

Inspection Report for Flood damage work

Date:

1. Name of PIUs-

EE RMD (W) Jansin, Markaur

2. Name of Block/Road-

A. For Road

- Masraik

Repair of Road Breached (Damage by Flood) for Motable work in sh-73 SC

1. Damage Location/Chainage :

- Bahrauli to Bahruli

2. Damage Length

- 29M

3. Nature of Damage

cut in Road, due to flood & rain

4. Details of Restoration

i Material being used in Restoration

- Bitulic Bats

ii Equipment/Tools being used in Restoration works:

- Tactor Roller

iii Procedure taken up in Restoration works

- 29M Bitulic Bat

iv Restored Length

- 29M

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

Signature of JE/AE/EE

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 SH-73 SE BAHRAULI TO BAHRAULI KUMHAR TOLI.

DISTRICT	:-	Saran	
DIVISION	:-	Marhaura	
BLOCK	:-	Mashrakh	
TOTAL LENGTH OF ROAD	:-	0.975	KM
TOTAL COST OF CONSTRUCTION	:-	14.614	Lac
TOTAL COST OF PROJECT	:-	14.614	Lac

FDR

GENERAL ABSTRACT OF COST

Block:- Mashrakh

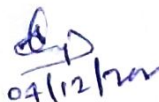
District:- Saran

Length of Road:- 0.975 KM

Name of Road:- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in SH-73 Se Bahrauli To Bahrauli Kumhar Toli.

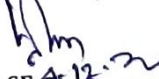
SL. No.	Item of Work	Amount
A	TOTAL COST :	14.614 Lacs
	TOTAL :	14.614 Lacs


4/12/20
Junior Engineer


04/12/20
Asstt. Engineer

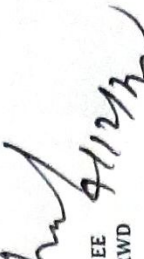

Executive Engineer

Technically approved Rs 1461400/- (Fourteen Lakhs and four thousand four hundred rupees)


SE 4/12/20
अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा

Name Of Road :-		Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in SH-73 Se Bahrauli To Bahrauli Kumbhar Toll.						Block :-		Mashrakb		DISTRICT:-		Saran		LENGTH:-		0.975 KM	
SL No.	SDB SL NO	MORD RefNo	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					678.600								
			Total Quantity=								678.60	2,153.51					14,61,369.00		
			TOTAL COST IN RS.=														14,61,369.00		


 04/12/20
 AE
 RWD


 EE
 RWD


 4/12/20
 JE
 RWD

ANNEXTURE-1

Name Of Road :- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in SH-73 Se Bahrauli To Bahrauli Kumhar Toli.							Block:- Mashrakh
Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
Measurement After 1st Flood on 25.09.2020							
1	CH-0.500 km	1	17.00	6.00	4.50	CUM	459.00 m3
Measurement After 2nd Flood on 10.10.2020							
2	CH-0.500 km	1	12.00	6.00	3.05	CUM	219.60 m3
TOTAL QUANTITY =							678.60 m3


JE
RWD


AE
RWD


EE
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 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	305.00	9.15
	Mazdoor for loading and unloading	Day	0.72	287.00	206.64
	b) Machinery				
	Tractor 3.60 tonnes capacity	hour	0.10	549.10	54.91
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	1403.00	116.45
	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 x 7 x 17.25) + (1.6 x 1 x 21.55) + 182.39				410.07
C	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				322.27
	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