

## Inspection Report for Flood Damage work

Date:-

1 Name of PIUS :- RWD (W) Division Udakishungari-

2 Name of Block :- Gammagan

3 Name of Road :-

Shares tole To Kachhari Tola

### A. For Road

1 Damage Location/Chainage :-

2 Damage Length :-

0.210 K-M  
cutting in road.

3 Nature of damage :-

4 Details of Restoration Works :-

Bornbo, sand bags, bricks, local sand

i Material being used in Restoration works:-

Bornbo, Cement bag, L-sand, bricks

ii Equipments/Tools being used in Restoration works :-

Manually, Machinery.

iii Procedure taken up in Restoration works :-

Manually.

iv Restored Length :-

### B. For Bridge

1 Damage Location/Chainage :-

2 Damage Length :-

3 Nature of damage :-

4 Details of Restoration Works :-

i Material being used in Restoration works:-

ii Equipments/Tools being used in Restoration works :-

iii Procedure taken up in Restoration works :-

iv Restored Length :-

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check and found satisfactory.

25/01/21  
Signature  
(Name of Inspector)

ग्रामीण कार्य विभाग  
बिहार, सरकार

पत्रांक - मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/07/2021

प्रेषक,

पंकज कुमार पाल (भारतप्रतेज)  
सचिव

सेवा में,

सभी कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,

विषय- बाढ़ अतिवृष्टि से क्षतिग्रस्त पथों/पुलियों को यातायात लायक (Motorable) करने के संबंध में।

नहाशय,

उपर्युक्त विषय के संबंध में निदेश दिया जाता है कि प्रमंडल अन्तर्गत सभी अभियंता बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों का शत प्रतिशत निरीक्षण करेंगे। पथों/पुलियों के क्षतिग्रस्त भाग से पानी उतरते ही उसे यातायात लायक बनाने की कारवाई एवं Motorable किये जाने से पहले तथा Motorable कार्य के बाद का Real time, Geo tagged photographs को MIS पर तत्क्षण अपलोड किया जाना सुनिश्चित करेंगे। इन कार्यों को कराने हेतु कार्यपालक अभियंता पूर्ण रूप से जिम्मेवार होंगे। कार्य न कराने की स्थिति में उनके विरुद्ध अनुशासनिक कार्रवाई की बाध्यता होगी।

विश्वासभाजन

(पंकज कुमार पाल)

सचिव

ज्ञापांक- मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/7/2021

प्रतिलिपि:-सभी अधीक्षण अभियंता को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। साथ ही उन्हें निदेश दिया जाता है कि वे लगातार अनुश्रवण एवं निरीक्षण करते हुए क्षतिग्रस्त भाग को अतिशीघ्र यातायात लायक बनवाने की कार्रवाई सुनिश्चित करेंगे।

सचिव

ज्ञापांक-मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/7/2021

प्रतिलिपि:-सभी मुख्य अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं लगातार अनुश्रवण करने हेतु प्रेषित।

सचिव

## Index of Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION  
OF ROAD FROM BHARSO TOLA TO KATCHHARI TOLA

DISTRICT :- MADHEPURA

BLOCK :- ALAMNAGAR

Head :- F.D.R.

Year :- 2021-22

Actual Length of Road :- 1.817 Km

Flood Affected Length of Road :- 0.210 Km

TOTAL COST OF PAVEMENT :- ₹ 1,767,956.03

Sr. No.	Description	Page No.
1	Prativedan	
2	MIS Report	
3	Executive Engineer's Report	
4	Summary of Road	
5	Estimate of Road	
6	Carriage of Road	
7	Basic Rate of Labour, Material & Machinery	
8	Analysis of Rate	
9	Photographs of Pre & Post Cuttings /Ditches	

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# SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY  
RESTORATION OF ROAD FROM BHARSO TOLA  
TO KATCHHARI TOLA


DIVISION :- UDAKISHANGANJ

BLOCK :- ALAMNAGAR

Actual Length of Road :- 1.817 Km

Flood Affected Length of Road :- 0.210 Km


Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	1,323,309.48
2	Add:-Labour Cess @1% amt. =	13,233.09
3	Add:GST@12% on amt. =	158,797.14
4	Add:S.F.@ 10% on Material (Brick Bats) =	272,616.32
TOTAL RESTORATION COST OF THE PROJECT IN LACS		1,767,956.03

  
Junior Engineer

RWD (W) Division,Udakishanganj

Assistant Engineer

RWD (W) Division,Udakishanganj

  
Executive Engineer

RWD (W) Division,Udakishanganj

पत्रांक मु.अ. - 4 (मु.अ.) विविध (कार्य) 23-291/2019-4849

दिनांक - 21/12/2021

Technically Sanctioned for Rs 1267956.00  
(Rs Seventeen lacs sixty seven thousand nine-  
hundred fifty six) only

