

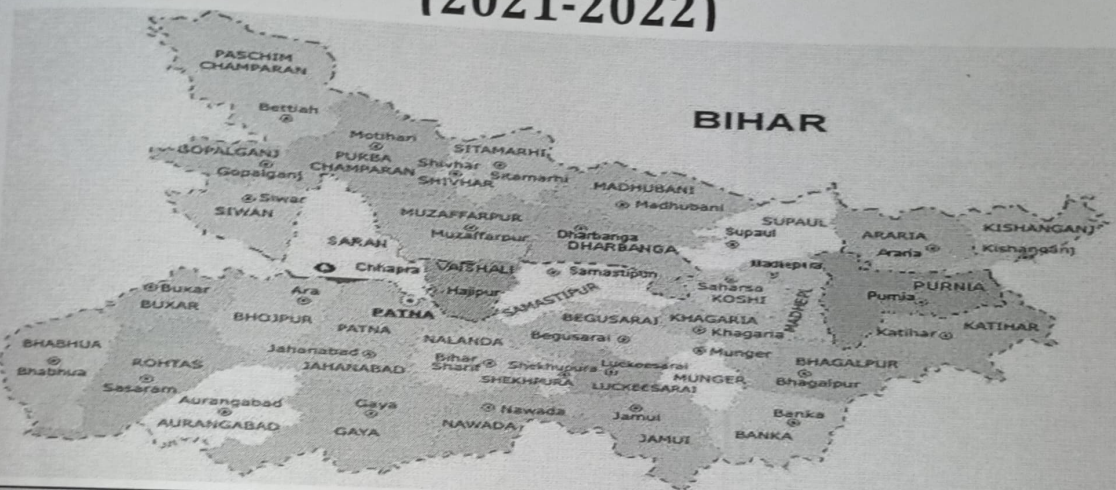


ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

FDR

PLAN HEAD FDR(2245)
(2021-2022)



**ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGE BY FLOOD) FOR
MOTARABLE WORK IN DUMARI PANCHAYAT MAIYA ASTHAN SE
GOBINDPUR TAK.**

DISTRICT	:-	Saran	
DIVISION	:-	Chapra-1	
BLOCK	:-	Nagra	
TOTAL LENGTH OF ROAD	:-	0.900	KM
TOTAL COST OF CONSTRUCTION	:-	4.396	Lac
TOTAL COST OF PROJECT	:-	4.396	Lac

9

Inspection Report for flood Damage Work

Date :-

1- Name of PIUs :- R.W.D., (W) Division, Chapra - 1

2- Name of Block/Road :- Nagya → Repair of Road (Damaged by flood)
in Dumari Panchayat maiya Asthan Se
Gobindpur tak

A. FOR RAOD

1- Damage Location/Chainage :- 0 to - 0.900 km.

2- Damage Length :- 0.492 km

3- Nature of Damage :- Breaches

4- Details of Restoration :-

i- Material being used in Restoration

:- Brick bats

ii- Equipment/Tools being used in Restoration Works

:- JCB & Roller

iii- Procedure taken up in Restoration Works

:- Motorable

iv- Restored Length

:- 0.492 km

B. FOR BRIDGE

1- Damage Location/Chainage :-

2- Damage Length :-

3- Nature of Damage :-

4- Details of Restoration :-

i- Material being used in Restoration

ii- Equipment/Tools being used in Restoration Works

iii- Procedure taken up in Restoration Works

iv- Restored Length

NIL

NIL

Signature of JE/AE/EE A.E.

Signature

(Name of Inspector)

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- Dumari Panchayat Maiya Asthan Se Gobindpur Tak.

पथ की लम्बाई:- 0.900 KM.

प्राक्कलित राशि:- 439583 रु

प्रखंड:-नगरा

जिला:-सारण

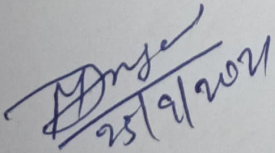
प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमंडल छपरा-1 के प्रखंड नगरा अंतर्गत बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों के मोटेरेबुल कार्य का प्राक्कलन ग्रामीण कार्य विभाग के उच्चाधिकारी के निर्देशानुसार तैयार किया गया है।

