

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

पत्रांक 622/2021

प्रेषक,

ई० खलीकुज्जमा,
अधीक्षण अभियंता,

सेवा में,

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

मधेपुरा, दिनांक 21.05.2021

विषय : ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा के अन्तर्गत शीर्ष FDR (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथों 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 12.1.2021 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक मुअ०-4(मु०)विधि(कार्य)/23-291/2019-4849 पटना, दिनांक 07.12.2021

महोदय,

उपर्युक्त विषयक प्रसांगिक पत्र द्वारा प्राप्त कार्य प्रमंडल, मधेपुरा अन्तर्गत शीर्ष FDR (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथों 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 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 Sushila 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
GAMHRIYA
MADHEPURA

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM JAGIR SE SINGION ROAD

Actual Length of Road	=	2.368 Km
Flood affected Length of Road	=	0.033 Km
TOTAL COST OF PAVEMENT	Rs	13,02,977.59
TOTAL PROJECT COST	Rs	13,02,977.59

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

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

Index of Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF
ROAD FROM JAGIR SE SINGION ROAD

DISTRICT :- MADHEPURA

BLOCK :- GAMHRIYA

Head :- F.D.R.

Year :- 2021-22

Actual Length of Road :- 2.368 Km

Flood Affected Length of Road :- 0.033 Km

TOTAL COST OF PAVEMENT :- ₹ 13,02,977.59

Sr. No.	Description	Page No.
1	Prativedan	
2	MIS Report	
3	Executive Engineer's Report	
4	Summary of Road	
5	Estimate of Road	
6	Carriage of Road	
7	Basic Rate of Labour, Material & Machinery	
8	Analysis of Rate	
9	Photographs of Pre & Post Cuttings /Ditches	

TS no : 22 dated - 20/05/2022

पत्रांक - मु० अ० - ५ (मु०) विविध (अ०) 23-291/2019, 4849
दिनांक : - 17/12/2021

Technically sanctioned for ₹ 13 02 978.00 (i.e. Thirteen
lac two thousand nine hundred seventy eight) only.

Seen
20/05/2022

Estimating Officer
Rural works Department
Work circle Madhepura.

21/05/22

Superintending Engineer
Rural Works Department
Works Circle, Madhepura

Inspection Report for Flood Damage work

Date:-

- 1 Name of PIUS :- Madhepur
2 Name of Block :- Gomkariya
3 Name of Road :- Jagir to Singhiana

For Road

1 Damage Location/Chainage :- 1st km and 2nd km

2 Damage Length :- 0.033 km ✓

3 Nature of damage :- Heavy Rain fall.

4 Details of Restoration Works :-

i Material being used in Restoration works:- local sand, bag, Bamboo, Brice Bat

ii Equipments/Tools being used in Restoration works :- Tractor, JCB,

iii Procedure taken up in Restoration works :-

iv Restored Length :- 0.033 km

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 :-

JE
30-10-21

AE
30/10/2021

EE
30/10/21

Signature
(Name of inspector)
12/11/21

—तकनीकी प्रतिवेदन—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:—3054 एफ.डी.आर.

पथ का नाम:— Jagir to Singhiyan Road

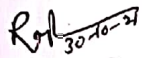
पथ की लम्बाई:—2.368 कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्ष:— प्रधानमंत्री ग्राम सड़क योजना

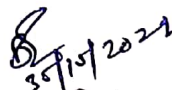
प्राक्कलित राशि:— रू० 13.029 लाख
13.029

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण **Jagir to Singhiyan Road** 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।

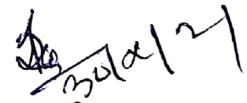
प्राक्कलन अन्तर्गत पथ में हुए क्षति की विस्तृत मापी दर्शायी गई है एवं प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है।


30.10-21

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, गमहरिया


30.10-21

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल, गमहरिया


30.10-21

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 JAGIR SE
SINGION ROAD

DIVISION :- MADHEPURA

BLOCK :- GAMHRIYA

Actual Length of Road :- 2.368 Km

Flood Affected Length of Road :- 0.033 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	11,07,964.45
2	Add:-Labour Cess @1% amt. =	11,079.64
3	Add:GST@12% on amt. =	1,32,955.73
4	Add:S.F.@ 10% on Material (Brick Bats) =	50,977.76
TOTAL RESTORATION COST OF THE PROJECT IN LACS		13,02,977.59

