

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

पत्रांक..623...../22

प्रेषक,

ई0 खलीकुज्जमा,  
अधीक्षण अभियंता,

सेवा में,

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

मधेपुरा, दिनांक 21.05.22

**विषय :** 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/.... अनु0, दिनांक 19/5/22 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, मधेपुरा 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.	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 Chamgadth 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 Surkhile Devi 0.022 1.92630  
Ke Ghar se MMGSY Path Hanuman Mandir विश्वासभाजन,

अनु०:- प्राक्कलन एक-एक प्रति में।

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  
Sigheshwar  
Madhepura

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF  
ROAD FROM Barhari NH106 se Bbhani  
Path Mahuli.**

Actual Length of Road	=	7.800 Km
Flood affected Length of Road	=	0.858 Km
TOTAL COST OF PAVEMENT	Rs	15,23,900.76
TOTAL PROJECT COST	Rs	15,23,900.76

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

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



## Inspection Report for Flood Damage work

Date:-

- 1 Name of PIUS :- madhepura.  
2 Name of Block :- Singheshwar  
3 Name of Road :- Temporary Restoration of Road from Barhara NH106 Se  
Asabhani path mahuli

### A. For Road

- 1 Damage Location/Chainage :- 0 to 2500, 2500 to 3500, 3800 to 5000, 5400 to 6000, 6800 to 7400  
2 Damage Length :- 0.858 km  
3 Nature of damage :- heavy rain fall.  
4 Details of Restoration Works :-  
i Material being used in Restoration works:- Bitume Pats, etc.,  
ii Equipments/Tools being used in Restoration works :- Grader, J.C.B. etc.  
iii Procedure taken up in Restoration works :-  
iv Restored Length :- 0.858 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 :-

Asad  
6/11/2021  
JE

Singh  
01/11/2021  
AE

10/11/21  
EE

DM  
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:— **Badhari NH106 to Babhani path mahuli.**

पथ की लम्बाई:—7.800 कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्ष:—3054 एम.आर

प्राक्कलित राशि:— रू0 15.239 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण **Badhari NH106 to Babhani path mahuli.** पथ में हुए क्षति यथा कटाव/धसान/जलजमाव की आकस्मिक मरम्मत एवं यातायात पूनर्बहाल 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।

*Asst. Secy*  
कनीय अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रशाखा, सिधेश्वर

*Prin. Secy*  
सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अवर प्रमण्डल, सिधेश्वर

*Secy*  
कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमण्डल, मधेपुरा।

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

### DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM "MGS"

NAME OF ROAD :- **RWD Barhari NH106 se Bbhani Path Mahuli.**

DIVISION :- **Madhepura**

BLOCK :- **Sigheshwar**

Actual Length of Road :- **7.800 Km**

Flood Affected Length of Road :- **0.858 Km**

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	12,87,437.42
2	Add:-Labour Cess @1% amt. =	12,874.37
3	Add:GST@12% on amt. =	1,54,492.49
4	Add:S.F.@ 10% on Material (Brick Bats) =	69,096.48
TOTAL RESTORATION COST OF THE PROJECT IN LACS		15,23,900.76

Say ₹ 15,23,901.00 ✓

*Adarsh*  
01/11/2021

Junior Engineer  
RWD (W) Division, Madhepura

*B. Singh*  
01/11/2021

Assistant Engineer  
RWD (W) Division, Madhepura

*[Signature]*  
01/11/2021

Executive Engineer  
RWD (W) Division, Madhepura



TS no :- 21 dated 20/05/2022

फाईल - मु० अ० - ५ (मु०) विविध (कार्य) 23-291/2019-4849  
दिनांक - 07/12/2021

Technically sanctioned for ₹ 15,23,901.00/- (i.e. fifteen lacs  
twenty three thousand nine hundred one only).

Sub  
20/05/2022

**Estimating Officer**  
Rural Work Department  
Work Circle, Madhepura

21/05/22

**Superintending Engineer**  
Rural Works Department  
Works Circle, Madhepura

Sl. No.	Description of Work	Estimated Cost	Actual Cost
1	...	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...
10	...	...	...

## Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM **Barhari**  
NAME OF ROAD :- NH106 se Bbhani Path Mahuli.  
BLOCK :- Sigheshwar

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Construction of embankment with approved material obtained from borrow pits with lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5				
		EW	0.00	Cum	34.81	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	669.54	Cum	1032.00	690964.76
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 0.07m <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)				
		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
		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	690964.76
					Say	69096.48
		Seigniorage Fees @10% of Basic Amount				

