



# 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 DHANESHPUR TO MORSANDA

Actual Length of Road	=	4.050 Km
Flood affected Length of Road	=	0.082 Km
TOTAL COST OF PAVEMENT	Rs	5,27,416.09
TOTAL PROJECT COST	Rs	5,27,416.09

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 TEMPORARY  
RESTORATION OF ROAD FROM  
DHANESHPUR TO MORSANDA

DIVISION :- UDAKISHANGANJ

BLOCK :- CHAUSA

Actual Length of Road :- 4.050 Km

Flood Affected Length of Road :- 0.082 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	4,45,577.05
2	Add:-Labour Cess @1% amt. =	4,455.77
3	Add:GST@12% on amt. =	53,469.25
4	Add:S.F.@ 10% on Material (Brick Bats) =	23,914.02
TOTAL RESTORATION COST OF THE PROJECT IN LACS		5,27,416.09

  
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. अ. - 4 (क) निविदा (कार) 23 - 29/2019 -  
4849 दिनांक 7/12/2021

Technically sanctioned for Rs 5,27,416.00  
(Rs five lacs twenty seven thousand four -  
hundred sixteen) only.

W.S. 20/04/2022

**Estimating Officer**

Rural Work Department  
Work Circle, Madhepura

20/04/22

**Superintending Engineer**

Rural Works Department  
Works Circle, Madhepura



## प्रतिवेदन

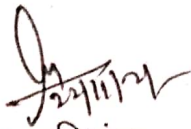
पथ का नाम :- धनैशपुर से मोरसण्डा.

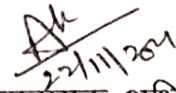
प्रखंड :- पोसा


जिला :- मथपुरा

पथ की कुल लंबाई :- 4.050 कि०मी०

प्रस्तुत प्राकलन मो०-5.274..... 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 :-

ER. RAM RATAN RAM - LEE RWD WORKS DIV. UDAKISHUNGANTJ.

2 Name of Block :-

CHAUSA.

3 Name of Road :-

DHANESHPUR TO MORSANDA.

## A. For Road

1 Damage Location/Chainage :- 1400.0mt, 2320mt, 2790mt.

2 Damage Length :- 0.082 km. ✓

3 Nature of damage :- Flank, crust, shoulders.

4 Details of Restoration Works :- Brick bats.

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 :-

iv Restored Length :- 0.082 km.

## 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 :-

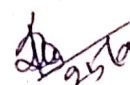
iii Procedure taken up in Restoration works :-

iv Restored Length :-

  
JE

  
AE

  
EE

  
Signature  
(Name of inspector)

## Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD  
FROM DHANESHPUR TO MORSANDA

BLOCK :-

CHAUSA

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
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.	231.73	Cum	1922.87	445577.05
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.	445577.05

*[Signature]*  
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*[Signature]*  
22/11/2021  
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*[Signature]*  
25/11/21  
EE



## Details of Measurement

कार्य का ब्यौरा 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 DHANESHPUR TO MORSANDA				
Item No. 1	Sand Filling in ditch & breach portion of road as per Drawing & Technical Specification.					
		0	1	2.5	1.25	0.000
Item No. 2 :	Laying Brick Bat....	Total (in Cum)				0.000
	CH:-in 1400mt.	1	6	2.50	2.00	30.000
	CH:-in 2320mt.	1	51	3.50	0.85	151.725
	CH:-in 2790mt.	1	10	2.50	1.10	27.500
	CH:-in 2790mt.	1	15	1.50	1.00	22.500
			82			231.725
Less For Pipe		0	22/7x(0.6)2x2.5 (-)			0.000
		Total (in Cum)				231.725
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
						0.00
0.034m3=1 nos.		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).					
Ch.0.00km		0	3	2.5		0.00
		Total (in m)				0.00

*[Signature]*

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## Calculation of Seigniorage Fees

NAME OF ROAD :- MORSANDA  
BLOCK :- CHAUSA

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM DHANESHPUR TO

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	231.73	Cum	1032.00	239140.20
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				
		53 mm to 9.5mm @ 50 percent	180.00	Cum	516.42	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 psr Cum = (a)/300		Cum		475.51
			0.00	Cum	475.51	0.00
		GSB Gr-I				0.00
					TOTAL	239140.20
		Seigniorage Fees @10% of Basic Amount			Say	23914.02

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AE

*[Signature]*  
EE



**अधीक्षण अभियंता का कार्यालय,  
ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा।**  
पत्रांक.....483/अनु 0

प्रेषक,

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.

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।