

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

पत्रांक 622 / मधेपुरा, दिनांक 21.05.22

प्रेषक,

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

सेवा में,

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 / 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.

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,

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 TEMPORARY RESTORATION OF  
ROAD FROM RAGHUNATHPUR WARD NO-08 ME BHUMI  
DAS KE GHAR SE MURHO TOLA TAK**

Actual Length of Road	=	2.200 Km
Flood affected Length of Road	=	0.910 Km
TOTAL COST OF PAVEMENT	Rs	29,26,569.23
TOTAL PROJECT COST	Rs	29,26,569.23

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 :- Raghunathpur Ward no-8 Mc Bhami das Ice Chhar se  
Murho Jala Jale

### A. For Road

- 1 Damage Location/Chainage :- 0+210m, 210+417m, 417+622, 622+1312m, 1312+1749m, 1749+1950  
2 Damage Length :- 0.910 km  
3 Nature of damage :-  
4 Details of Restoration Works :-  
i Material being used in Restoration works:- Bricks bats, ~~100~~ H.P, cement bags  
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. Singh  
JE

B. Singh  
AE

EE

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 8 me Bhumi das ke Ghar se murho tola Tak**


पथ की लम्बाई:—2.200 कि.मी.

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

प्राक्कलित राशि:— रू0 29.265 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण **Ragunathpur ward no 8 me Bhumi das ke Ghar se murho tola 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। **मात्राधिक विद्यार्थी निरंजन कुमार मैहता का पत्रांक-25, दि 26/09/24 एवं जिलापदाधिकारी का पत्रांक 2918 दि 9/10/24 के अनुज्ञेय के आदेश में**

  
01/11/24

कनीय अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रशाखा, मुरलीगंज

  
01/11/24

सहायक अभियंता  
ग्रामीण कार्य विभाग  
कार्य अवर प्रमण्डल मुरलीगंज

  
11/11/24

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमण्डल, मधेपुरा।

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF  
ROAD FROM RAGHUNATHPUR WARD NO-08 ME BHUMI  
DAS KE GHAR SE MURHO TOLA TAK

DIVISION :- MADHEPURA

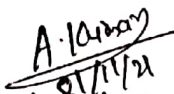
BLOCK :- MURLIGANJ


Actual Length of Road :- 2.200 Km


Flood Affected Length of Road :- 0.910 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	24,76,131.99
2	Add:-Labour Cess @1% amt. =	24,761.32
3	Add:GST@12% on amt. =	2,97,135.84
4	Add:S.F.@ 10% on Material =	1,28,540.09
TOTAL RESTORATION COST OF THE PROJECT IN LACS		29,26,569.23

Say, 29,26,569=00

  
Junior Engineer  
RWD (W) Division, Madhepura

  
Assistant Engineer  
RWD (W) Division, Madhepura

  
Executive Engineer  
RWD (W) Division, Madhepura

T.S No - 43

dated - 20/5/2022

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

दि - 07/12/2021

Technically sanctioned for ₹ 29,26,569 = 00 / i.e Twenty nine Lacs Twenty six thousand Five hundred Sixty nine Rupees only)

W.S.  
20/05/2022

Estimating Officer  
Rural Work Department  
Work Circle, Madhepura

11/21/05/22

Superintending Engineer  
Rural Works Department  
Works Circle, Madhepura



## Details of Measurement

कार्य का ब्योरा Deatail 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-08 ME BHUMI DAS KE GHAR SE MURHO TOLA TAK				
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification					
Ch:-in		1	30	4.00	0.600	72.000
Ch:-in		1	21	3.65	0.600	45.990
						117.990
	Less for Hume pipe	4	22/7x(0.6)2x2.5			11.304
			Total (In Cum)			106.686
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 0 to 210		1	30.00	2.74	0.250	20.550
		2	30.00	2.74	0.300	49.320
		1	30.00	2.74	0.250	20.550
		1	11.00	2.43	0.150	4.010
		1	30.00	2.74	0.150	12.330
Ch:-in 210 to 417		2	30.00	2.74	0.250	41.100
		2	30.00	2.74	0.300	49.320
		1	30.00	3.03	0.300	27.270
		1	30.00	3.03	0.150	13.635
Ch:-in 417 to 622		2	30.00	3.03	0.300	54.540
		1	30.00	2.74	0.300	24.660
		1	10.00	2.43	0.150	3.645
		2	30.00	3.03	0.300	54.540
Ch:-in 622 to 1312		3	30.00	3.03	0.400	109.080
		1	8.00	2.74	0.450	9.864
		2	30.00	3.10	0.450	83.700
		1	22.00	3.03	0.450	29.997
		1	23.78	3.35	0.400	31.865
Ch:-in 1312 to 1749		1	14.32	12.19	0.500	87.280
		1	21.95	2.74	0.300	18.043
		3	30.00	3.03	1.200	327.240
		1	9.00	2.74	0.450	11.097
		1	30.00	3.93	0.450	53.055
Ch:-in 1749 to 1950		1	21.00	3.65	0.500	38.325
		1	30.00	3.65	0.500	54.750
						1229.766
	Less For Pipe	0		22/7x(0.6)2x2.5		0.000
				Total (In Cum)		1229.766
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		2.13	0.000
		1	0.00		2.13	0.000
				Total (In m)		0.000
	For Bamboo pilling 1.25m					
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	0	2		0.00
	For Chachary 01 no.(6m) Bamboo=1.413 sqm	1	0	2		0.00
			Total (In sqm)		0.00	



				<b>Total (In m)</b>	<b>0.00</b>
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
CH:-in	3	0			0.00
				<b>Total (In m)</b>	<b>0.00</b>
Item No. 6	Supply of Bamboo at site.				
				<b>Total (In m)</b>	<b>0.00</b>
				<b>Total (In nos.)</b>	<b>0.00</b>
					<b>0.00</b>
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	2	6.00	0.45	1.500	8.10
				Total (in cum)	8.10
(0.034m3=1 no. of EC Bags)					238.24
				Total (in nos.)	238.00

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## Schedule of Quantity

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD  
NAME OF ROAD :- FROM RAGHUNATHPUR WARD NO-08 ME BHUMI DAS KE  
GHAR SE MURHO TOLA 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	106.69	Cum	582.71	62167.47
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.	1229.77	Cum	1922.87	2364680.15
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	238.00	nos.	37.05	8818.67
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).	10.00	m	4046.57	40465.70
		Total			Rs.	2476131.99

*A. Kumar*  
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## Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM RAGHUNATHPUR WARD  
NO-08 ME BHUMI DAS KE GHAR SE MURHO TOLA 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				
2/2	A/R	Providing & laying Brick Bat....	106.69	Cum	141.85	15133.41
		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	1229.77	Cum	1032.00	1269118.51
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	8.10	Cum	141.85	1148.99
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				142652.88
		Rate psr Cum = (a)/300		Cum		475.51
			0.00	Cum	475.51	0.00
		GSB Gr-I				0.00
					TOTAL	1285400.91
		Seigniorage Fees @10% of Basic Amount			Say	128540.09

A. Kumar  
01/11/24  
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