JE *Aswadeh*  
01/11/2021

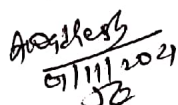
AE *Bhishm*  
01/11/2021

EE *Devi*



## 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 Barhari NH106 se Bbhani Path Mahuli.				
Item No. 1	Construction of embankment with approved material obtained from borrow pits with lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a <u>lead upto 1000 m</u> as per Technical Specification Clause 301.5					
		1	0	2.5	1.25	0.000
			Total (in Cum)			0.000
Item No. 2	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:-0 to 2500		1	7.00	2.00	0.30	4.200
		1	4.00	1.50	0.30	1.800
		2	6.00	2.00	0.30	7.200
		1	5.00	2.00	0.30	3.000
		1	7.00	2.00	0.35	4.900
		1	6.00	2.00	0.30	3.600
		1	3.00	1.50	0.30	1.350
		1	7.00	2.00	0.30	4.200
		1	9.00	2.00	0.30	5.400
		1	10.00	2.00	0.30	6.000
		1	4.00	2.00	0.30	2.400
		2	20.00	2.00	0.25	20.000
		2	3.00	2.00	0.30	3.600
		1	100.00	2.00	0.30	60.000
		1	20.00	2.00	0.35	14.000
		2	4.00	2.00	0.30	4.800
		1	15.00	2.00	0.40	12.000
		4	4.00	2.00	0.30	9.600
CH:-2500 to 3500		1	3.00	2.00	0.30	1.800
		1	7.00	3.00	0.30	6.300
		1	8.00	2.00	0.30	4.800
		1	8.00	2.00	0.33	5.200
		1	7.00	2.00	0.30	4.200
		1	15.00	2.00	0.30	9.000
		1	15.00	2.00	0.30	9.000
		1	20.00	2.00	0.30	12.000
		2	7.00	2.00	0.30	8.400
		2	20.00	2.00	0.28	22.000
		1	5.00	2.00	0.30	3.000
		2	7.00	2.00	0.30	8.400
		1	50.00	2.00	0.45	45.000

  
 07/11/2024  
 JB

  
 11/11

	1	30.00	2.00	0.30	18.000
	1	10.00	2.00	0.30	6.000
	1	30.00	2.00	0.30	18.000
	2	40.00	2.00	0.35	56.000
	1	1.00	2.00	0.30	0.600
	1	5.00	2.00	0.30	3.000
	1	30.00	4.00	0.25	30.000
	1	5.00	2.00	0.75	7.500
	1	5.00	2.00	0.30	3.000
	1	15.00	2.00	0.30	9.000
	1	10.00	2.00	0.30	6.000
	1	100.00	2.00	0.35	70.000
	4	2.00	2.00	0.30	4.800
	1	30.00	2.00	0.30	18.000
	2	10.00	2.00	0.30	12.000
	1	4.00	2.00	0.30	2.400
	1	1.50	1.27	0.30	0.572
	1	4.00	1.50	0.30	1.800
CH:-3800 to 5000	1	2.00	2.00	0.35	1.400
	1	2.50	1.50	0.30	1.125
	2	4.00	1.50	0.29	3.468
	2	6.00	2.00	0.30	7.200
	1	5.00	2.00	0.40	4.000
	3	3.00	2.00	0.30	5.400
	1	2.00	4.00	0.30	2.400
	2	2.00	1.00	0.30	1.200
	3	3.00	2.00	0.30	5.400
	4	2.00	2.00	0.30	4.800
	1	4.00	2.00	0.30	2.400
	1	10.00	1.75	0.30	5.250
CH:-5400 to 6000	1	2.00	1.65	0.25	0.825
	1	5.00	2.00	0.30	3.000
	2	3.00	2.00	0.25	3.000
	1	3.00	2.00	0.25	1.500
CH:-6800 to 7400	1	4.00	2.00	0.30	2.400
	1	10.00	1.75	0.30	5.250
	1	7.00	2.00	0.30	4.200
	1	7.00	2.00	0.30	4.200
	1	25.00	2.00	0.45	22.500
	1	8.00	2.00	0.30	4.800
		858			669.540
		22/7x(0.6)2x2.5 (-)			0.000
Less For Pipe	0	Total (in Cum)			669.540
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				

Approved  
01/11/2021  
J2

Dr. Singh  
01/11/21  
A-E

12/11/21



	CH:-in 1stkm.	2	0			
	CH:-in 1stkm.	1	0		2.75	0.000
	CH:-in 1stkm.	1	0		2.75	0.000
	CH:-in 1stkm.	1	0		2.75	0.000
	CH:-in 1stkm.	1	0		2.75	0.000
	CH:-in 1stkm.	1	0		2.75	0.000
	For Bamboo pilling 1.25m				2.75	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	1	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 1st km.	6	0			0.00
	CH:-in 1st km.	3	0			0.00
	CH:-in 1st km.	3	0			0.00
	CH:-in 1st km.	2	0			0.00
	CH:-in 1st km.	3	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					
	CH:-in 1st km.	2	0	1	1.2	0.00
	CH:-in 1st km.	2	0	0.8	1.25	0.00
	CH:-in 1st km.	2	0	1.5	1	0.00
				Total (in cum)		0.00
	(0.034m3=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 0.07m3. 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)					
		2	0	1.2	0.9	0.00
		1	0	3	0.9	0.00
		1	0	3.5	1.25	0.00
						0.00
						0.00
	(0.07m3=1 no. of Geo Bags)					0.00
				Total (in nos.)		0.00

Acg Bed  
01/11/2021  
32

Brugh  
01/11/2021  
A-E

1/11/21

## Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM . NGP. ROAD Barhari NH106 se Bbhani Path Mahuli. BLOCK :- Sigheshwar

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Construction of embankment with approved material obtained from borrow pits with lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5	0.00	Cum	182.79	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.	669.54	Cum	1922.87	1287437.42
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		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	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.	1287437.42

Approved  
JE 21/11/2021

Drish  
AE 21/11/2021

EE 11/11/21