

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

प्रेषक,

पत्रांक 622 45/ मधेपुरा, दिनांक 21.05.22/

सेवा में,

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

मुख्य अभियंता-2,  
ग्रामीण कार्य विभाग,  
पटना।

**विषय :** ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा के अधीन वर्ष 2021-22 में भारी वर्षा के कारण आयी बाढ़ से क्षतिग्रस्त सड़कों तथा पुलियों का प्रशासनिक स्वीकृति हेतु डी0पी0आर0 समर्पित करने के संबंध में।

**प्रसंग :** कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा का पत्रांक 1675 33- दिनांक 11.05.22 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 के आलोक में कहना है कि ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा के अधीन वर्ष 2021-22 में भारी वर्षा के कारण आयी बाढ़ से क्षतिग्रस्त सड़कों तथा पुलियों का कराये गये कार्य का प्रशासनिक अनुमोदन हेतु माननीय विधायक निरंजन कुमार मेहता, विधान सभा क्षेत्र, बिहारीगंज के पत्रांक 75, 78 दिनांक 26.09.2021 एवं जिला पदाधिकारी, मधेपुरा का ज्ञापांक 2908 दिनांक 09.10.2021 के आलोक में प्रशासनिक अनुमोदन हेतु 13 योजनाओं का डी0पी0आर0 तकनीकी स्वीकृति के उपरान्त इस पत्र के साथ संलग्न कर समर्पित की जाती है, जो निम्न प्रकार है।

क्र0	प्रखंड	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
1.	Murliganj	FDR	Parmanandpur Panchayat Ke Ward No-10 Me PMGSy Road Se Brahmsthan Rahta tola tak.	0.880	22.21221
2.	Murliganj	FDR	Khari Dakshinabri tola MMGSY Road Se Kabir Asram Parmanandpur tak.	0.380	8.99097
3.	Murliganj	FDR	Ratanpatti More Se Manhara PMGSY Nahar.	0.541	11.10203
4.	Murliganj	FDR	Raghunathpur Ward No-06 Me Kameshear Yadav Ke Ghar Se Kailash Yadav Ke Ghar tak.	0.596	17.27885
5.	Murliganj	FDR	Ratanpatti Ward No-02 Mahadalit tola Se S.H.-91 tak.	0.250	14.32069
6.	Murliganj	FDR	Pokhram Me Dularchand Vishwas Ke Ghar Se Bajrangwali Asthan tak.	0.798	20.64189

P.T.O.

H.K.

क्र०	प्रखंड	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
7.	Murliganj	FDR	Ganganpur Panchyat me PMGSY Sadak Se Kali tola tak.	0.397	12.28615
8.	Murliganj	FDR	Parmanandpur Panchayat Ke Ward No-10 Me PMGSY Road Se Ganesh Gupta Ghar tak.	0.053	1.48789
9.	Murliganj	FDR	Dinapatti Panchayat Ke Ward NO-05 Me Sanjay Yadav Ke Ghar Se Boku Yadav Ke Ghar tak.	0.104	2.92421
10.	Murliganj	FDR	Gangapur Panchayat Ke Ward No-11 Ke Upendra Yadav Ke Ghar Se Mahadalit tola tak.	0.244	5.18674
11.	Murliganj	FDR	Raghunathpur Ward No-08 Me Bhumi Das Ke Ghar Se Murho tola tak.	0.910	29.26569
12.	Murliganj	FDR	Raghunathpur Ward No-07 Me PMGSY Road Se Durga Asthan tak.	0.216	15.45514
13.	Murliganj	FDR	Belo Chandadh Se Chatra Kantahi.	0.910	27.52292

अनु०:-प्राक्कलन एक-एक प्रति में।

विश्वासभाजन,

H. 21/05/22

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  
MURLIGANJ  
MADHEPURA

**DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF  
ROAD FROM RAGHUNATHPUR WARD NO-7 ME PMGSY  
ROAD SE DURGA ASTHAN TAK**

Actual Length of Road	=	0.525 Km
Flood affected Length of Road	=	0.216 Km ✓
TOTAL COST OF PAVEMENT	Rs	15,45,513.80
TOTAL PROJECT COST	Rs	15,45,513.80

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 :- Murhiganj  
3 Name of Road :- Rajyathpur ward no-7 Me P.M.C.S.Y Road se Durga sthan tk

### A. For Road

- 1 Damage Location/Chainage :- 0 to 60m, 60 to 105m, 105 to 125m, 125m to 155, 155 to 220, 220 to 525  
2 Damage Length :- 0.216 km ✓  
3 Nature of damage :-  
4 Details of Restoration Works :-  
i Material being used in Restoration works:- Bricks bats, local sand, cement bags, bamboo  
ii Equipments/Tools being used in Restoration works :-  
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 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 :-

A. K. 22/11/24  
JE

Prakash  
01/11/24  
AE

22/11/24  
EE

22/11/24  
Signature  
(Name of inspector)

### —:तकनीकी प्रतिवेदन:—

अंचल का नाम:- मधेपुरा

प्रमण्डल का नाम:- मधेपुरा।

**योजना शीर्ष:- 3054 एफ.डी.आर.**

पथ का नाम:-Ragunathpur ward no 7 me PMGSY Sadak se Durga mandir tak  
पथ की लम्बाई:- 0.525 किमी

पथ की लम्बाई:-0.525 कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्ष:-.....