विदित है कि माह जुलाई, अगस्त और सितम्बर 2021 में अतिवृष्टि एवं बाढ़ के कारण निर्मित/निर्माणाधीन पथों में काफी क्षति हुई है। अतिवृष्टि एवं बाढ़ के कारण पथों में हुई कटाव से आवागमन प्रभावित हुआ है। वाहन का आवागमन आवश्यक है एवं लोगों की कठिनाईयों को देखते हुए उच्चाधिकारी के निर्देशानुसार पथों को तत्काल मोटेरेबुल करने का निर्देश दिया गया है जिसमें पथ में Brick Bats भरकर मोटेरेबुल किया गया है ताकि यातायात सुनिश्चित हो सके।

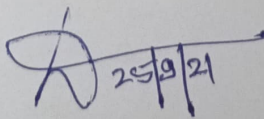
उपरोक्त आलोक में क्षतिग्रस्त पथों में तत्काल Brick Bats से भरकर वाहन का आवागमन चालू किया गया है।

इस प्रकार प्राक्कलन में Brick Bats भरने के साथ आवश्यक मदों का प्रावधान किया गया है।

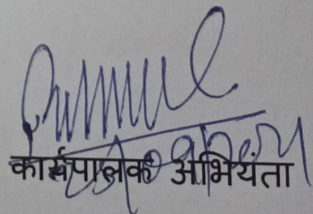
प्राक्कलन वर्तमान अनुसूचित दर पर तैयार कर आवश्यक कारवाई हेतु समर्पित किया जाता है।


25/9/2021

कनीय अभियंता


25/9/21

सहायक अभियंता


25/9/2021

कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- Nagra

District:- Saran

Length of Road:-

0.900 KM

Name of Road:-

Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in
Dumari Panchayat Maiya Asthan Se Gobindpur Tak.

Sl. No.	Item of Work	Amount
A	TOTAL COST	4.396 Lacs
	TOTAL	4.396 Lacs

[Signature]
25/9/2021
Junior Engineer

[Signature]
25/9/21
Asstt. Engineer

[Signature]
25/9/2021
Executive Engineer

T/A. for Rs. 4,39,600/- (Rupees four lakh.
thirty nine thousand six hundred) only.
SE
RWD

[Signature]
27/11/21
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

T/S for Rs 439600/— (Rupees four lakh thirty nine
thousands six hundred) only.

Ali

27/11/24

Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

ANNEXTURE-1

Estimate for Repair of Road Breaches (Damage By Flood) For
Name Of Road :- Motarable Work in Dumari Panchayat Malya Asthan Se Gobindpur
Tak.

Block:- Nagra

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	"	1	2.30	4.15	0.15	CUM	1.43 m3
2	"	1	1.60	2.45	0.15	CUM	0.59 m3
3	"	2	1.15	1.25	0.15	CUM	0.43 m3
4	"	1	4.40	1.20	0.30	CUM	1.58 m3
5	"	1	11.50	1.35	0.40	CUM	6.21 m3
6	"	1	12.40	1.10	0.35	CUM	4.77 m3
7	"	1	14.00	2.95	0.40	CUM	16.52 m3
8	"	1	9.50	3.00	0.35	CUM	9.98 m3
9	"	1	9.00	0.85	0.30	CUM	2.30 m3
10	"	2	1.50	3.00	0.35	CUM	3.15 m3
11	"	4	1.40	1.10	0.20	CUM	1.23 m3
12	"	1	2.50	1.20	0.25	CUM	0.75 m3
13	"	1	6.60	1.65	0.35	CUM	3.81 m3
14	"	2	1.20	1.35	0.30	CUM	0.97 m3
15	"	1	11.55	1.45	0.20	CUM	3.35 m3
16	"	1	7.00	1.40	0.35	CUM	3.43 m3
17	"	3	1.95	2.10	0.30	CUM	3.69 m3
18	"	1	5.00	0.95	0.30	CUM	1.43 m3
19	"	2	12.00	2.90	0.40	CUM	27.84 m3
20	"	1	14.00	2.85	0.45	CUM	17.96 m3
21	"	1	5.60	2.95	0.35	CUM	5.78 m3
22	"	1	6.00	2.55	0.35	CUM	5.36 m3
23	"	1	21.00	3.00	0.40	CUM	25.20 m3
24	"	2	9.90	2.15	0.30	CUM	12.77 m3
25	"	4	1.65	1.20	0.30	CUM	2.38 m3
26	"	1	9.00	0.90	0.40	CUM	3.24 m3
27	"	2	1.50	3.00	0.30	CUM	2.70 m3
28	"	1	1.70	2.10	0.30	CUM	1.07 m3
29	"	2	6.50	2.80	0.35	CUM	12.74 m3

