

Date:

1. Name of PIUs-

Inspection Report for flood damage work
G.G.R.W.D. Division, Marhaur,

2. Name of Block/Road- Masodk

Repair at Road Breeches (Damage by flood) for
Notable work in chainpur pokher & khatapir
shiv mandir,

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

57M
Cut in Road, 19x20 Flood Drain

: Balki Bat
- Tactor, Roller, Pilling
: Balki Bat
: 57M
: CM

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

21.11.20
Signature of JE/AE/EE

21/11/20
AE

21/11/2020
Signature

(Name of Inspector)



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

FDR

PLAN HEAD FDR (2245) (2020-2021)



ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGE BY FLOOD) FOR MOTARABLE WORK IN CHAINPUR POKHAR SE HASANPEER SHIV MANDIR TAK.

DISTRICT	:-	Saran	
DIVISION	:-	Marhaura	
BLOCK	:-	Mashrakh	
TOTAL LENGTH OF ROAD	:-	1.260	KM
TOTAL COST OF CONSTRUCTION	:-	9.019	Lac
TOTAL COST OF PROJECT	:-	9.019	Lac

FDR

GENERAL ABSTRACT OF COST

Block:- Masbura

District:- Saran

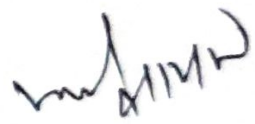
Length of Road:- 1.260 KM

Name of Road:- Estimate for Repair of Road Breaches (Damage By Flood) For Motorable Work in Chainpur Pokhar Se Hasanpeer Shiv Mandir Tak.

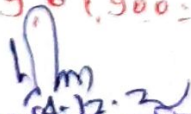
Sl. No.	Item of Work	Amount
A	TOTAL COST	9.019 Lacs
	TOTAL	9.019 Lacs


4.12.20
Junior Engineer


04/12/20
Asstt. Engineer


Executive Engineer

Technically approved for Rs. 9,01,900.00 (Nine lakhs one thousand nine hundred)


अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा

ANNEXTURE-1

Estimate for Repair of Road Breaches (Damage By Flood) For
Name Of Road :- Motarable Work in Chainpur Pokhar Se Hasanpeer Shiv Mandir
Tak.

Block:- Mashrakh

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	CH- 0.900 Km.	1	6.00	3.00	0.90	CUM	16.20 m ³
2	CH- 0.920 Km.	1	5.00	6.00	1.30	CUM	39.00 m ³
3	CH- 0.930 Km.	1	5.00	6.00	1.20	CUM	36.00 m ³
4	CH- 0.950 Km.	1	20.00	6.00	1.50	CUM	180.00 m ³
5	CH- 1.000 Km.	1	15.00	6.00	1.40	CUM	126.00 m ³
6	CH- 1.100 Km.	1	3.00	6.00	1.20	CUM	21.60 m ³
TOTAL QUANTITY =							418.80 m ³

[Signature]
4/12/20

JE
RWD

[Signature]
4/12/20

AE
RWD

[Signature]

JE
RWD

Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
6.6.1 WRD Bihar	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	287 00	861 00
	Add 6% Overhead Charge				51 66
	Rate for 2.832 Cum				912 66
	Rate Per Cum(Rs.)=				322 27
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	549.10	366.25
	Time Taken For empty return trip	hour	0.400	549.10	219.64
	b) Overhead Charges @0.06 on (a)				35.15
	Cost for 36 t km=(a+b+c)/36				621.04
	Say RS.-				17.25
	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	549.10	457.40
	Time Taken For empty return trip 0.50	hour	0.500	549.10	274.55
	b) Overhead Charges @0.06 on (a)				43.92
	Cost for 36 t km=(a+b+c)/840.34				775.87
	Rate per t.km = (a+b+c)/3623.34				21.55
	Say RS.-				21.55

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		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			
	Mazdoor for loading and unloading	Day	0.03	305 00
	b) Machinery	Day	0.72	287 00
	Tractor 3.60 tonnes capacity	hour	0.10	549 10
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	1403 00
	c) Overhead charges @ 0.06 on (a+b)			23 23
	Cost for 2.25 cum = a+b+c+d			410 38
	Cost for 2.25 cum = (a+b+c+d)/2.25			182 39
Note-	Unloading will be done manually.			
1	Suplying for Brick Bats (With OH)			
A	Basic Rate of Brick Bats	Per Cum	1017 00	1017 00
	Add overhead Charges 6%	0.06		61 02
	Total-			1078 02
	Surface Lead	km	7.00	
	Unsurface Lead	km	1.00	
	Factor(3.6/2.25)	cum	1.60	
B	Carriage (with OH)			
	$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 21.55) + 182.39$			410 07
C	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)			
	Total (A+B+C)-			1810 36
	Add 1% Labour Cess (A+B+C)			18 10
	Add 12% GST(A+B+C)			217 24
	Add 10% cost of Material for seigniorage Fee	1.00	107 80	107 80
	Total Cost per Cum	Rs:-		2153 51