Ry 30/10/2021

Junior Engineer
RWD (W) Division, Madhepura

S 30/10/2021

Assistant Engineer
RWD (W) Division, Madhepura

J 30/10/21

Executive Engineer
RWD (W) Division, Madhepura

Details of Measurement

कार्य का ब्योरा Deatall 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 JAGIR SE SINGION ROAD				
Item No. 1	Sand Filling in ditch & breach portion of road as per Drawing & Technical Specification.					
		0	1	2.5	1.25	0.000
		Total (In Cum)				0.000
Item No. 2	Laying Brick Bat....					
CH:-In 1st km.		1	0.9	1.10	0.48	0.455
CH:-In 1st km.		1	2.28	1.80	0.90	3.694
CH:-In 1st km.		1	5.1	5.20	3.25	88.190
CH:-In 2nd km.		1	1.6	1.25	0.70	1.400
CH:-In 2nd km.		1	7.15	2.20	3.50	55.055
CH:-In 2nd km.		1	3.05	2.25	1.25	8.578
CH:-In 2nd km.		1	13.1	6.15	3.90	314.204
			33.18			469.576
		Total (In Cum)				469.576
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					
		1	13		7	91.000
		1	7		7	49.000
For Bamboo pilling 1.25m		Total (In m)				140.000
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.----- km		0	10.5	2		0.00
For Chachary 01 no. Bamboo=1.413 sqm		0	10.7	2		0.00
		Total (In sqm)				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					
		1	13			13.00
		1	7			7.00
		Total (In m)				20.00
Item No. 6	Supply of Bamboo at site.					
		Total (In m)				160.00
		Total (In nos.)				26.67
						27.00
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					
		1	13	6	2	13.00
		1	7	2	1.5	7.00
		Total (In nos.)				20.00
		Total (In % nos.)				0.20
Item No. 8	Supply of Nylon Crate of size 1mx1mx1m at site.					
		1	0.00	6	2	0
Ch.----- km		1	0	2	1.5	0
		Total (In nos.)				0
Item No. 9	Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I					
		1	13.00	6	2	156.00
Ch.----- km		1	7	2	1.5	21.00
		Total (In cum)				177.00
		1nos=m3/0.034*25				208.24
		Total (In per 25 nos.)				208.00

Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD
FROM JAGIR SE SINGION ROAD

BLOCK :-

GAMHRIYA

S.No	SOR NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	12.3	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.	0.00	Cum	582.71	0.00
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.	469.58	Cum	1922.87	902932.88
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	140.00	m	45.86	6421.09
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	20.00	m	5.31	106.14
6		Supply of Bamboo at site.	27.00	nos.	188.39	5086.43
7	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutfi and EC bag etc. all complete as per approved desing, specification and direction of E/I	0.20	Per %	3705.32	741.06
8		Supply of Nylon Crate of size 1mx1mx1m at site.	0.00	Each	44.63	0.00
9	5.7.40.2	Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of sutfi etc. at site in dry portion all complete as per approved design, specification and direction of E/I	208.00	Each	926.33	192676.85
10	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	3128.33	0.00
11	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.	1107964.45

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Item No. 10	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	1	1	1.000
							0.00
							Total (Cum)
							0.00
Item No. 11	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).						
			Ch.0.00km	0	3	2.5	0.00
							Total (in m)
							0.00

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Calculation of Selgnlorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM JAGIR SE SINGION ROAD
BLOCK :- GAMHRIYA

S.No	SOR NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.				
2/2	A/R	Providing & laying Brick Bat....	0.00	Cum	141.85	0.00
		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	469.58	Cum	1032.00	484602.05
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	0.68	Cum	141.85	96.46
4/9	5.7.40.2	Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I				
		Sand	176.80	Cum	141.85	25079.08
5/10	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	509777.58
		Selgnlorage Fees @10% of Basic Amount			Say	50977.76

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