

**अधीक्षण अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा।**
पत्रांक 623/2020

प्रिय,

ई0 खलीकुजना,
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 पथों का अस्थाई पुनर्स्थापन कार्य का प्रावकलन के प्रशासनिक अनुमोदन प्रदान करने के संबंध में।

प्रसंग : कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा का पत्रांक 172/.... अनु०. दिनांक 13.5.22 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक नु030-4(नु0)विधिव(कार्य, 23-291/2019-4849 पटना, दिनांक 07.12.2021

नमस्कार,

उपर्युक्त विषयक प्रस्तावित पत्र द्वारा प्राप्त कार्य प्रमंडल, मधेपुरा अन्तर्गत शीर्ष FDR (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथों का अस्थाई पुनर्स्थापन कार्य का डी0पी0आर0 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 Surkila Devi 0.022 1.92630
Ke Ghar se PMGSY 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
KUMARKHAND
MADHEPURA

DETAILED ESTIMATE FOR TEMPORARY RESTORATION
OF ROAD FROM KUMARKHAND TO JADUAPATTI

Flood affected Length of Road	=	0.258 Km ✓
TOTAL COST OF PAVEMENT	Rs	9,27,227.03
TOTAL PROJECT COST	Rs	9,27,227.03

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

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

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF
ROAD FROM KUMARKHAND TO JADUAPATTI

NAME OF ROAD :-

DIVISION :- MADHEPURA

BLOCK :- KUMARKHAND

Flood Affected Length of Road :- 0.258 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	8,10,135.37
2	Add:-Labour Cess @1% amt. =	8,101.35
3	Add:GST@12% on amt. =	97,216.24
4	Add:S.F.@ 10% on Material (Brick Bats) =	11,774.07
TOTAL RESTORATION COST OF THE PROJECT IN LACS		9,27,227.03

Say ₹ 9,27,227.00/

[Signature]
20/10/21

Junior Engineer
RWD (W) Division, Madhepura

[Signature]
30/10/21

Assistant Engineer
RWD (W) Division, Madhepura

[Signature]
30/10/21

Executive Engineer
RWD (W) Division, Madhepura

TS no :- 25 dated 20/05/2022

फॉर्म - १० अ - १ (१०) विविध (कार्य) 23-291/2019, 4849

दिनांक - 07/12/2021

Technically Sanctioned for ₹ 9,27,227.00/- (i.e Nine Lacs
twenty seven thousand two hundred twenty seven only)

in
20/05/2022

Estimating Officer
Rural Work Department
Work Circle, Madhepura

11/21/05/22

Superintending Engineer
Rural Works Department
Works Circle, Madhepura

**अधीक्षण अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा।**
पत्रांक.....956...../

प्रेषक,

ई0 खलीफुज्जमा,
अधीक्षण अभियंता,

सेवा में,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मधेपुरा/उदाकिशनगंज/सुपौल/वीरपुर/त्रिवेणीगंज।
मधेपुरा, दिनांक 13.11.21/

विषय : वर्ष 2021 के बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों का निरीक्षण एवं जाँच के संबंध में।

प्रसंग : सचिव, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक-मु0अ0-4(मु0) विविध (कार्य)-23-40/2016-2789 पटना, दिनांक 21.08.2020 एवं विभागीय Whatsapp ग्रुप में प्राप्त निदेश।

महाशय,

निदेशानुसार उपर्युक्त विषय के संबंध में कहना है कि वर्ष 2021 में बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों का शत-प्रतिशत निरीक्षण एवं जाँच असम्बद्ध कार्यपालक अभियंता के स्तर से किया जाना है। इस संबंध में मधेपुरा अंचल अन्तर्गत विभिन्न प्रमंडलों के क्षतिग्रस्त पथों के निरीक्षण हेतु निम्नानुसार कार्यपालक अभियंताओं को प्राधिकृत किया जाता है।

क्रमांक	प्रमंडल का नाम	निरीक्षण एवं जाँच हेतु प्राधिकृत पदाधिकारी
1.	कार्य प्रमंडल, मधेपुरा।	कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, वीरपुर।
2.	कार्य प्रमंडल, उदाकिशनगंज।	कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा।
3.	कार्य प्रमंडल, सुपौल।	कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, वीरपुर।
4.	कार्य प्रमंडल, त्रिवेणीगंज।	कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशनगंज।
5.	कार्य प्रमंडल, वीरपुर।	कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशनगंज।

तदनुसार निदेश दिया जाता है कि अपने-अपने आवंटित प्रमंडल के क्षतिग्रस्त पथों का निरीक्षण कर विभागीय विहित प्रपत्र में दिनांक 25.11.2021 तक जाँच प्रतिवेदन तैयार कर विभाग को ससमय समर्पित करते हुए अधोहस्ताक्षरी को भी सूचित करेंगे।
सूचनार्थ प्रेषित।

विश्वासभाजन,

13/11/21

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

—:तकनीकी प्रतिवेदन:—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:— 3054 एफ.डी.आर.

