

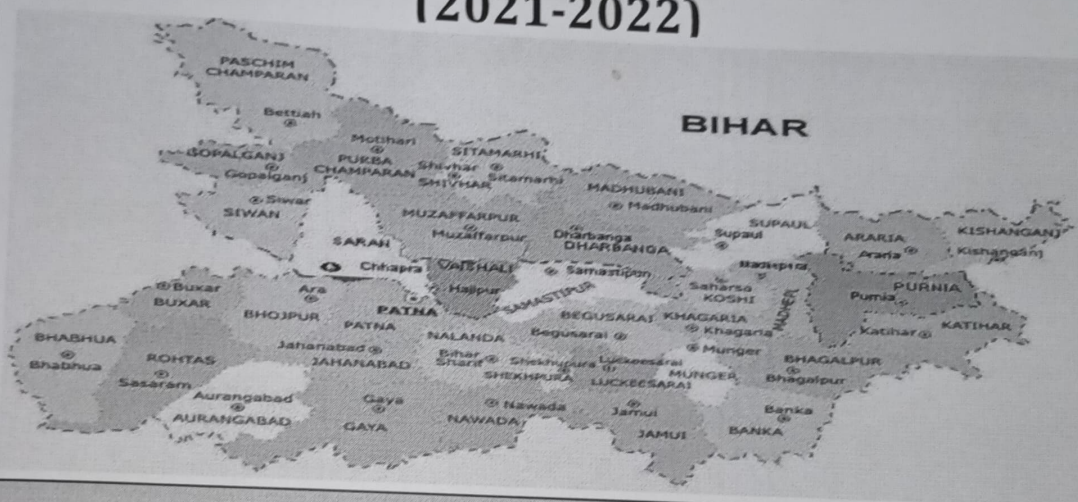


ग्रामीण कार्य विभाग

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 PACHBHERIA TO ZILKABAD

DISTRICT	:-	Saran	
DIVISION	:-	Chapra-1	
BLOCK	:-	GARKHA	
TOTAL LENGTH OF ROAD	:-	2.610	KM
TOTAL COST OF CONSTRUCTION	:-	3.019	Lac
TOTAL COST OF PROJECT	:-	3.019	Lac

3

Inspection Report for flood Damage Work

Date :-

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

2- Name of Block/Road :- GARKHA / Restoration of road (dammed by flood)
from Pachbheria to Zilka Bad. (L=2.61km)

A. FOR ROAD

1- Damage Location/Chainage :- 0.0km to 2.61 km (2nd 23rd km)

2- Damage Length :- 0.240 km.

3- Nature of Damage :- breachy in B.T. Road

4- Details of Restoration :-

i- Material being used in Restoration

:- Brick bats

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

iv- Restored Length

:- 0.240 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 of JE/AE/EE

Signature

(Name of Inspector)

FDR(2021-2022)
प्रतिवेदन

पथ का नाम:- Pachbheria To Zilkabad

पथ की लम्बाई:- 2.610 KM.

प्राक्कलित राशि:- 301881 रु

प्रखंड:- गरखा

जिला:- सारण

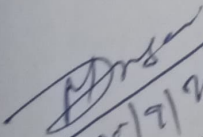
प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमंडल छपरा-1 के प्रखंड नगरा अंतर्गत बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों के मोटेरेबुल कार्य का प्राक्कलन ग्रामीण कार्य विभाग के उच्चाधिकारी के निर्देशानुसार तैयार किया गया है।

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।

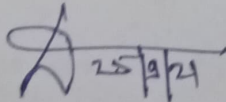
उपरोक्त आलोक में क्षतिग्रस्त पथों में तत्काल Brick Bats से भरकर वाहन का आवागमन चालू किया गया है।

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

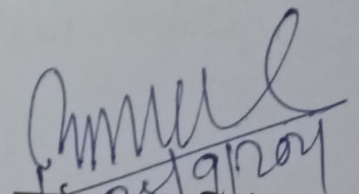
प्राक्कलन वर्तमान अनुसूचित दर पर तैयार कर आवश्यक कारवाई हेतु समर्पित किया जाता है।


25/7/2021

कनीय अभियंता



सहायक अभियंता


कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- GARKHA District:- Saran
Length of Road:-- 2.610 KM
Name of Road:-- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Pachbheria To Zilkabad

SL. No.	Item of Work	Amount
A	TOTAL COST	: 3.019 Lacs
	TOTAL	: 3.019 Lacs

[Signature]
25/9/2021
Junior Engineer

[Signature]
25/9/21
Asstt. Engineer

[Signature]
Executive Engineer

T/A. for Rs. 3,01,900/- (Rupees three lacs, one thousand nine hundred and ^{SE} only.
RWD

[Signature]
25/9/21
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

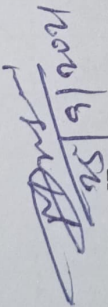
T/S for Rs. 30,900/- (Rupees three lakh.
one thousands nine hundred) only.

