

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 in Baran Jila Antargat*
Garkha Prakhanda Gram Juwara Railway
Station 5.6 kothas hote hain Dhanowra Bazar
(L = 3.50 km)

A. FOR ROAD

1- Damage Location/Chainage :- 0.0 km to 3.0 km.

2- Damage Length :- 0.318 km -

3- Nature of Damage :- B-reaches in B-F Road.

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

:- brick bats, Rubish.
:- ~~Gravel~~ J.C.B. and Road Roller
:- Laying brick bats and
compaction
:- 0.318 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

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NIL

Satisfactory

16/9/21

Signature

(Name of Inspector)

Signature of JE/AE/EE

16.9.21
A.B

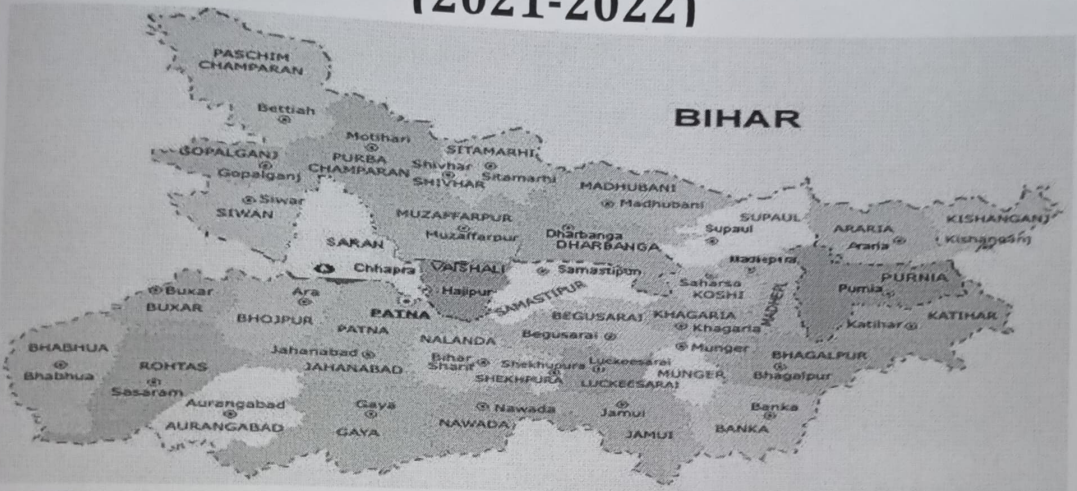


ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

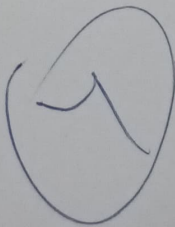
FDR

PLAN HEAD FDR(2245)
(2021-2022)



**ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGE BY FLOOD) FOR
MOTARABLE WORK IN SARAN JILA ANTARGAT GARKHA PRAKHAND GRAM
JUWARA RAILWAY STATION SE KOTHEYA HOTE DHANOURA BAZAR.**

DISTRICT	:-	Saran	
DIVISION	:-	Chapra-1	
BLOCK	:-	Garkha	
TOTAL LENGTH OF ROAD	:-	3.500	KM
TOTAL COST OF CONSTRUCTION	:-	4.738	Lac
TOTAL COST OF PROJECT	:-	4.738	Lac



FDR(2021-2022)

प्रतिवेदन

पथ का नाम:-

Saran Jila Antargat Garkha Prakhand Gram Juwara
Railway Station Se Kotheya Hote Dhanoura Bazar.

पथ की लम्बाई:- 3.500 KM.

प्राक्कलित राशि:- 473815 रु

प्रखंड:-गरखा

जिला:-सारण

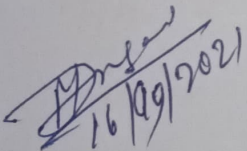
प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमंडल छपरा-1 के प्रखंड गरखा अंतर्गत बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों के मोटरेबुल कार्य का प्राक्कलन ग्रामीण कार्य विभाग के उच्चाधिकारी के निर्देशानुसार तैयार किया गया है।

विदित है कि माह अगस्त 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 मोटरेबुल करने का निर्देश दिया गया है जिसमें पथ में Brick Bats भरकर मोटरेबुल किया गया है ताकि यातायात सुनिश्चित हो सके।

