

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

पत्रांक 623/2020

प्रेषक,

ई० खलीकुज्जमा,  
अधीक्षण अभियंता,

सेवा में,

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

विषय :

मधेपुरा, दिनांक 21.05.22

ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा 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, मधेपुरा का पत्रांक 172/.... अनु०, दिनांक 19.5.22 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, मधेपुरा 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.	Singheshwar	NH 106 Nariyal Vikash Board To Sukhasan	0.04	1.63597
2.	Singheshwar	Budhawe To Latrahi	0.269	7.93050
3.	Singheshwar	Singheshwar Birali Belari Road	1.662	34.42555
4.	Singheshwar	Barhari NH 106 Se Babhani Path Mahuli	0.858	15.23901
5.	Gamhariya	Jagir To Singhiyan	0.033	13.02978
6.	Kumarkhand	Kumarkhand To jaduapatti	0.258	9.27227
7.	Kumarkhand	Kumarkhand To Ramganj	0.354	23.03287
8.	Kumarkhand	Kumarkhand Rauta Tengraha	0.077	1.54242
9.	Kumarkhand	NH 106 To Rauta Bridge Via Berali Ranipatti	0.180	5.16275
10.	Kumarkhand	Tikuliya hat To Laxmipur Bhagwati Vishwa Bank Path	0.315	5.29505
11.	Kumarkhand	Kumarkhand Israinkala Jorawarganj	0.501	11.30913

P.T.O.

क्र०	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
12.	Kumarkhand	Ratanpatti Sadak Korlahi To Kewatgama Chowk	0.231	3.00461
13.	Kumarkhand	Madhuban to Gopipur	0.173	2.08435
14.	Kumarkhand	PMGSY Sadak Kankar To Semarahi	0.421	6.75308
15.	Murliganj	Murliganj NH 107 To Pakilpar (Harpur)	1.016	23.65990
16.	Murliganj	Belo Chamgadh Se Chatra Kantahi	0.910	27.52292
17.	Shankarpur	Sonbarsa To Shankarpur	0.361	4.57169
18.	Kumarkhand	Baisarh To Bhairapur	0.057	0.23201
19.	Kumarkhand	Tikuliya Bhatani Bhokaraha Samarpan School Tengraha Mandir Via Basantpur Durga Mandir PMGSY Road	0.673	14.56602
20.	Murliganj	Middle School Rajani PWD Road To Pratap Nagar	0.030	0.80131

21. Murliganj

Jorgama Panchayat me Sushila Devi  
Ke Ghar se MMGSY Path Hanuman Mandir

0.022

1.92630

अनु०:- प्राक्कलन एक-एक प्रति में।

विश्वासमाजन,

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



# 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  
KUMARKHAND  
MADHEPURA

### DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BESARH-BHAIROPUR

Flood affected Length of Road	=	0.057 Km ✓
TOTAL COST OF PAVEMENT	Rs	23,200.85
TOTAL PROJECT COST	Rs	23,200.85

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

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

# SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF  
ROAD FROM BESARH-BHAIROPUR

NAME OF ROAD :-

DIVISION :- MADHEPURA

BLOCK :- KUMARKHAND

Flood Affected Length of Road :- 0.057 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	19,600.78
2	Add:-Labour Cess @1% amt. =	196.01
3	Add:GST@12% on amt. =	2,352.09
4	Add:S.F.@ 10% on Material (Brick Bats) =	1,051.97
TOTAL RESTORATION COST OF THE PROJECT IN LACS		23,200.85

Say Rs 23,200.85

*Pravind*  
30/10/21

Junior Engineer  
RWD (W) Division, Madhepura

*Prakash*  
30/10/21

Assistant Engineer  
RWD (W) Division, Madhepura

*Sharma*  
30/10/21

Executive Engineer  
RWD (W) Division, Madhepura

T.S No- 45, dated - 20/5/2022  
पत्रांक - मु० अ० - ५ (मु०) विविध (कार्ग) 23-291/2019 4849

दिनांक - 07/12/2021

Technically sanctioned for ₹ 23,201.00/- (i.e. twenty three thousand two hundred one only)

Usha  
20/05/2022

Estimating Officer  
Rural Work Department  
Work Circle, Madhepura

U. V. / 21/05/22

Superintending Engineer  
Rural Works Department  
Works Circle, Madhepura

# Inspection Report for Flood Damage Work

Date:- 13-11-2021

1. Name of PIUs :- Eo. Shailendra Kumar  
2. Name of Block :- kumarkhand  
3. Name of Road :- ~~Be~~ Bezah - Bhadropur

## A. For Road

1. Damage Location/Chainage :-  
2. Damage Length :- 0.057 km  
3. Nature of Damage :- 0.057 km ✓  
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 :-