**प्राक्कलित राशि:- रु० 15.455 लाख**

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याषित अतिवृष्टि एवं बाढ़ के कारण **Ragunathpur ward no 7 me PMGSY Sadak se Durga mandir tak** 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। माननीय विधायक निरंजन कुमार मेहता का पत्रांक-25/710/20/09/24 एवं जिलापदाधिकारी का ज्ञापनंक 2908 दि. 9/10/2024 के अनुसंधान के आलोक में

~~A-lammy~~  
~~01/11/21~~

कनीय अभियंता

ग्रामीण कार्य विभाग

कार्य प्रशाखा मुरलीगंज

Bhishk  
01/11/21

सहायक अभियंता

ग्रामीण कार्य विभाग

कार्य अवर प्रमण्डल, मुरलीगंज

~~11/7/1~~

## कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमण्डल, मधेपुरा ।



# SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF  
ROAD FROM RAGHUNATHPUR WARD NO-7 ME PMGSY  
ROAD SE DURGA ASTHAN TAK

DIVISION :- MADHEPURA

BLOCK :- MURLIGANJ

Actual Length of Road :- 0.525 Km

Flood Affected Length of Road :- 0.216 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	13,09,698.30
2	Add:-Labour Cess @1% amt. =	13,096.98
3	Add:GST@12% on amt. =	1,57,163.80
4	Add:S.F.@ 10% on Material (Brick Bats) =	65,554.72
TOTAL RESTORATION COST OF THE PROJECT IN LACS		15,45,513.80

Say Rs 15,45,514

*A. L. Mani*  
01/11/24

Junior Engineer  
RWD (W) Division, Madhepura

*Prinath*  
01/11/24

Assistant Engineer  
RWD (W) Division, Madhepura

*1/11/24*

Executive Engineer  
RWD (W) Division, Madhepura

T.S Mo - 44

dated - 20/5/2022

पत्रांक - मुं अ-4 (मुं) विविध (कार्य) 23-291/2019. 4849

दि - 07/12/2021

Technically sanctioned for ₹ 15,45,514.00/50 Fifteen  
Lacs forty five thousand five hundred fourteen only.

Wala  
20/05/22

Estimating Officer  
Rural Work Department  
Work Circle, Madhepura

11/2/2022

Superintending Engineer  
Rural Works Department  
Works Circle, Madhepura

1. Name of the work	2. Location	3. Nature of the work	4. Estimated cost

# Details of Measurement

कार्य का ब्यौरा Deatall of Workl		संख्या No.	Measurement			मात्रा Quantity
			लम्बाई in m.	चोड़ाई In m.	In m.	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM RAGHUNATHPUR WARD NO-7 ME PMGSY ROAD SE DURGA ASTHAN TAK				
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification					
Ch:-in		1	30	3.65	0.075	8.213
Ch:-in		1	29	3.65	0.075	7.939
Ch:-in		1	26.85	4.05	0.075	8.156
Ch:-in		1	11.89	2.43	0.075	2.167
Ch:-in		1	12	4.28	0.075	3.834
Total (In Cum)					30.308	
Item No. 2 : Laying Brick	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.					
Ch:-in 0 to 60		1	24.39	3.65	0.250	22.256
		1	26.85	4.05	1.520	165.289
Ch:-in 60 to 105		1	11.89	2.43	0.150	4.334
Ch:-in 105 to 125		1	9.00	2.43	0.175	3.827
Ch:-in 125 to 155		1	12.00	4.30	2.200	113.520
		1	13.00	3.65	2.150	102.018
Ch:-in 155 to 220		1	30.00	2.43	0.250	18.225
		1	12.00	0.60	0.450	3.240
		2	22.00	0.60	0.450	11.880
Ch:-in 220 to 525		1	21.64	3.65	2.100	165.871
		1	3.00	2.43	0.150	1.094
		2	9.00	0.60	0.200	2.160
		1	21.00	4.00	0.150	12.600
			215.77			626.312
Total (In Cum)					626.312	
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	95.00		2.13	202.350
		1	58.00		2.13	123.540
For Bamboo pilling 1.25m			Total (In m)		325.890	
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,		1	21.64	2		43.28
For Chachary 01 no.(6m) Bamboo=1.413 sqm		1	25	2		50.00
			Total (In sqm)		93.28	
			Total (In m)		396.09	
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	25.00			75.00
CH:-in		3	21.64			64.92
			Total (In m)		139.92	
Item No. 6	Supply of Bamboo at site.					
			Total (In m)		861.90	
			Total (In nos.)		143.65	
					144.00	



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	25.00	0.5	1.500			18.75
CH:-in		1	21.00	0.5	1.500			15.75
		Total (in cum)						34.50
(0.034m3=1 no. of EC Bags)								1014.71
		Total (in nos.)						1015.00
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)							
		1	0	0	0			0.00
								0.00
(0.07m3=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. 1	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

A. Kumar  
01/11/24  
dv

Prinsh  
01/11/24  
A-E

## Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD  
FROM RAGHUNATHPUR WARD NO-7 ME PMGSY ROAD SE  
DURGA ASTHAN TAK

BLOCK :-

MURLIGANJ

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	30.31	Cum	582.71	17660.84
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.	626.31	Cum	1922.87	1204317.00
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	325.89	m	45.86	14946.92
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	93.28	sqm	78.20	7294.34
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	139.92	m	5.31	742.55
6		Supply of Bamboo at site.	144.00	nos.	188.39	27127.62
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	1015.00	nos.	37.05	37609.04
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.	1309698.30

*Akshay*  
JE

*Prakash*  
AE

*Devi*  
EE



## Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM RAGHUNATHPUR WARD  
NO-7 ME PMGSY ROAD SE DURGA ASTHAN TAK  
BLOCK :- MURLIGANJ

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	30.31	Cum	141.85	4299.17
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	626.31	Cum	1032.00	646354.22
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	34.50	Cum	141.85	4893.83
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
						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	655547.22
					Say	65554.72
		Seigniorage Fees @10% of Basic Amount				

A. K. Mah  
JE 01/11/24

*[Signature]*  
AE

*[Signature]*  
EE