H. J. 20/04/22

Superintending Engineer  
Rural Works Department  
Works Circle Madhepura

### Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BHARSO TOLA TO KATCHHARI TOLA BLOCK :- ALAMNAGAR

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	629.20	Cum	582.71	Rs. 366,643.90
2	A/R	Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.	98.20	Cum	1922.87	Rs. 188,825.83
3	5.7.7	Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I	1005.00	m	45.86	Rs. 46,094.24
4	5.7.8	Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I	0.00	sqm	78.20	Rs. 0.00
5	5.7.9	Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I	760.00	m	5.31	Rs. 4,033.29
6		Supply of Bamboo at site.	294.00	nos.	188.39	Rs. 55,385.55
7	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I	17875.00	nos.	37.05	Rs. 662,326.67
8		Providing, laying and filling Geo bags of size 1m X 0.7 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m <sup>3</sup> weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)	0.00	Each	172.18	Rs. 0.00
9	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	0.00	Cum	2091.76	Rs. 0.00
10	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4046.57	Rs. 0.00
		Total			Rs.	Rs. 1,323,309.48

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Details of Measurement								
कार्य का ब्यौरा Detail of Work			संख्या No.	ISekkZi Measurement				मात्रा Quantity
				लम्बाई In m.		चौड़ाई In m.		
NAME OF ROAD :-			DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BIARSO TOLA TO KATCHIHARI TOLA					
Item No 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification							
Ch-in			1	22	4	7	5.5	5 20
Ch-in								629 200
Ch-in								0 000
Ch-in								0 000
Ch-in								0 000
Ch-in								0 000
			Total (In Cum)					629.200
Item No. 2 : Laying Brick	Providing and laying of Brck bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge							
			1	45 00		3 00		0 40
			1	12 00		2 50		0 30
			1	22 00		4 00		0 40
				3 00		1 00		0 40
				2 00		1 00		0 40
				2 00		1 00		0 30
				6 00		3 00		0 35
				12 00		2 00		0 30
				7 00		2 00		0 30
				9 00		3 00		0 30
				5 00		3 00		0 35
				13 00		2 50		0 25
				5 00		2 00		0 30
				7 00		2		0 35
				11 00		3		0 35
				4 00		3		0 30
				3 00		2.5		0 35
				10 00		2.5		0 30
Less For Pipe			0	10				0 000
				178.00	Total (In Cum)			98.200
Item No. 3	Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I							
CH-in			5	25				3
CH-in			6	30				3 5
For Bamboo pilling 1 25m			Total (In m)				1005.000	
Item No. 4	Labour for fitting and fixing Split bamboo woven chachan in position with 20 swg G I wire or 75 mm to 100 mm long nails alternatively including cost of G I wire or nails complete job as per specification and direction of E/I							
Size 6m*2m, Ch- 2nd km			0	8		0 9		0 00
For Chachary 01 no (6m) Bamboo=1 413 sqm			0	10 7		2		0 00
				Total (In sqm)				0 00
				Total (In m)				0 00
Item No. 5	Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G I. wire including cost of G I wire or nails complete job as per specification and direction of E/I							
CH-in			5	30		4		600 00
CH-in			8	20		5		160 00
			Total (In m)				760.00	
Item No. 6	Supply of Bamboo at site							
				Total (In m)				1765 00
				Total (In nos.)				294 17
								294.00
Item No. 7	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of suti and EC bag etc. all complete as per approved desing, specification and direction of E/I							
FIRST TIME			4	50 00		5 00		5 00
			4	50 00		5 00		5 00
			3	45 00		5 00		3375 00

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SECOND TIME				2	50.00		5.00		5.00	2500.00	
				2	25.00		8.00		5.00	2000.00	
TOTAL LENGTH=147.00				Total (in NOS)				17875.00			
(0.034m <sup>3</sup> =1 no. of EC Bags)								17875.00			
				Total (in nos )				17875.00			
Item No. 8	Providing, laying and filling Geo bags of size 1m X 0.7 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m <sup>3</sup> weight of filled Geo bags 128 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)										
				1	0		3.5		1.2	0.00	
				1	0		2		1.5	0.00	
										0.00	
(0.07m <sup>3</sup> =1 no. of Geo Bags)								0.00			
				Total (in nos )				0.00			
Item No. 9	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401 (Gr-II Material)										
				1	0		3.75		0.200	0.00	
								Total (Cum)			0.00
Item No. 1	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row (1000mm Dia).										
			Ch 0.00km	1	0		2.5			0.00	
								Total (in m)			0.00

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### Calculation of Seigniorage Fees

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BHARSO TOLA TO**  
**NAME OF ROAD :- KATCHHARI TOLA**  
**BLOCK :- ALAMNAGAR**