पथ का नाम:— कुमारखण्ड से जदुआपट्टी पथ।

पथ की लम्बाई:— 3.00 कि.मी.

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

प्राक्कलित राशि:— ₹0 9.27227 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण कुमारखण्ड से जदुआपट्टी पथ में हुए क्षति यथा कटाव/धसान/जलजसाव 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।

Princed
29/10/21

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, कुमारखण्ड

Princed
29/10/21

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल, कुमारखण्ड

Princed
29/10/21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, मधेपुरा।

Inspection Report for Flood Damage Work

Date:- 12/11/21

1. Name of PIUs :- Er Shailendra Kumar
2. Name of Block :- Kusmarkhand
3. Name of Road :- Kusmarkhand to Jaleupatti

A. For Road

1. Damage Location/Chainage :-
2. Damage Length :- 0.258 km ✓
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 :-

Bamboo pile, E.C bag
Brickbat, Sand filling.

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 12/11/21
AE
EE

Signature
12/11/21
EE
T. Mangam
(Name of Inspector)

Details of Measurement						
कार्य का ब्योरा Deatail of Work		संख्या No.	Measurement			मात्रा Quantity
			लम्बाई in m.	चौड़ाई In m.	ऊँचाई In m.	
NAME OF ROAD :-		DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM KUMARKHAND TO JADUAPATTI				
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification					
Ch:-in	1	37	1.4	0.500	25.900	
Ch:-in	1	75	1.2	0.500	45.000	
Ch:-in	1	14.5	1.2	0.30	5.220	
Ch:-in	1	14.5	1.2	0.50	8.700	
Ch:-in	1	22	1.6	0.60	21.120	
Ch:-in	2	18	1.5	0.50	27.000	
Ch:-in	2	17	1.7	0.60	34.680	
Ch:-in	2	32	1.8	0.30	34.560	
Ch:-in	2	24	1.1	0.40	21.120	
		254	Total (in Cum)			223.300
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.					
Laying Brick	1	37.00	1.40	0.150	7.770	
Ch:-in	1	75.00	1.20	0.150	13.500	
	1	14.50	1.20	0.150	2.610	
	1	14.50	1.20	0.150	2.610	
	1	22.00	1.60	0.150	5.280	
	1	4.10	0.90	0.150	0.554	
	2	18.00	1.50	0.150	8.100	
	2	17.00	1.70	0.150	8.670	
	2	32.00	1.80	0.150	17.280	
	1	24.00	1.10	0.150	3.960	
		258.10				70.334
			Total (in Cum)			70.334
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	3	70.00		3.75	787.500	
CH:-in	3	127.00		3.75	1428.750	
CH:-in	3	21.00		3.65	229.950	
CH:-in	3	29.00		3.7	321.900	
CH:-in	3	30.00		4.85	436.500	
CH:-in	2	2.00		4.1	16.400	
CH:-in	4	18.00		3.35	241.200	
CH:-in	6	17.00		3.35	341.700	
CH:-in	3	70.00		3.75	787.500	
CH:-in	3	48.00		3.5	504.000	
CH:-in		432.00				
			Total (in m)			5095.400
		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, Ch-.2nd km	0	0.9	0.00	

For Chachary 01 no.(6m) Bamboo=1.413 sqm				0	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	432.00			1296.00
				Total (in m)				1296.00
Item No. 6	Supply of Bamboo at site.							
				Total (in m)				6391.40
				Total (in nos.)				1065.23
								1065.00
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	432.00	0.550	0.400	95.04
				Total (in cum)				95.04
(0.034m3=1 no. of EC Bags)								2795.29
				Total (in nos.)				2795.00
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							
				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

Biswas
30/10/24
J.E

Prakash
30/10/24
A-E

Balx

Schedule of Quantity

NAME OF ROAD :-

DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF
ROAD FROM KUMARKHAND TO JADUAPATTI

BLOCK :-

KUMARKHAND

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	223.30	Cum	582.71	130120.13
2	A/R	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.	70.33	Cum	1922.87	135242.18
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	5095.40	m	45.86	233700.10
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	1296.00	m	5.31	6877.83
6		Supply of Bamboo at site.	1065.00	nos.	188.39	200631.33
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	2795.00	nos.	37.05	103563.81
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 Row (1000mm Dia).	0.00	m	4046.57	0.00
		Total			Rs.	810135.37

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Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM KUMARKHAND TO
JADUAPATTI
BLOCK :- KUMARKHAND

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	223.30	Cum	141.85	31675.11
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	70.33	Cum	1032.00	72584.17
3/7	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutll and EC bag etc. all complete as per approved desing, specification and direction of E/I				
		Sand	95.04	Cum	141.85	13481.42
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 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
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	0.00	Cum	475.51	0.00
						0.00
		GSB Gr-I			TOTAL	117740.70
		Seigniorage Fees @10% of Basic Amount			Say	11774.07

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