

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

पत्रांक..623...../23

प्रेषक,

ई० 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/.... 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 Bhairampur	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 PMGSY Path Hanuman Mandir 0.022 1.92630 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  
SHANKARPUR  
MADHEPURA

### DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM SONBARSA TO SHANKARPUR

Actual Length of Road	=	6.370 Km
Flood affected Length of Road	=	0.361 Km
TOTAL COST OF PAVEMENT	Rs	4,57,168.58
TOTAL PROJECT COST	Rs	4,57,168.58

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

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

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF  
ROAD FROM SONBARSA TO SHANKARPUR

NAME OF ROAD :-

DIVISION :- MADHEPURA

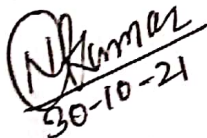
BLOCK :- SHANKARPUR

Actual Length of Road :- 6.370 Km

Flood Affected Length of Road :- 0.361 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	3,96,595.53
2	Add:-Labour Cess @1% amt. =	3,965.96
3	Add:GST@12% on amt. =	47,591.46
4	Add:S.F.@ 10% on Material =	9,015.63
TOTAL RESTORATION COST OF THE PROJECT IN LACS		4,57,168.58

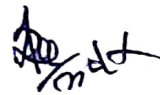
Say ₹ 4,57,169.00/-

  
30-10-21

Junior Engineer  
RWD (W) Division, Madhepura

  
30/10/21

Assistant Engineer  
RWD (W) Division, Madhepura

  
mdt

Executive Engineer  
RWD (W) Division, Madhepura

T.S No - 42

dated - 20/5/2022

फॉर्म - ग्रां. आ - ५ (ग्रां) विविध (कार्य) 23-291/2019-4849

दिनांक - 07/12/2021

Technically Sanctioned for ₹ 4,57,169.00/- (i.e. Four lacs  
fifty seven thousand one hundred sixty nine only)

✓  
20/05/2022

Estimating Officer  
Rural Work Department  
Work Circle, Madhepura

✓  
21/05/22

Superintending Engineer  
Rural Works Department  
Works Circle, Madhepura



# Inspection Report for Flood Damage Work

Date:- 13/11/21

1. Name of PIUs :- ~~13-11-2021~~ Er Shailendra Kumar  
2. Name of Block :- Shankarpur  
3. Name of Road :- Construction of Road from Sonbarsa to Shankarpur

## A. For Road

1. Damage Location/Chainage :- 0.580 km to ~~0.590 km~~ 0.630 km, 3.57 km to 3.68, 4.30 to 4.405 km, 4.80 to 5.20 km  
2. Damage Length :- 0.36 km  
3. Nature of Damage :- Road cutting  
4. Details of Restoration Works :-  
i. Material being used in Restoration works :-  
ii. Equipments/Tools being used in Restoration works :- G. S. B Graveling II material  
iii. Procedure taken up in Restoration works :-  
iv. Restored Length :-

## 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  
AE  
EE

signature  
13/11/21

(Name of Inspector)



—:तकनीकी प्रतिवेदन:—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:— 3054 एफ.डी.आर.

पथ का नाम:— सोनवर्षा से शंकरपुर पथ।

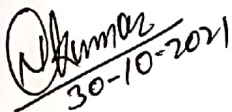
पथ की लम्बाई:— 6.370 कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्ष:— राज्य योजना

प्राक्कलित राशि:— रू0 4.57168 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण सोनवर्षा से शंकरपुर पथ में हुए क्षति यथा कटाव/धसान/जलजमाव की आकस्मिक मरम्मति 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।

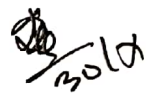
प्राक्कलन अन्तर्गत पथ में हुए क्षति की विस्तृत मापी दर्शायी गई है एवं प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है।

  
30-10-2021

कनीय अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रशाखा, शंकरपुर

  
30/10/21

सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अवर प्रमण्डल, शंकरपुर

  
30/10/21

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमण्डल, मधेपुरा।

## Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM SONBARSA TO  
SHANKARPUR  
BLOCK :- SHANKARPUR

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 a 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				
		E/W	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	0.00	Cum	1032.00	0.00
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	189.60	Cum	475.51	90156.32
						90156.32
		GSB Gr-II			TOTAL	90156.32
					Say	9015.63
		Seigniorage Fees @10% of Basic Amount				