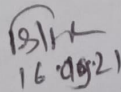
उपरोक्त आलोक में क्षतिग्रस्त पथों में तत्काल Brick Bats से भरकर वाहन का आवागमन चालू किया गया है।

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

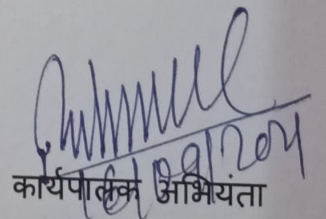
प्राक्कलन वर्तमान अनुसूचित दर पर तैयार कर आवश्यक कारवाई हेतु समर्पित किया जाता है।


16/09/2021

कनीय अभियंता


16/09/21

सहायक अभियंता


16/09/2021

कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- Garkha

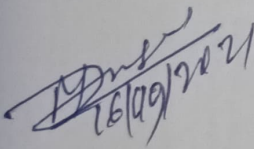
District:- Saran

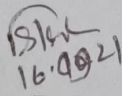
Length of Road:-- 3.500 KM

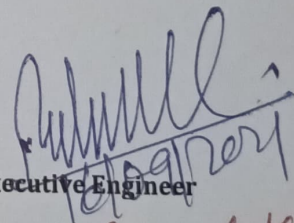
Name of Road:--

Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Saran Jila Antargat Garkha Prakhand Gram Juwara Railway Station Se Kotheya Hote Dhanoura Bazar.

SL. No.	Item of Work	Amount
A	TOTAL COST :	4.738 Lacs
	TOTAL :	4.738 Lacs

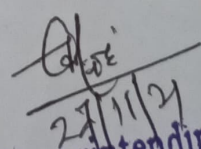

Junior Engineer


Asstt. Engineer


Executive Engineer

T/A. for Rs. 4,73,800/- (Rupees four lakhs. Seventy three thousand. Eight hundred) only.

SE
RWD


28/11/24
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

T/S for Rs 4,73,800/- (Rupees four lakh seventy
three thousand eight hundred) only.

~~27/11/24~~
27/11/24

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

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

ANNEXTURE-1

Estimate for Repair of Road Breaches (Damage By Flood) For
Name Of Road :- Motarable Work in Saran Jila Antargat Garkha Prakhand Gram
Juwara Railway Station Se Kotheya Hote Dhanoura Bazar.

Block:- Garkha

No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	1st Km	4	4.55	3.30	0.22	CUM	13.21 m3
2	"	2	2.20	3.50	0.15	CUM	2.31 m3
3	2nd km	2	9.50	1.95	0.30	CUM	11.12 m3
4	"	3	1.50	2.20	0.20	CUM	1.98 m3
5	"	8	1.40	2.00	0.30	CUM	6.72 m3
6	"	8	2.45	1.45	0.22	CUM	6.25 m3
7	"	6	3.30	2.50	0.20	CUM	9.90 m3
8	"	7	3.90	2.70	0.22	CUM	16.22 m3
9	3rd km	1	12.60	3.75	0.45	CUM	21.26 m3
10	"	2	6.00	2.95	0.35	CUM	12.39 m3
11	"	7	2.90	2.15	0.15	CUM	6.55 m3
12	"	5	4.45	1.50	0.22	CUM	7.34 m3
13	"	1	11.00	3.00	0.30	CUM	9.90 m3
14	"	1	5.50	3.60	0.30	CUM	5.94 m3
15	"	3	7.70	0.95	0.22	CUM	4.83 m3
16	"	2	5.00	2.80	0.30	CUM	8.40 m3
17	"	1	12.50	3.70	0.35	CUM	16.19 m3
18	"	2	11.00	3.00	0.30	CUM	19.80 m3
19	"	3	7.15	2.30	0.30	CUM	14.80 m3
20	"	1	12.00	1.65	0.20	CUM	3.96 m3
21	"	1	4.50	2.55	0.30	CUM	3.44 m3
22	"	1	3.50	1.90	0.30	CUM	2.00 m3
23	"	1	3.00	2.20	0.22	CUM	1.45 m3
TOTAL QUANTITY =							205.95 m3

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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 / Stoneaggregate / 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	316.00
Mazdoor for loading and unloading			Day	0.72	304.00
b) Machinery					
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)					
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

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16/09/2021

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16.09.21
A.R

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16/09/2021
EB