



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 MUSEPUR SE DHANOURA BAZAR TO MAUZAMPUR
HARIJAN TOLA VIA NARAW PMGSY ROAD**

DISTRICT	:-	Saran	
DIVISION	:-	Chapra-1	
BLOCK	:-	Garkha	
TOTAL LENGTH OF ROAD	:-	3.310	KM
TOTAL COST OF CONSTRUCTION	:-	2.684	Lac
TOTAL COST OF PROJECT	:-	2.684	Lac

Inspection Report for flood Damage Work

Date :-

- 1- Name of PIUs :- R.W.D., (W) Division, Chapra - 1
2- Name of Block/Road :- *Gravels / Restoration of road in Musapur so Dhanaura
Bazar to Mouzampur (Harjaya) Jula via
Narain P. Singh Road.*

A. FOR RAOD

- 1- Damage Location/Chainage :- 0.0 km to 2.0 km
2- Damage Length :- 0.215 km.
3- Nature of Damage :- *Breaches in B.T. Rec Road.*
4- Details of Restoration :-
i- Material being used in Restoration :- *brick bats & Raigh*
ii- Equipment/Tools being used in Restoration Works :- *J.C.B. and Road Roller*
iii- Procedure taken up in Restoration Works :- *Laying and filling brick
bats & compaction*
iv- Restored Length :- *0.215 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

[Signature]
28/5/21
Signature of JE/AB/EE

[Signature]
28.5.21
A-2

[Signature]
Executive Engineer
Rural Works Department
(Name of Inspector) Marhaura

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- Musepur Se Dhanoura Bazar to Mauzampur Harijan Tola
Via Naraw PMGSY Road

पथ की लम्बाई:- 3.310 KM.

प्राक्कलित राशि:- 268448 रु

प्रखंड:-गरखा

जिला:-सारण

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

विदित है कि माह अगस्त 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 मोटरेबुल करने का निर्देश दिया गया है जिसमें पथ में Brick Bats भरकर मोटरेबुल 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।


28/9/2021

कनीय अभियंता


28.9.21

सहायक अभियंता

कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- Garkha

District:- Saran

Length of Road:- 3.310 KM

Name of Road:-

Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in
Musepur Se Dhanoura Bazar to Mauzampur Harijan Tola Via Naraw PMGSY Road

SL. No.	Item of Work	Amount
A	TOTAL COST	: 2.684 Lacs
	TOTAL	: 2.684 Lacs

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28/9/2021

Junior Engineer

[Signature]
28.9.21

Asstt. Engineer

[Signature]
28/9/2021

Executive Engineer

T/A. for Rs. 2,68,400/- (Rupees two Lakhs,
Sixty Eight thousand, four hundred) only
SE
RWD

[Signature]
28/11/21
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

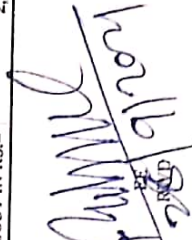
7/5 for Rs 2,68,400/- (Two lakh sixty eight
thousand four hundred) only.


27/11/24
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

Name Of Road :-		Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Musepur Se Dhanoura Bazar to Mauzampur									
Sl. No.	SDR Sl. No	MORD Rel. No	Block :-		Garidha		DISTRICT:-		Saran		LENGTH:- 3.310 KM
			Description		Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE
1	S.1.3.2 (iii)		BRICK BATS								
			Providing brick bats including spreading laying Labour for dry graded jhama khaa folter under Brick Pitching or boulder pitching in slope or apron including light ramming etc. All complete job as per approved design specification and direction of E/Including carriage cost of bricks.								
			Quantity As Per Annexure		Cum					116.687	
			Total Quantity=							116.69	2,300.58
			TOTAL COST IN RS.=								2,68,448.00


 JE
 28/9/2021
 RWD


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 28.9.21
 RWD


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 28/9/2021

ANNEXTURE-1

Estimate for Repair of Road Breaches (Damage By Flood) For
Name Of Road :- Motarable Work in Musepur Se Dhanoura Bazar to Mauzampur
Harijan Tola Via Naraw PMGSY Road

Block:- Garkha

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	1st Km	3	3.50	1.95	0.15	CUM	3.07 m3
2	"	1	4.00	1.50	0.65	CUM	3.90 m3
3	"	1	1.20	1.25	0.30	CUM	0.45 m3
4	2nd km	1	20.00	2.80	0.15	CUM	8.40 m3
5	"	2	6.60	1.70	0.50	CUM	11.22 m3
6	"	1	11.00	1.75	0.30	CUM	5.78 m3
7	"	2	17.00	1.35	0.30	CUM	13.77 m3
8	"	1	3.60	1.20	0.22	CUM	0.95 m3
9	"	4	15.00	2.75	0.30	CUM	49.50 m3
10	"	1	25.00	1.30	0.30	CUM	9.75 m3
11	"	2	12.00	1.10	0.30	CUM	7.92 m3
12	"	1	9.00	1.00	0.22	CUM	1.98 m3
TOTAL QUANTITY =							116.69 m3

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JE
RWD

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	Nos.	3	304.00	912.00
	Add 6% Overhead Charge				54.72
	Rate for 2.832 Cum				966.72
	Rate Per Cum(Rs.)=				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 front loader, 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				
ii) Loading by front end loader 1cum bucket @ capacity 25 cum per hour				
		1 Min		
iii) Maneuvering, reverse, dumping and turnig for return				
		5 Min		
iv) Wating time, unforeseen Contingencies etc.				
		0 Min		
Total				
		0 Min		
a) Labour				
		6 Min		
Mate				
Mazdoor for loading and unloading				
	Day	0.03	316.00	9.48
b) Machinery				
	Day	0.72	304.00	218.88
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 Supplying 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)				
				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

28/9/2021
DR
Ganesh

28.9.21
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28/9/2021
EE/RWD/ch-I



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