



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.

YEAR (2021-22)

STATE  
DISTRICT  
BLOCK  
DIVISION

BIHAR  
MADHEPURA  
CHAUSA  
UDAKISHANGANJ

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF  
ROAD FROM ADHIK MANDAL PARWATTA WASA BITTI  
KE NIKAT SE SRIPUR WASA PCC VIA PARWATTA**

Actual Length of Road	=	1.370 Km
Flood affected Length of Road	=	0.146 Km
TOTAL COST OF PAVEMENT	Rs	5,74,302.58
TOTAL PROJECT COST	Rs	5,74,302.58

Submitted By:  
Executive Engineer  
RWD (W) Division, Udakishanganj

Prepared By:  
Executive Engineer  
RWD (W) Division, Udakishanganj

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY  
RESTORATION OF ROAD FROM ADHIK  
MANDAL PARWATTA WASA BITTI KE

DIVISION :- UDAKISHANGANJ

BLOCK :- CHAUSA

Actual Length of Road :- 1.370 Km

Flood Affected Length of Road :- 0.146 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	4,85,188.17
2	Add:-Labour Cess @1% amt. =	4,851.88
3	Add:GST@12% on amt. =	58,222.58
4	Add:S.F.@ 10% on Material (Brick Bats) =	26,039.94
TOTAL RESTORATION COST OF THE PROJECT IN LACS		5,74,302.58



Junior Engineer  
RWD (W) Division, UdaKishanganj



Assistant Engineer  
RWD (W) Division, UdaKishanganj



Executive Engineer  
RWD (W) Division, UdaKishanganj

T.S no -

Date - 20/4/22

पत्रांक मु.आ-4(मु.) विविध (कार्य) 23-291/2019 -  
4849 दिनांक 7/12/2021

Technically sanctioned for Rs 574302.00  
(Rs five lacs seventy four thousand three -  
hundred two) only)

Wdha  
20/04/2022

Estimating Officer  
Rural Work Department  
Work Circle, Madhepura

11/20/04/22

Superintending Engineer  
Rural Works Department  
Works Circle, Madhepura



## प्रतिवेदन


पथ का नाम :- आधिक मंडल परवत्रावासा विही के निकट से श्रीपुरवासा  
पौडसीट सीट नामा परवत्रा

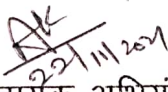
प्रखंड :- चोखा

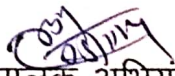
जिला :- मधेपुरा

पथ की कुल लंबाई :- 1.370 किमी

प्रस्तुत प्राकलन मो०-574302 लाख का वर्ष 2021 में आयी बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों को मानक अवस्था में लाने हेतु विभागीय पत्रांक-मु०अ०-4(मु०) विविध (कार्य)-23-291/2019 4275 पटना, दिनांक-22.10.2021 एवं पत्रांक- मु०अ०-4(मु०) विविध (कार्य) 23-291/2019 4589 पटना, दिनांक-13.11.2021 के द्वारा दिये गये निर्देश का अनुपालन कर ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज के अधीन स्वीकृत प्राकलन के दर पर तैयार की गई है।

  
कनीय अभियंता,  
ग्रामीण कार्य विभाग,

  
सहायक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य अवर प्रमंडल,

  
कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, उदाकिशुनगंज।

## Inspection Report for Flood Damage work

Date:-

1 Name of PIUS :- BR. Ram Ratan Ram LEE ROAD WORKS DIV: UDAKISHUNAND

2 Name of Block :- CHAUSA.

3 Name of Road :- ADHIK MANDAL PARWATTA WASHA BITTI KE NIKET SE  
SRIPUR WASHA PCH V/A PARWATTA.

### A. For Road

1 Damage Location/Chainage :- 30mt, 270mt, 330mt, 740mt.

2 Damage Length :- 0.146KM. ✓

3 Nature of damage :- FLAK, CRACK.

4 Details of Restoration Works :-

i Material being used in Restoration works:- BRICK BATS.

ii Equipments/Tools being used in Restoration works :- JCB, Tractor, Roller.

iii Procedure taken up in Restoration works :- YES.

iv Restored Length :- 0.146KM.

