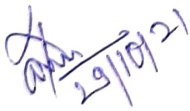
BHOJPUR

तकनीकी प्रतिवेदन

जिला : भोजपुर
योजना का नाम : रामपुर गाँव से बेला में रेस्टोरेसन का कार्य।
पथ की लम्बाई : 1.05 कि० मी०।
प्राक्कलित राशि : 6.645 लाख।

प्रस्तुत प्राक्कलन उपरोक्त कार्य हेतु तैयार किया गया है। यह पथ आरा सलेमपुर पथ से बेला ग्राम को जोड़ने वाला एकमात्र पथ है। बेला ग्राम की पूरी आबादी इसी पथ पर निर्भर है। यह पथ गंगा नदी में आयी बाढ़ के पानी से पूर्ण रूप से डुबा हुआ था। आवागमन के लिये एकमात्र पथ होने 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।


29/10/21

कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा आरा।

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


29/10/21

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल आरा।

F.D.R

YEAR (2021- 2022)

RESTAURATION WORK

GENERAL ABSTRACT OF COST

District : RAMPUR MATHI TO BELA
Division : ARA
Block : ARA
Name of Road : RAMPUR MATHI TO BELA
Length of Road : 1.05 K.M

SL.	Item of Work	Amount	
1	TOTAL COST OF RESTORATION	=	595896.24 6,64,478.38
2	COST OF OTHER WORK	=	0.00
	SUB TOTAL	=	6,64,478.38
	Total Cost of Project	Rs.	6,64,478.38
	SAY	Rs.	595896.24 6,64,500.00

Say Rs. 5959 /- only

[Signature]
29/10/21

Junior Engineer
RWD WORKS SECTION
ARA

Asstt. Engineer
RWD WORKS SUB-DIVISION
ARA

[Signature]
29/10/21
Executive Engineer
RWD WORKS DIVISION
ARA

SUMMARY OF COST FOR THE FDR PROJECT

NAME OF ROAD :
DISTRICT :
BLOCK :
CONSTITUENCY :
LENGTH OF ROAD (in Km) :
LENGTH OF BT PAVEMENT :
LENGTH OF CC PAVEMENT :
No. HABBITATION SERVED :

RAMPUR MATHI TO BELA
BHOJPUR
ARA
ARA
1.05 K.M
1.05 K.M
0.00 K.M
1

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	MAIN WORK	0.00
I	PREPARATORY WORKS =	576425.15
II	BRICK BATS WORK =	576425.15
	TOTAL =	1152850.30
	Add 12% GST on Total Amount =	139142.04
	Add 1% Labour Cess on Total Amount =	11528.50
	Seigniorage Fees @ 10% =	115285.03
	SUB TOTAL (A) =	139142.04
2	CROSS DRAINAGE STRUCTURES	0.00
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) =	139142.04

Say. 5.959 lacs

[Signature]
29/10/21
Junior Engineer
RWD WORKS SECTION
ARA

Asstt. Engineer
RWD WORKS SUB-DIVISION
ARA

[Signature]
29/10/21
Executive Engineer
RWD WORKS DIVISION
ARA

Previously in anticipation of order approval
& for the technical Sanctioned for 5.959 lacs (Rupees
five lacs sixty four thousand nine
hundred only)

[Signature]
21/12/21
Superintending Engineer
Rural Works Department
Works Circle, ARA

DETAIL ESTIMATE OF FDR

Name of Site: **RAMPUR MATHI TO BELA**

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.

		U	L	B		D		QTY		
2.3	7.3	Cum	5.00	1	Avg	0.15	Avg	0.75		
14	18.5	Cum	4.50	3	Avg	0.2	Avg	2.70		
35	50	Cum	15.00	1.5	Avg	0.2	Avg	4.50		
50	60	Cum	10.00	3	Avg	0.2	Avg	6.00		
60	75	Cum	15.00	3	Avg	0.25	Avg	11.25		
75	85	Cum	10.00	3	Avg	0.2	Avg	6.00		
85	90	Cum	5.00	2	Avg	0.15	Avg	1.50		
90	102	Cum	12.00	2.5	Avg	0.2	Avg	6.00		
102	105	Cum	3.00	3	Avg	0.15	Avg	1.35		
105	120	Cum	15.00	3	Avg	0.25	Avg	11.25		
120	132	Cum	12.00	3	Avg	0.2	Avg	7.20		
132	135	Cum	3.00	0	Avg	0	Avg	0.00		
135	150	Cum	15.00	3	Avg	0.2	Avg	9.00		
150	160	Cum	10.00	3	Avg	0.25	Avg	7.50		
160	165	Cum	5.00	2	Avg	0.25	Avg	2.50		
165	180	Cum	15.00	2	Avg	0.15	Avg	4.50		
180	195	Cum	15.00	2	Avg	0.2	Avg	6.00		
195	201	Cum	6.00	3	Avg	0.15	Avg	2.70		
201	208	Cum	7.00	0	Avg	0	Avg	0.00		
208	213	Cum	5.00	1.5	Avg	0.15	Avg	1.13		
213	217	Cum	4.00	0	Avg	0	Avg	0.00		
217	225	Cum	8.00	3	Avg	0.2	Avg	4.80		
225	230	Cum	5.00	1.5	Avg	0.15	Avg	1.13		
230	240	Cum	10.00	3	Avg	0.2	Avg	6.00		
240	255	Cum	15.00	0	Avg	0	Avg	0.00		
255	258	Cum	3.00	0	Avg	0	Avg	0.00		
258	270	Cum	12.00	3	Avg	0.2	Avg	7.20		
270	276	Cum	6.00	3	Avg	0.2	Avg	3.60		
276	285	Cum	9.00	1.5	Avg	0.15	Avg	2.03		
285	300	Cum	15.00	0	Avg	0	Avg	0.00		
300	311	Cum	11.00	3	Avg	0.15	Avg	4.95		
311	316	Cum	5.00	0	Avg	0	Avg	0.00		
316	317	Cum	1.00	1	Avg	0.15	Avg	0.15		
317	330	Cum	13.00	1.5	Avg	0.15	Avg	2.93		
330	345	Cum	15.00	1.5	Avg	0.2	Avg	4.50		
345	360	Cum	15.00	1.5	Avg	0.2	Avg	4.50		
360	365	Cum	5.00	1.25	Avg	0.15	Avg	0.94		
365	375	Cum	10.00	0	Avg	0	Avg	0.00		

