

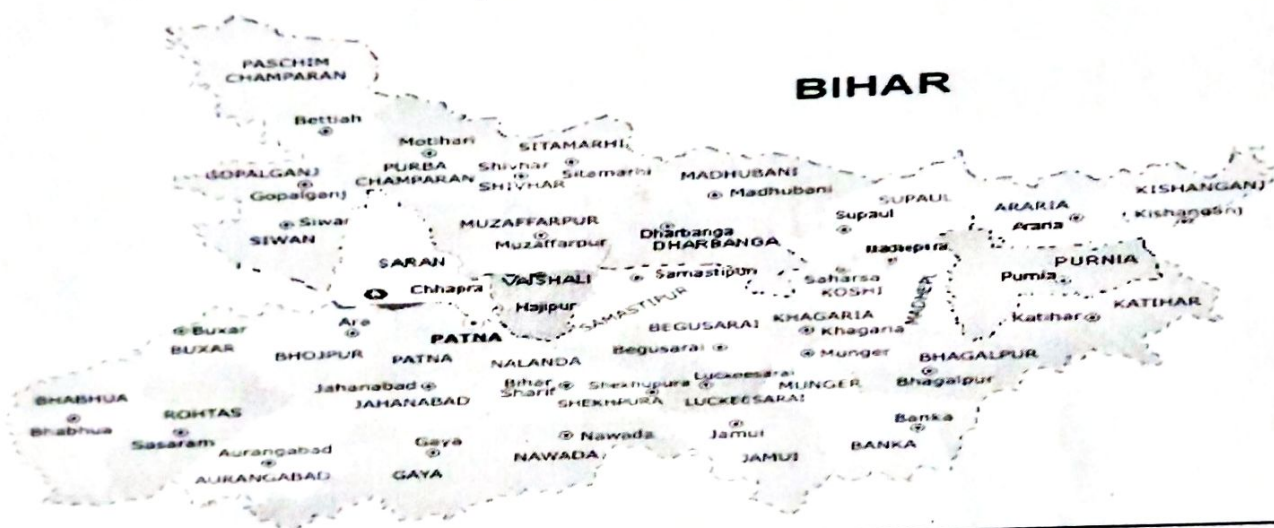


ग्रामीण कार्य विभाग

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 KATSA SCHOOL TO RAJPURA

DISTRICT	:-	Saran	
DIVISION	:-	Marhaura	
BLOCK	:-	Amnaur	
TOTAL LENGTH OF ROAD	:-	3.731	KM
TOTAL COST OF CONSTRUCTION	:-	3.778	Lac
TOTAL COST OF PROJECT	:-	3.778	Lac

Inspection Report For Flood Damage Work

Date:

1. Name of PIU - E.E.R.W.D. (W) Masdoura.
2. Name of Block/Road - ~~Amman~~ - Katsa School to Rajapur.

A. For Road

1. Damage Location/ Chainage :- 20m, 804, 804.
2. Damage Length :- 0.135 km.
3. Nature of Damage :- Cutting due to Flood.
4. Details of Restoration :-

- I. Materials being used in restoration :
II. Equipment/Tools being used in restoration works :
III. Procedure taken up in Restoration works :
IV. Restored Length :

Brick bats, Local sand filling.
Rollers, J.C.B, Rottas, Tractors, etc. etc.
Laying, dumping, filling in depth.
0.008 km.

B. For Bridge

1. Damage Location/ Chainage :-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration :-

- I. Materials being used in restoration :
II. Equipment/Tools being used in restoration works :
III. Procedure taken up in Restoration works :
IV. Restored Length :

Signature of AE/JE/EE

Signature

(B. Akhilesh Kumar)
(Name of Inspector)
EE
RWD (W) - SONEPUR

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- Katsa School To Rajpura

पथ की लम्बाई:- 3.731 KM.

