

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

पत्रांक ~~622~~ 44/ मधेपुरा, दिनांक ~~21.05.22~~ 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~~ 33-
दिनांक ~~11.05.22~~ एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक-
मु0अ0-4(मु0)विधि(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,

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 TEMPORARY RESTORATION OF
ROAD FROM GANGAPUR PANCHAYAT ME PMGSY
SADAK SE KALI TOLA TAK**

Actual Length of Road	=	1.700 Km
Flood affected Length of Road	=	0.397 Km
TOTAL COST OF PAVEMENT	Rs	12,28,615.04
TOTAL PROJECT COST	Rs	12,28,615.04

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 :- Murliganj
3 Name of Road :- Mangapur Panchayat MC PMWSY Sadak Se Kali Jola tk

A. For Road

- 1 Damage Location/Chainage :- 0+91, 91+236, 236+347, 347+419, 419+528, 528+610, 610+700
6.397 km
2 Damage Length :-
3 Nature of damage :-
4 Details of Restoration Works :-
i Material being used in Restoration works:- Bricks, local sand, bamboo, 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. Nayak
01/11/21

JE

Prakash
01/11/21

AE

Ja
11/11

EE

Prakash
11/11/21

Signature
(Name of inspector)

—:तकनीकी प्रतिवेदन:—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:— 3054 एफ.डी.आर.

पथ का नाम:— **Gangapur Panchayat me PMGSY Sadak se Kali tola tak**
पथ की लम्बाई:—1.700 कि.मी.

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


प्राक्कलित राशि:— रू0 12.286 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण **Gangapur Panchayat me PMGSY Sadak se Kali tola tak** 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। माननीय विधायक निरंजन कुमार प्रेक्षा का पत्रांक-28 दि. 26/09/2021 एवं जिला पदाधिकारी का ज्ञापन 2908 दि. 9/10/2021 के अनुश्रुति के आलोक में


01/11/21

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, मुरलीगंज


01/11/21

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल मुरलीगंज


01/11/21

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 GANGAPUR PANCHAYAT ME PMGSY SADAK
SE KALI TOLA TAK

DIVISION :- MADHEPURA

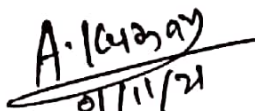
BLOCK :- MURLIGANJ

Actual Length of Road :- 1.700 Km

Flood Affected Length of Road :- 0.397 Km


Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	10,42,227.20
2	Add:-Labour Cess @1% amt. =	10,422.27
3	Add:GST@12% on amt. =	1,25,067.26
4	Add:S.F.@ 10% on Material (Brick Bats) =	50,898.30
TOTAL RESTORATION COST OF THE PROJECT IN LACS		12,28,615.04

Say - 12,28,615/-


A.164297
01/11/21
Junior Engineer

RWD (W) Division, Madhepura


Assistant Engineer
RWD (W) Division, Madhepura


Executive Engineer
RWD (W) Division, Madhepura

T.S No-38 dated -20/5/2022
पत्रांक-मु.अ.०-५ (मु.०) वि.वि.थ (का.वि) 23-291/2019. 4849
दि. 07/12/2021

Technically sanctioned for ₹ 12,28,615=∞/sq
Twelve lach Twenty eight thousand six hundred
Fifteen only.

Wdler
20/05/2022

21/05/22

Estimating Officer
Rural Work Department
Work Circle, Madhepura

Superintending Engineer
Rural Works Department
Works Circle, Madhepura

Details of Measurement

कार्य का ब्यौरा Deatail of Workl		संख्या No.	Measurement			मात्रा Quantity
			लम्बाई in m.	चौड़ाई In m.	In m.	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORRY RESTORATION OF ROAD FROM GANGAPUR PANCHAYAT ME PMGSY SADAK SE KALI TOLA TAK				
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification					
Ch:-in		1	380	2.43	0.075	69.255
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.					69.255
Laying						
Ch:-in 0 to 91		2	30.00	2.74	0.250	41.100
		1	10.00	2.74	0.250	6.850
Ch:-in 91 to 236		1	15.24	2.43	0.250	9.258
		2	30.00	2.95	0.300	53.100
		2	30.00	3.03	0.350	63.630
Ch:-in 236 to 347		1	22.00	3.04	2.300	153.824
		1	3.00	1.50	0.450	2.025
		2	1.50	1.00	0.600	1.800
Ch:-in 347 to 419		1	30.00	2.74	0.450	36.990
		1	5.00	2.74	0.175	2.398
Ch:-in 419 to 528		1	6.00	2.43	0.300	4.374
		1	21.00	2.43	0.250	12.758
Ch:-in 528 to 610		1	3.00	2.43	0.600	4.374
		1	27.00	3.03	0.300	24.543
		1	7.00	1.00	0.450	3.150
		1	19.81	2.43	0.300	14.441
Ch:-in 610 to 1700		1	27.43	2.43	0.350	23.329
		1	12.00	2.43	0.450	13.122
		1	2.50	2.10	0.300	1.575
		1	4.00	2.43	0.450	4.374
						477.015
						Total (in Cum)
						477.015
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	89.00		2.4	213.600
		1	70.00		2.1	147.000
	For Bamboo pilling 1.25m					Total (in m)
						360.600
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	22.00			66.00
CH:-in		2	20			40.00
						Total (in m)
						106.00
Item No. 6	Supply of Bamboo at site.					
						Total (in m)
						466.60
						Total (in nos.)
						77.77
						78.00

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						
CH:-In	1	30.00	0.9	1.500		40.50
	1	20.00	0.4	1.000		8.00
(0.034m3=1 no. of EC Bags)	Total (in cum)					48.50
						1426.47
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)					
	Total (in nos.)					1426.00
	1	0	0	0		0.00
(0.07m3=1 no. of Geo Bags)						0.00
						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. K. Ray
01/11/24
06

Prinsh
01/11/24
A-E

Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD
FROM GANGAPUR PANCHAYAT ME PMGSY SADAK SE KALI
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	69.26	Cum	582.71	40355.89
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.	477.02	Cum	1922.87	917237.84
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	360.60	m	45.86	16538.89
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	106.00	m	5.31	562.54
6		Supply of Bamboo at site.	78.00	nos.	188.39	14694.13
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	1426.00	nos.	37.05	52837.92
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 ³ . 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.	1042227.20

A. Laxman
JE
6/11/21

Brinsh
A-E
AE

De
EE
10/21

Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM GANGAPUR PANCHAYAT
ME PMGSY SADAK SE KALI 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				
22	A/R	Providing & laying Brick Bat...	69.28	Cum	141.85	9823.82
		Providing and laying of Brick bat obtained from chimney with mechanical means with all spreading, grading to required slope and compacted at OMC to achieve required density with all complete as per the direction of engineer in charge.				
		Brick Bats	477.02	Cum	1032.00	492279.49
37	5.7.40.1	Labour filling empty cement bags with local sand, stitching the bags and placing including supply of suti and EC bag etc. all complete as per approved desing, specification and direction of E/I				
		Sand	48.50	Cum	141.85	6879.73
48	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 ³ . 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
59	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 per Cum = (a)/300		Cum		475.51
			0.00	Cum	475.51	0.00
		GSB Gr-I				0.00
					TOTAL	508983.03
		Seigniorage Fees @10% of Basic Amount			Say	50898.30

A. K. Singh
JE 01/11/21

B. Singh
01/11/21
AE

EE