

Date:
1. Name of PIUs-

Inspection Report for flood damage work
E-Z. K.W.D. Division, Mashaawa.

2. Name of Block/Road- Maswak.

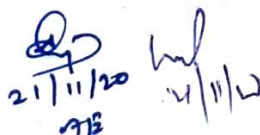
A. For Road Estimate for Repair of Road Bridges (Damage by flood)
for motorable work in Gopalbar to Jangauli path

1. Damage Location/Chainage : 248-30M
2. Damage Length : cut in road, due to flood & run
3. Nature of Damage :
4. Details of Restoration :
 - i Material being used in Restoration : Bricks Bats
 - ii Equipment/Tools being used in Restoration works: Tactor, Roller, Polythene
 - iii Procedure taken up in Restoration works : Bricks Bats
 - iv Restored Length : 248-30M

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/AF/EE


21/11/20
Signature


21/11/20
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 GOPALWARI TO GANGAULI PATH.

DISTRICT	::	Saran	
DIVISION	::	Marhaura	
BLOCK	::	Mashrakh	
TOTAL LENGTH OF ROAD	::	2.300	KM
TOTAL COST OF CONSTRUCTION	::	47.477	Lac
TOTAL COST OF PROJECT	::	47.477	Lac

FDR

GENERAL ABSTRACT OF COST

Block:- Mashrakh

District:- Saran

Length of Road:- 2.300 KM

Name of Road:- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Gopalwari To Gangauli Path.

SL. No.	Item of Work	Amount
A	TOTAL COST	: 47.477 Lacs
	TOTAL	: 47.477 Lacs


4.12.20
Junior Engineer


04/12/20
Asstt. Engineer


Executive Engineer

Technically approved for Rs 47.477 Lacs = (Forty Seven Lacs and Forty Seven thousand Seven hundred and Seventy Seven) only

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 Notarable Work In Gopalward To Gangauli Path.						Block :-		Mashrakh		DISTRICT:-		Saran		LENGTH :- 2.300 KM		AMOUNT (in Rs.)	
Sl. No.	SDB SL. NO	MORD Ref.No	Description		Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE									
1	8.1.3.2 (iii)		BRICK BATS																	
			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.																	
			Quantity As Per Annexure		Cum						2,204.620									
			Total Quantity =								2,204.62	2,153.51							47,47,661.00	
			TOTAL COST IN RS.																	47,47,661.00

JE 4112/20
RWD

AE 4112/20
RWD

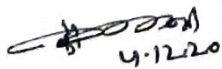
EE 4112/20
RWD

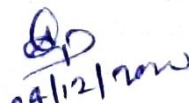
ANNEXTURE-1

Name Of Road :- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Gopalwari To Gangauli Path.

Block:- Mashrakh

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	CH-0.00 km	1	40.00	6.00	1.10	CUM	264.00 m3
2	CH-0.150 km	1	30.00	6.00	1.10	CUM	198.00 m3
3	CH-0.23 km	1	2.00	6.00	2.00	CUM	24.00 m3
4		1	3.00	6.00	1.90	CUM	34.20 m3
5		1	1.50	1.00	0.60	CUM	0.90 m3
6		1	10.00	1.00	0.60	CUM	6.00 m3
7	CH-0.120 km	1	39.80	6.00	3.90	CUM	931.32 m3
8	CH-0.120 km	1	20.00	6.00	1.20	CUM	144.00 m3
9	CH-0.120 km	1	2.00	1.00	1.10	CUM	2.20 m3
10	CH-2.000km	1	100.00	6.00	1.00	CUM	600.00 m3
TOTAL QUANTITY =							2204.62 m3


4.12.20
JE
RWD


04/12/2020
AE
RWD


4/12/20
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