*AKumar*  
30-10-21  
JE

*Brish*  
30/10/21  
AE

*30/10*  
EE



## Details of Measurement

DESCRIPTION					No.	Measurement			QTY.	
						LENGTH	WIDTH	HEIGHT		
NAME OF ROAD :-					DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM SONBARSA TO SHANKARPUR					
Item No. 1	Construction of embankment with approved material obtained from borrow pits with a 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									
Ch:-in					1	0	0.000	0.000	0.000	
							Total (In Cum)		0.000	
Item No. 2 : Laying Brick	Providing and laying of Brick bat obtained from chlmney with machenical means with all spreading, grading to required slope and compacted at OMC to achelve required density with all complete as per the direction of engineer in charge.									
Ch:-in					1	0	4.533	0.300	0.000	
							0.00 Total (In Cum)		0.000	
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					1	0.00		2.4	0.000	
					1	0.00		2.1	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,					2	0	2		0.00	
For Chachary 01 no.(6m) Bamboo=1.413 sqm					1	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			0.00	
CH:-in					2	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					1	0.00	0	0.000	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 0.07m <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)					
Ch:-in	1	7.00	3.50	0.150	3.68	
Ch:-in	1	6.00	3.20	0.125	2.40	
Ch:-in	1	2.00	1.50	0.175	0.53	
Ch:-in	1	5.50	3.70	0.150	3.05	
Ch:-in	1	4.80	3.00	0.125	1.80	
Ch:-in	1	6.00	3.50	0.175	3.68	
Ch:-in	1	2.50	1.50	0.150	0.56	
Ch:-in	1	2.00	1.80	0.125	0.45	
Ch:-in	1	5.30	2.50	0.150	1.99	
Ch:-in	1	1.50	2.00	0.175	0.53	
Ch:-in	1	6.20	1.50	0.175	1.63	
Ch:-in	1	2.00	1.60	0.125	0.40	
Ch:-in	1	13.20	4.05	0.200	10.69	
Ch:-in	1	28.30	2.20	0.175	10.90	
Ch:-in	1	9.20	2.50	0.200	4.60	
Ch:-in	1	5.30	4.05	0.175	3.76	
Ch:-in	1	9.50	4.00	0.150	5.70	
Ch:-in	1	3.20	2.30	0.125	0.92	
Ch:-in	1	4.00	3.00	0.175	2.10	
Ch:-in	1	3.00	3.50	0.200	2.10	
Ch:-in	1	5.50	4.05	0.175	3.90	
Ch:-in	1	11.00	3.30	0.175	6.35	
Ch:-in	1	8.00	3.00	0.150	3.60	
Ch:-in	1	4.00	2.50	0.175	1.75	
Ch:-in	1	12.00	3.50	0.175	7.35	
Ch:-in	1	4.00	3.00	0.150	1.80	
Ch:-in	1	2.00	1.50	0.150	0.45	
Ch:-in	1	5.00	3.00	0.150	2.25	
Ch:-in	1	2.50	1.50	0.125	0.47	
Ch:-in	1	3.00	2.00	0.150	0.90	
Ch:-in	1	3.50	1.50	0.125	0.66	
Ch:-in	1	9.50	4.05	0.175	6.73	
Ch:-in	1	3.40	2.50	0.150	1.28	
Ch:-in	1	4.00	2.00	0.175	1.40	
Ch:-in	1	2.50	3.50	0.150	1.31	
Ch:-in	1	6.00	3.75	0.175	3.94	
Ch:-in	1	115.00	4.05	0.150	69.86	
Ch:-in	1	4.50	4.05	0.150	2.73	
Ch:-in	1	14.00	2.50	0.150	5.25	
Ch:-in	1	5.00	2.00	0.150	1.50	
Ch:-in	1	3.50	1.50	0.150	0.79	
Ch:-in	1	6.40	4.05	0.150	3.89	
		360.8	Total (Cum)		189.60	
Item No. 1	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).					
Ch:-	0	2.5			0.00	
			Total (in m)		0.00	



## Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM SONBARSA TO SHANKARPUR BLOCK :- SHANKARPUR

S.No	SOR NO	DESRPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Construction of embankment with approved material obtained from borrow pits with a 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	0.000	Cum	182.79	0.00
2	A/R	Providing and laying of Brick bat obtained from chimney with machenical 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.	0.000	Cum	1922.87	0.00
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	0.000	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	0.000	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	0.000	m	5.31	0.00
6		Supply of Bamboo at site.	0.000	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	0.000	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)	0.000	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.	189.599	Cum	2091.76	396595.53
10	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.000	m	4046.57	0.00
		Total			Rs.	396595.53

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