### B. For Bridge — N/A

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 :-

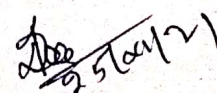
iii Procedure taken up in Restoration works :-

iv Restored Length :-

  
JE

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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 (भा0प्र0से0)  
सचिव

सेवा में,

सभी कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,

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

महाशय,

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



## Schedule of Quantity

NAME OF ROAD :- FROM ADHIK MANDAL PARWATTA WASA BITTI KE NIKAT SE  
SRIPUR WASA PCC VIA PARWATTA

BLOCK :-

CHAUSA

S.No	SOR NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
		<b>OF ITEMS</b>				
1	12.3	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.	0.00	Cum	582.71	0.00
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.	252.33	Cum	1922.87	485188.17
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	0.00	m	45.86	0.00
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	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	0.00	m	5.31	0.00
6		Supply of Bamboo at site.	0.00	nos.	188.39	0.00
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	0.00	nos.	37.05	0.00
8	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	3128.33	0.00
9	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4046.57	0.00
		Total			Rs.	485188.17

  
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## Details of Measurement

कार्य का ब्योरा Deatail of Workl		संख्या No.	Measurement			मात्रा Quantity
			लम्बाई in m.	चोड़ाई In m.	In m.	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM ADHIK MANDAL PARWATTA WASA BITTI KE NIKAT SE SRIPUR WASA PCC VIA PARWATTA				
Item No. 1	Sand Filling in ditch & breach portion of road as per Drawing & Technical Specification.					
		0	1	2.5	1.25	0.000
		Total (in Cum)				0.000
Item No. 2 :	Laying Brick Bat....					
CH:-in 30mt.		1	45	2.90	0.85	110.925
CH:-in 270mt.		1	42	2.25	0.60	56.700
CH:-in 330mt.		1	20	2.25	0.75	33.750
CH:-in 330mt.		1	8.5	1.00	0.70	5.950
CH:-in 740mt.		1	30	2.00	0.75	45.000
			145.5			252.325
Less For Pipe		0	22/7x(0.6)2x2.5 (-)		0.000	
		Total (in Cum)				252.325
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					
		1	0		7	0.000
		1	0		7	0.000
For Bamboo pilling 1.25m		Total (in m)				0.000
Item No. 4	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					
Size 6m*2m, Ch.----- km		1	0	2		0.00
For Chachary 01 no. Bamboo=1.413 sqm		1	0	2		0.00
		Total (in sqm)				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					
		1	0			0.00
		1	0			0.00
		Total (in m)				0.00
Item No. 6	Supply of Bamboo at site.					
		Total (in m)				0.00
		Total (in nos.)				0.00
						0.00
Item No. 7	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					
		1	0	0.75	1.5	0.00
		1	0	0.75	1.25	0.00
		1	0	0.75	1.5	0.00
		Total (in Cum)				0.00
0.034m3=1 nos.						0.00
		Total (in nos.)				0.00
Item No. 8	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	1	1	1.000	0.00
		Total (Cum)				0.00
Item No. 9	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).					

22/11/24  
JB

22/11/24



				Ch.0.00km	0	3	2.5		0.00
								Total (in m)	0.00

## Calculation of Seigniorage Fees

NAME OF ROAD :- **PARWATTA WASA BITTI KE NIKAT SE SRIPUR WASA PCC VIA PARWATTA**  
 BLOCK :- **CHAUSA**

S.No	SOR NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.				
		Sand	0.00	Cum	141.85	0.00
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	252.33	Cum	1032.00	260399.40
3/7	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				
		Sand	0.00	Cum	141.85	0.00
4/9	5.7.40.2	Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I				
		Sand	0.00	Cum	141.85	0.00
5/10	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	180.00	Cum	516.42	92955.60
		53 mm to 9.5mm @ 50 percent	72.00	Cum	411.33	29615.76
		9.5 mm to 2.36 mm @ 20 percent	108.00	Cum	185.94	20081.52
		2.36 mm below @ 30 percent (coarse Sand Screening)				142652.88
		Cost for 300 cum = a		Cum		475.51
		Rate psr Cum = (a)/300	0.00	Cum	475.51	0.00
						0.00
		GSB Gr-I			TOTAL	260399.40
					Say	26039.94
		Seigniorage Fees @10% of Basic Amount				

*[Signature]*  
JE

*[Signature]*  
22/11/2024  
AE

*[Signature]*  
EE



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

प्रेषक,

पत्रांक 483/अनु 0

सेवा में,

ई0 खलीकुज्जमा,  
अधीक्षण अभियंता,

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 अनु0, दिनांक 12.04.2022 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक-मु0अ0-4(मु0)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 डी0पी0आर0 एक-एक प्रति में तकनीकी स्वीकृति प्रदान कर प्रशासनिक अनुमोदन हेतु समर्पित की जाती है। जिसकी विवरणी निम्नवत है।

क्र0	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

P.T.O.

*(Signature)*



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 hotihu 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,

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