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing & Technical Specification				
		EW	029.20	Cum	141.85	89252.02
2/2	A/R	Providing & laying Brick Bat...				
		Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.				
		Brick Bats	98.20	Cum	1032.00	101342.40
3/7	5.7.40.1	Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved dosing, specification and direction of EA				
		Sand	#####	Cum	141.85	2535568.75
4/8	5.7.40.2	Providing, laying and filling Geo bags of size 1m X 0.7 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m <sup>3</sup> . weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carnage with help of trolley within 150m lead all complete as per specifications and direction of EA (including Carnage of Local sand lead 0.5 km)				
		Sand	0.00	Cum	141.85	0.00
5/9	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401				
		For Grading I Material (with Coarse Sand Screening)				
		Unit = Cum				
		Taking output = 300 cum				
		Coarse graded granular sub-base material as per Table 400.2				
		53 mm to 9.5mm @ 50 percent	180.00	Cum	518.42	92955.60
		9.5 mm to 2.36 mm @ 20 percent	72.00	Cum	411.33	29615.76
		2.36 mm below @ 30 percent (coarse Sand Screening)	108.00	Cum	185.94	20081.52
		Cost for 300 cum = a				142652.88
		Rate per Cum = (a)/300		Cum		475.51
			0.00	Cum	475.51	0.00
		GSB Gr-I				0.00
					TOTAL	2726163.17
		Seigniorage Fees @10% of Basic Amount			Say	272616.32

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**अधीक्षण अभियंता का कार्यालय,  
ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा।**

पत्रांक 483/अनु 0

प्रेषक,

ई० खलीकुज्जमा,  
अधीक्षण अभियंता,

सेवा में,

नोडल पदाधिकारी,  
F.D.R, कोषांग,  
ग्रामीण कार्य विभाग,  
बिहार, पटना।

मधेपुरा, दिनांक 20/04/2022

विषय :

ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज के अन्तर्गत शीर्ष FDR (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथांशों का अस्थाई पुनर्स्थापन कार्य का प्राक्कलन के प्रशासनिक अनुमोदन प्रदान करने के संबंध में।

प्रसंग :

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज का पत्रांक 722 अनु०, दिनांक 12.04.2022 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक-मु०अ०-4(मु०)विविध(कार्य)23-291/2019-4849 पटना, दिनांक 07.12.2021

महाशय,

उपर्युक्त विषयक प्रसांगिक पत्र द्वारा प्राप्त कार्य प्रमंडल, उदाकिशुनगंज अन्तर्गत शीर्ष FDR (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथांशों का अस्थाई पुनर्स्थापन कार्य का डी०पी०आर० एक-एक प्रति में तकनीकी स्वीकृति प्रदान कर प्रशासनिक अनुमोदन हेतु समर्पित की जाती है। जिसकी विवरणी निम्नवत है।

क्र०	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
1.	Alamnagar	L025-T-05 SONAMUKHI to MURAUT (VR12)	0.050	20.23962
2.	Alamnagar	L034-T-05 CHUBATUA GANGAPUR TO HARJORAGHT (VR20)	0.097	28.17067
3.	Alamnagar	L035-T-05 BHARSO TOLA TO KACHAHARI TOLA (VR21)	0.210	17.67956
4.	Alamnagar	Construction of road from Alamnagar SonaMukhi kakpsila with five years maintainance with 2 no. H.L bridge.	0.300	34.63060
5.	Alamnagar	Construction of road from Alamnagar fullaut road with five year maintenance with 2 nos. of H.L bridges.	0.072	6.02269
6.	Bihariganj	S01school Ke Nikat Se to Vairaw Patti	0.087	7.01604

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क्र०	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
7.	Chausa	Construction of road from Dhaneshpur to morsanda with five years maintenance.	0.082	5.27416
8.	Chausa	Adhik Mandal Parbatta Bsabitti Ke Nikat To Sripurbasa PCC via Parbatta	0.146	5.74302
9.	Chausa	Khoparia Tola Lowalagan To baba bishuraut Sthan	0.045	6.24997
10.	Chausa	L036-T01 TO SHABA TOLA (VR11)	0.733	20.33275
11.	Gwalpara	Resna PMGSY Path To Kamalpur	0.136	7.15886
12.	Gwalpara	Baliya Basa REO Road To Amauja	0.060	11.57017
13.	Gwalpara	L036-Gwalpara to biswari (VR7)	0.181	9.01073
14.	Chausa	Construction of H.L Bridge Over Bariyari Dhar Sapni Fulaut Pandahi Path.	0.075	7.41311
15.	Puraini	Durga PMGSY Path Paina via Durgapur Goth Chhoti Badhona	0.142	20.25279
16.	Puraini	Kherho paschim Tola PMGSY Path To Dhaneshpur Via Goth Kherho	0.020	2.94972
17.	Udakishanganj	Construction of road from Kishanganj to Biriranpal with five years maintenance	0.110	8.49447
18.	Udakishanganj	L044-T04NH106UDA TO TINTANGA (VR31)	0.024	5.66868
19.	Udakishanganj	NH106 hareli to ramesh yadav ke ghar hotehu wevidyanand jha ke ghar ke aage Rampur khorha PWD road tak	0.099	5.06052
20.	Udakishanganj	Laxmipur - Majaura	0.483	11.09571

अनु०:-प्राक्कलन एक-एक प्रति में।

विश्वासभाजन,

*[Signature]*  
20/04/22

अधीक्षण अभियंता,  
ग्रामीण कार्य विभाग, कार्य अंचल,  
मधेपुरा।