30	"	1	9.00	2.90	0.30	CUM	7.83 m3
31	"	1	2.50	1.60	0.15	CUM	0.60 m3
							191.07 m3

[Signature]
25/9/21
JE
RWD

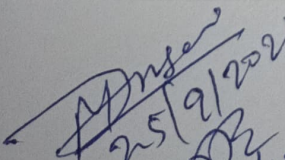
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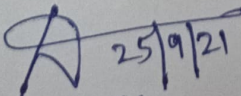
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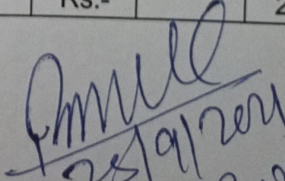
Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	Labour for dry graded jhama khoa folter under Brick Pitching or boulder pitching in slope or apron including light ramming etc. All complete as per approved design specification and direction of E/I.				
	Unit:-Per Cum				
	Taking Output =2.832 Cum				
	Unskilled Mazdoor				
	Add 6% Overhead Charge	Nos.	3	304.00	912.00
	Rate for 2.832 Cum				54.72
	Rate Per Cum(Rs.)=				966.72
					341.36
RCD	Cost of haulage Excluding Loading and Unloading				
	Haulage of Materials By Tractor Excluding Cost Of loading, unloading and stacking				
	Unit-t.km				
	Taking output 3.60 tonnes load and lead 10 km =36.0 t.km				
	(i) Surface Road				
	Speed With load :15 km / hour.				
	a)Machinery.				
	Tractor 3.6 tonnes Capacity				
	Time Taken For onward haulage with load	hour	0.667	652.00	434.88
	Time Taken For empty return trip	hour	0.400	652.00	260.80
	b) Overhead Charges @0.06 on (a)				41.74
	Cost for 36 t km=(a+b+c)/36				737.43
	Say RS.-				20.48
	ii) Unsurface Gravel Road				
	Speed With load :12 km / hour.				
	Speed for empty return trip :20 km / hour.				
	a)Machinery.				
	Tractor 3.6 tonnes Capacity				
	Time Taken For onward haulage with load	hour	0.833	652.00	543.12
	Time Taken For empty return trip 0.50	hour	0.500	652.00	326.00
	b) Overhead Charges @0.06 on (a)				52.15
	Cost for 36 t km=(a+b+c)/840.34				921.26
	Rate per t.km = (a+b+c)/3623.34				25.59
	Say RS.-				25.59

1.1 RCD	Loading and Unloading of Stone Boulder / Stone aggregate / sand / kanker / Moorum				
	Placing Tractor at loading point, loading with frontloader, dumping, turnig for return trip, excluding for haulage and return trip.				
	Unit = cum				
	Taking output = 2.25 cum				
	Time required for				
	i) Positioning of Tracter at loading Point		1 Min		
	ii) Loading by front end loader 1cum bucket @ capacity 25 cum per hour		5 Min		
	iii) Maneuvering, reverse, dumping and turnig for return		0 Min		
	iv) Wating time, unforeseen Contingencies etc.		0 Min		
	Total		6 Min		
	a) Labour				
	Mate	Day	0.03	316.00	9.48
	Mazdoor for loading and unloading	Day	0.72	304.00	218.88
	b) Machinery				
	Tractor 3.60 tonnes capacity	hour	0.10	652.00	65.20
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	3201.00	265.68
	c) Overhead charges @ 0.06 on (a+b)				33.55
	Cost for 2.25 cum = a+b+c+d				592.80
	Cost for 2.25 cum = (a+b+c+d)/2.25				263.47
Note-	Unloading will be done manually.				
1	Suplying for Brick Bats (With OH)				
A	Basic Rate of Brick Bats	Per Cum		1006.00	1006.00
	Add overhead Charges 6%		0.06		60.36
	Total-				1066.36
	Surface Lead	km	7.00		
	Unsurface Lead	km	1.00		
	Factor(3.6/2.25)	cum	1.60		
B	Carriage (with OH)				
	$(1.6 \times 7 \times 20.48 + (1.6 \times 1 \times 25.59) + 263.47$				533.83
C	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				341.36
	Total (A+B+C)-				1941.55
	Add 1% Labour Cess (A+B+C)				19.42
	Add 12% GST(A+B+C)				232.99
	Add 10% cost of Material for seigniorage Fee		1.00	106.64	106.64
	Total Cost per Cum		Rs:-		2300.58


 25/9/2021
 Anurag


 25/9/21
 A.E.


 25/9/2021
 E.B. / RWD / Chapra-I