पथ के क्षतिग्रस्त भाग की लम्बाई:-

प्रखंड:-अमनौर जिला :-सारण

प्रमंडल:-ग्रामीण कार्य विभाग कार्य प्रमंडल,मदौरा

अंचल:-ग्रामीण कार्य विभाग कार्य अंचल,छपरा

प्राक्कलित राशि:- 377825 रु

प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टिसे क्षतिग्रस्त पथो के मोटरबुल कार्य हेतु कुल रुपये 377825.000 लाख मात्र के लिए तैयार किया गया है।

विदित है की गत जून

महीने से सितम्बर अक्टूबर महीने तक लगातार अन्तराल पर जिला क्षेत्र अंतर्गत असामयिक रूप से पथ क्रस्ट काफी क्षतिग्रस्त हो गया जिससे पथो पर आवागमन बुरी प्रभावित हो गया। ऐसी परिस्थिति में पथो पर आम जनता को सुलभ आवागमन प्रदान करने हेतु विभागीय उच्चाधिकारियोंसे प्राप्त आदेश एवं इस संबंधमें विभाग से निर्गत दिशा निर्देश के अलोक में तत्काल प्रभाव से प्रभावित पथो में कटाव/क्षतिग्रस्त भाग में अवश्यकतानुसार Brick Bats भरकर चलने लायक बनाया गया है।

इस प्रकार कटाव/क्षतिग्रस्त भाग

में अवश्यकतानुसार Brick Bats इत्यादि मदों का प्रावधान करते हुए प्राक्कलन कुल रुपये 377825.000 लाख का तैयार किया गया है जो कार्य हित में आवश्यक एवं जनपयोगी है।

प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है, जिस पर स्वीकृति अपेक्षित है। प्राक्कलन में प्रकटे मदों की मात्रा एवं दामों की जांच की जा रही है जो लान के अनुरूप रहे।

30/10/21
कनीय अभियंता

30/10/21
सहायक अभियंता

कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- Amnaur

District:- Saran

Length of Road:-- 3.731 KM

Name of Road:-- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Katsa School To Rajpura

SL. No.	Item of Work	Amount
A	TOTAL COST :	3.778 Lacs
	TOTAL :	3.778 Lacs


Junior Engineer


Asstt. Engineer


Executive Engineer

T/S. for Rs. 3.778/- lacs.
(Repairs three lacs. Seventy seven thousand
Eight hundred) only.
SE
RWI


15/01/22
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

ANNEXTURE-1

Name Of Road :- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work In Katsa School To Rajpura

Block:- Amnaur

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	"	2	30.00	1.00	0.75	CUM	45.00 m3
2	"	2	20.00	1.50	0.65	CUM	39.00 m3
3	"	1	20.00	3.75	0.50	CUM	37.50 m3
4	"	2	5.00	1.00	0.55	CUM	5.50 m3
5	"	1	50.00	1.00	0.60	CUM	30.00 m3
TOTAL QUANTITY FOR BRICK BATS=							157.00 m3


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ANNEXTURE-2

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

Block:- Amnaur

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	"	2	30.00	1.00	0.10	CUM	6.00 m3
2	"	2	20.00	1.50	0.10	CUM	6.00 m3
3	"	1	20.00	3.75	0.10	CUM	7.50 m3
4	"	2	5.00	1.00	0.10	CUM	1.00 m3
5	"	1	50.00	1.00	0.10	CUM	5.00 m3
TOTAL QUANTITY FOR LOCAL SAND =							25.50 m3


30/10/21

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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, 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		1 Min		
	ii) Loading by front end loader 1 cum bucket @ capacity 25 cum per hour		5 Min		
	iii) Maneuvering, reverse, dumping and turning for return		0 Min		
	iv) Waiting time, unforeseen Contingencies etc.		0 Min		
	Total		6 Min		
	a) Labour				
	Mate	Day	0.03	316.00	9.48
	Mazdoor for loading and unloading	Day	0.72	304.00	218.88
	b) Machinery				
	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	#####	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
	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

Name of Road:- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Katsa School To Rajpura
District:- Saran Block :- Amnaur

SI No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km		Katcha	Loading & Unloading Cost	Carriage Cost by Rail Head	Total	Min Total
3	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 10.10$	$\times 2.00 \text{ Km}$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km}$	113.67	Rs. 38.96		Rs. 185.01

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