For
27/11/21

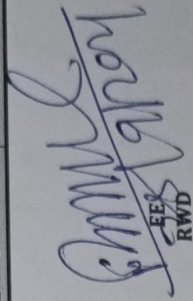
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

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

Name Of Road :-			Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Pachbheria To Zilkabad						Block :-		Nagra		DISTRICT:-		Saran		LENGTH :-		2.610 KM	
Sl. No.	SDB SL.NO	MORD Ref.No	Description			Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)							
1	8.1.3.2 (iii)		BRICK BATS Providing brick bats including spreading laying, Labour for dry graded Jhama khoa 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/I, including carriage cost of bricks.																	
			Quantity As Per Annexure			Cum					131.219									
			Total Quantity=								131.22	2,300.58	3,01,881.00							
			TOTAL COST IN RS.=								TOTAL COST IN RS.=		3,01,881.00							


 25/9/24
 JE
 RWD


 25/9/24
 AE
 RWD


 25/9/24
 RWD

ANNEXTURE-1

GARKHA

Name Of Road :- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Pachbheria To Zilkabad

Block:- GARKHA

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	"	1	4.50	1.90	0.25	CUM	2.14 m3
2	"	1	9.70	1.20	0.15	CUM	1.75 m3
3	"	1	2.00	1.00	0.15	CUM	0.30 m3
4	"	1	15.60	0.90	0.30	CUM	4.21 m3
5	"	2	8.00	1.20	0.35	CUM	6.72 m3
6	"	2	3.00	0.90	0.15	CUM	0.81 m3
7	"	1	11.00	1.25	0.40	CUM	5.50 m3
8	"	1	6.00	1.20	0.30	CUM	2.16 m3
9	"	1	14.50	2.60	0.40	CUM	15.08 m3
10	"	1	9.25	1.70	0.45	CUM	7.08 m3
11	"	1	18.00	1.10	0.45	CUM	8.91 m3
12	"	1	22.00	3.00	0.40	CUM	26.40 m3
13	"	1	3.90	3.70	0.45	CUM	6.49 m3
14	"	1	2.00	1.25	0.30	CUM	0.75 m3
15	"	1	10.00	1.25	0.35	CUM	4.38 m3
16	"	1	1.00	2.25	0.20	CUM	0.45 m3
17	"	1	6.00	1.25	0.40	CUM	3.00 m3
18	"	1	10.90	3.65	0.45	CUM	17.90 m3
19	"	1	4.00	2.10	0.25	CUM	2.10 m3
20	"	1	4.60	1.30	0.15	CUM	0.90 m3
21	"	1	4.50	2.20	0.25	CUM	2.48 m3
22	"	1	4.90	0.50	0.15	CUM	0.37 m3
23	"	1	5.50	0.95	0.25	CUM	1.31 m3
24	"	2	7.50	1.00	0.15	CUM	2.25 m3
25	"	1	18.00	0.80	0.25	CUM	3.60 m3
26	"	1	14.00	1.00	0.30	CUM	4.20 m3
							131.22 m3

25/9/2024

JE
RWD

25/9/24
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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/L.				
	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 front loader, dumping, turning for return trip, excluding for haulage and return trip.			
	Unit = cum			
	Taking output = 2.25 cum			
	Time required for			
	i) Positioning of Tractor at loading Point			
	ii) Loading by front end loader 1 cum bucket @ capacity 25 cum per hour	1 Min		
	iii) Maneuvering, reverse, dumping and turning for return	5 Min		
	iv) Waiting time, unforeseen Contingencies etc.	0 Min		
	Total	0 Min		
	a) Labour	6 Min		
	Mate			
	Mazdoor for loading and unloading	Day	0.03	316.00
	b) Machinery	Day	0.72	304.00
	Tractor 3.60 tonnes capacity	hour	0.10	652.00
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	3201.00
	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)			
	(1.6 x 7 x 20.48 + (1.6 x 1 x 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

[Signature]
25/9/2024

[Signature]
25/9/21
A.E.

[Signature]
25/9/2024
EE/RWD/ch-I