Brick lat, Sand filling, Bamboo  
E. C Bag

## B. For Bridge

1. Damage Location/Chainage :-  
2. Damage Length :-  
3. Nature of Damage :-  
4. Detail of Restoration Works :-  
i. Material being used in Restoration works :-  
ii. Equipments/Tools being used in Restoration work :-  
iii. Procedure taken up in Restoration works :-  
iv. Restored Length :-

JE 13/11/21  
AE 13/11/21  
EE 13/11/21

अभि संतोषनाथ पाण्डेय

13/11/21  
signature

(Name of Inspector)

—:तकनीकी प्रतिवेदन:—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:— 3054 एफ.डी.आर.

पथ का नाम:— बैसाढ़ से भैरोपुर पथ।

पथ की लम्बाई:— 3.150 कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्ष:— प्रधानमंत्री ग्राम सड़क योजना

प्राक्कलित राशि:— रु0 0.23200 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण बैसाढ़ से भैरोपुर पथ में हुए क्षति यथा कटाव/धसान/जलजमाव की आकस्मिक मरम्मत एवं यातायात पुनर्बहाल करने हेतु शीर्ष 3054 एफ.डी.आर. मद से सचिव, ग्रामीण कार्य विभाग/उच्चाधिकारियों के द्वारा दिये गये निर्देश के अनुपालन में तैयार किया गया है।

प्राक्कलन अन्तर्गत पथ में हुए क्षति की विस्तृत मापी दर्शायी गई है एवं प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है।

*Birendra*  
30/11/21

कनीय अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रशाखा, कुमारखण्ड

*Birendra*  
30/11/21

सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अवर प्रमण्डल, कुमारखण्ड

*Birendra*  
30/11/21

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमण्डल, मधेपुरा।



## Calculation of Seigniorage Fees

NAME OF ROAD :-

DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM BESARH-BHAIRAPUR

BLOCK :- KUMARKHAND

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				
		E/W	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	10.19	Cum	1032.00	10519.69
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
4/8	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 0.07m3; 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)				
		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	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
						142652.88
		Cost for 300 cum = a		Cum		475.51
		Rate per Cum = (a)/300	0.00	Cum	475.51	0.00
						0.00
		GSB Gr-I			TOTAL	10519.69
					Say	1051.97
		Seigniorage Fees @10% of Basic Amount				

*Boind*  
JE 30/11/21

*Boind*  
30/11/21  
AE

*Boind*  
30/11/21  
EE



## Details of Measurement

कार्य का ब्योरा Deatall of Work		संख्या No.	Measurement			मात्रा Quantity
			लम्बाई in m.	चोड़ाई In m.	In m.	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BESARH-BHAIROPUR				
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technlcal Specification					
Ch:-in		1	0	3.5	0.400	0.000
			Total (in Cum)			0.000
Item No. 2 : Laying Brick	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.					
Ch:-in		1	9.00	0.60	0.150	0.810
		1	5.00	0.40	0.150	0.300
		1	2.50	0.40	0.100	0.100
		1	3.00	0.60	0.150	0.270
		1	2.50	0.40	0.150	0.150
		1	3.10	1.80	0.300	1.674
		1	4.20	1.80	0.300	2.268
		1	10.00	0.90	0.100	0.900
		1	4.00	1.00	0.150	0.600
		1	2.00	0.90	0.100	0.180
		1	2.80	2.20	0.300	1.848
		1	1.50	1.10	0.100	0.165
		1	1.10	1.20	0.100	0.132
		1	3.10	1.30	0.150	0.605
		1	3.20	0.60	0.100	0.192
			57.00			10.194
			Total (in Cum)			10.194
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		3	0.00		2.85	0.000
			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-2nd km		0	0	0.9		0.00
For Chachary 01 no.(6m) Bamboo=1.413 sqm		0	0	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		3	0.00			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 local 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					
CH:-in	1	0.00	0.500	0.750		0.00
	Total (in cum)					0.00
	(0.034m <sup>3</sup> =1 no. of EC Bags)					0.00
	Total (in nos.)					0.00
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 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)					
	1	0	0	0		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. 10	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).					
Ch:-	1	0	2.5			0.00
	Total (in m)					0.00

*Revised*  
 20/11/24  
 J.E

## Schedule of Quantity

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD  
FROM BESARH-BHAIROPUR

BLOCK :-

KUMARKHAND

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	0.00	Cum	582.71	0.00
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.	10.19	Cum	1922.87	19600.78
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 local 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		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 0.07m3. 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	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	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	0.00
		Total			Rs.	19600.78

*Prasad*  
3-11-21  
JE

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3-11-21  
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3-11-21  
EE