375	382	Cum	7.00	1.5	Avg	0.15	Avg	1.58		
375	382	Cum	7.00	1	Avg	0.15	Avg	1.05		
382	388	Cum	6.00	0	Avg	0	Avg	0.00		
388	390	Cum	2.00	3	Avg	0.15	Avg	0.90		
390	394	Cum	4.00	3	Avg	0.15	Avg	1.80		
394	405	Cum	11.00	2	Avg	0.2	Avg	4.40		
405	408	Cum	3.00	1.15	Avg	0.15	Avg	0.52		
408	410	Cum	2.00	2.25	Avg	0.15	Avg	0.68		
410	420	Cum	10.00	2	Avg	0.2	Avg	4.00		
420	435	Cum	15.00	1.5	Avg	0.2	Avg	4.50		
		Cum	7.00	1.5	Avg	0.15	Avg	1.58		
435	450	Cum	15.00	1.5	Avg	0.2	Avg	4.50		
450	458	Cum	8.00	0	Avg	0	Avg	0.00		
458	465	Cum	7.00	3	Avg	0.2	Avg	4.20		
465	480	Cum	2.00	3	Avg	0.15	Avg	0.90		
		Cum	3.00	1.5	Avg	0.15	Avg	0.68		
480	495	Cum	1.00	3	Avg	0.15	Avg	0.45		
495	510	Cum	12.00	3	Avg	0.2	Avg	7.20		
510	525	Cum	5.00	3	Avg	0.15	Avg	2.25		
		Cum	10.00	1	Avg	0.15	Avg	1.50		
525	540	Cum	2.00	1	Avg	0.15	Avg	0.30		
		Cum	5.00	3	Avg	0.2	Avg	3.00		
		Cum	8.00	1.5	Avg	0.15	Avg	1.80		
540	555	Cum	7.00	3	Avg	0.2	Avg	4.20		
		Cum	8.00	1.5	Avg	0.2	Avg	2.40		
555	570	Cum	2.00	3	Avg	0.15	Avg	0.90		
570	585	Cum	0.00	0	Avg	0	Avg	0.00		
585	600	Cum	9.00	3	Avg	0.2	Avg	5.40		
600	615	Cum	2.00	3	Avg	0.15	Avg	0.90		
		Cum	3.00	1.5	Avg	0.15	Avg	0.68		
		Cum	2.00	1	Avg	0.15	Avg	0.30		
615	630	Cum	1.00	1	Avg	0.15	Avg	0.15		
		Cum	2.00	3	Avg	0.15	Avg	0.90		
630	645	Cum	1.50	1	Avg	0.15	Avg	0.23		
		Cum	9.00	1.5	Avg	0.2	Avg	2.70		
645	660	Cum	15.00	1.5	Avg	0.2	Avg	4.50		
660	675	Cum	3.00	1	Avg	0.15	Avg	0.45		
675	690	Cum	0.00	0	Avg	0	Avg	0.00		
690	705	Cum	0.00	0	Avg	0	Avg	0.00		
705	720	Cum	0.00	0	Avg	0	Avg	0.00		
720	735	Cum	0.00	0	Avg	0	Avg	0.00		
735	750	Cum	0.00	0	Avg	0	Avg	0.00		
750	765	Cum	0.00	0	Avg	0	Avg	0.00		
765	780	Cum	6.00	3	Avg	0.15	Avg	2.70		
780	795	Cum	0.00	0	Avg	0	Avg	0.00		

795	810	Cum	0.00	0	Avg	0	Avg	0.00		
810	825	Cum	0.00	0	Avg	0	Avg	0.00		
825	840	Cum	0.00	0	Avg	0	Avg	0.00		
840	855	Cum	4.00	3	Avg	0.2	Avg	2.40		
855	870	Cum	3.00	2	Avg	0.15	Avg	0.90		
870	885	Cum	15.00	1.6	Avg	0.2	Avg	4.80		
885	900	Cum	3.00	1.1	Avg	0.15	Avg	0.50		
		Cum	12.00	3	Avg	0.2	Avg	7.20		
900	915	Cum	5.00	1.2	Avg	0.15	Avg	0.90		
915	930	Cum	2.00	1.1	Avg	0.15	Avg	0.33		
		Cum	12.00	1.3	Avg	0.15	Avg	2.34		
930	945	Cum	12.00	1.3	Avg	0.2	Avg	3.12		
		Cum	15.00	1.3	Avg	0.15	Avg	2.93		
945	960	Cum	15.00	1.3	Avg	0.2	Avg	3.90		
		Cum	15.00	3	Avg	0.2	Avg	9.00		
960	975	Cum	15.00	1.5	Avg	0.2	Avg	4.50		
975	990	Cum	15.00	2	Avg	0.2	Avg	6.00		
990	1005	Cum	1.00	2	Avg	0.15	Avg	0.30		
1005	1020	Cum	3.00	3	Avg	0.2	Avg	1.80		
1020	1035	Cum	3.00	2	Avg	0.15	Avg	0.90		
		Cum	3.00	3	Avg	0.2	Avg	1.80		
		Cum	6.00	1.5	Avg	0.2	Avg	1.80		
		Cum	10.00	1.5	Avg	0.25	Avg	3.75		
1035	1050	Cum	14.00	2	Avg	0.3	Avg	8.40		
		Cum	12.00	1.5	Avg	0.2	Avg	3.60		
		Cum	8.00	1.2	Avg	0.3	Avg	2.88	1823.99	515733=
Net Quantity		Cum						282.75	2,038.67	5,76,425.15
								TOTAL COST IN RS.=		
								5,76,425.15		

515733=

[Signature]
29/10/21

Junior Engineer
RWD WORKS SECTION
ARA

Asstt. Engineer
RWD WORKS SUB-DIVISION
ARA

[Signature]
29/10/21

Executive Engineer
RWD WORKS DIVISION
ARA

SEIGNIORAGE FEE											
Name of Site: RAMPUR MATHI TO BELA											
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	0	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			13,117.95	
			Total Cost =	Cum			463.95	282.75	1,31,179.54		
			Total Seigniorage Fee :-							13,117.95	


 29/10/21


 29/10/21

ANALYSIS OF CARRAIGE BY ROAD

District : BHOJPUR Block : ARA
 Name of Road : RAMPUR MATHI TO BELA
 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 =
1	Brick	1000	Local													Rs. 868.97
																Rs. 868.97

25/10/21

25/10/21

HAULAGE BY TRUCK

Sl. No.	SDH 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	473.20 338.24 97.32 0.00 908.92 9.59
				Cum			9.99
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
				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				

	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	Total Lodging & Unloading of Brick Per 1000 = 262.98 + 262.98 =			262.98	525.95 0.00 525.95 262.98				
6												262.98	525.96		
	(A)	BRICK BATS Providing and filling Brick Bats in ditches including cost of Brick Bats and labour For 1 Cum=1.5 Cum													
	a)	Labour										Day	1.80	304.00	547.20
	b)	Mazdoor (Unskilled)										Cum	1.50	1,031.00	1,546.50
	c)	Material										No	450.00	0.869	391.03 251.24 2735.98 1823.99
	d)	Brick Bats Carriage Cost No of Bricks Per Cum 300 Nos (850 for 100cft) Overheads @ 12% on (a+b)													
		Total Cost (A) Rate Per Cum=(a+b+c+d)/1.5													
	WRD	Labour for laying dry graded Jhama Kho for stone filter under brick pitching or													
	BIHAR	boulder pitching in slope or including light ramming etc. all complete job as per													
	6.61	approved design and direction of E/I													
	(B)	Unit- Cum													
		Taking Output=2.832 Cum													
	a)	Labour										Day	2.00	304.00	508.00
	b)	Mazdoor (Unskilled)													508.00
		Overheads @ 12% on (a)													214.69
		Total Cost (B) Rate Per Cum (B)/2.832													2038.67
		Total Cost of Brick Bats Per Cum (A+B)										Cum			

25/10/21

25/10/21

F.D.R (2021-22)

Name of Site

BLOCK

DIVISION

RAMPUR MATHI TO BELA

ARA

RWD ARA



[Signature]
29/10/21

[Signature]
29/10/21



Latitude: 25.649273
Longitude: 84.6142
Elevation: 110.57±8 m
Accuracy: 11.1 m
Time: 05-10-2021 09:26
Note: Bina chaurasta saraiya road se Bela gram

Powered by NoteCam



Latitude: 25.644541
Longitude: 84.613703
Elevation: 109.35±8 m
Accuracy: 8.7 m
Time: 05-10-2021 09:34
Note: Bina chaurasta saraiya road se Bela gram

Powered by NoteCam

29/10/21

29/10/21