

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

प्रेषक,

ई० खलीकुज्जमा,
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 पथांशों 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 19/5/22 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक मु०अ०-4(मु०)विधि(कार्य)23-291/2019-4849 पटना, दिनांक 07.12.2021

महाशय,

उपर्युक्त विषयक प्रसांगिक पत्र द्वारा प्राप्त कार्य प्रमंडल, मधेपुरा अन्तर्गत शीर्ष **FDR** (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथांशों 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 Biral 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 Bhalipor	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 Deb 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
KUMARKHAND
MADHEPURA

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF
ROAD FROM RATANPATTI SADAK KORLAHI TO
KEWATGAMA CHOWK**

Flood affected Length of Road	=	0.231 Km ✓
TOTAL COST OF PAVEMENT	Rs	3,00,461.35
TOTAL PROJECT COST	Rs	3,00,461.35

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

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

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM RATANPATTI SADAK KORLAHI TO
KEWATGAMA CHOWK

DIVISION :- MADHEPURA

BLOCK :- KUMARKHAND

Flood Affected Length of Road :- 0.231 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	2,58,295.35
2	Add:-Labour Cess @1% amt. =	2,582.95
3	Add:GST@12% on amt. =	30,995.44
4	Add:S.F.@ 10% on Material (Brick Bats) =	8,587.61
TOTAL RESTORATION COST OF THE PROJECT IN LACS		3,00,461.35

Say ₹ 3,00,461.00

Birend
30/10/21

Junior Engineer
RWD (W) Division, Madhepura

Birend
30/10/21

Assistant Engineer
RWD (W) Division, Madhepura

Birend
30/10/21

Executive Engineer
RWD (W) Division, Madhepura

T.S no - 33

dated - 20/5/2022

पत्रांक - मु. अ. - 4(मु) विविध (कार्ग) 28-29/1/2019, 4849

दिनांक - 07/12/2021

Technically Sanctioned for ₹ 3,00,461.00/- (i.e. Three
lacs four hundred sixty one only).

Under
selection

Estimating Officer
Rural Work Department
Work Circle, Madhepura

11/6/21/05/22

Superintending Engineer
Rural Works Department
Works Circle, Madhepura

Inspection Report for Flood Damage Work

Date: 17/11/2021

1. Name of PUs: Ex Shai Jordan Kumar
2. Name of Block: Kumar Khana
3. Name of Road: Rastanpalli Sadak Khandak do Khandgumachurk.

A. For Road

1. Damage Location/Chalnage:
2. Damage Length: 0.231 km
3. Nature of Damage: E. F. H. g, brick bats, beam bridge pole.
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:-

B. For Bridge

1. Damage Location/Chalnage:-
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:-

Brand
17/11/2021
JE AE EE
17/11/21

अर्थ एनेलन-ए वाक गका।
17/11/21
signature EE
(Name of Inspector) Trivaniyan

—:तकनीकी प्रतिवेदन:—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:— 3054 एफ.डी.आर.

पथ का नाम:— रतनपट्टी सड़क कोरलाही से केवटगामा चौक पथ।

पथ की लम्बाई:— 4.79 कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्ष:— मुख्यमंत्री ग्राम सम्पर्क योजना

प्राक्कलित राशि:— रू0 3.00461 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण रतनपट्टी सड़क कोरलाही से केवटगामा चौक 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।

Birend
30/10/21

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, कुमारखण्ड

Birend
30/10/21

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल, कुमारखण्ड

Birend
30/10/21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, मधेपुरा।

Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM RATANPATTI SADAK
KORLAHI TO KEWATGAMA CHOWK
BLOCK :- KUMARNHAND

SNO	SORNO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
11	123	Sand filling in Foundation Trenches as per Drawing & Technical Specification				
		EW	101.83	Cum	141.85	14422.65
22	AR	Providing & laying Brick Bat...				
		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	64.78	Cum	1032.00	66857.50
37	5.7.40.1	Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sub and EC bag etc. all complete as per approved design, specification and direction of E1				
		Sand	32.40	Cum	141.85	4595.94
45	5.7.40.2	Providing, laying and filling Geo bags of size 1mX0.7m (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 E1 (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	150.00	Cum	515.42	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)	103.00	Cum	185.94	20031.52
						142652.88
		Cost for 300 cum = a		Cum		475.51
		Rate per Cum = (a)/300	0.00	Cum	475.51	0.00
						0.00
		GSB Gr-I			TOTAL	85876.09
		Seigniorage Fees @10% of Basic Amount			Say	8587.61

Boisard
JE 3-7-20/21

Prakash
AE 3-7-20/21

EE
EE

Details of Measurement

कार्य का ब्योरा Deatall of Workl		संख्या No.	Measurement			मात्रा Quantity	
			लम्बाई in m.	चौड़ाई In m.	In m.		
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM RATANPATTI SADAK KORLAHI TO KEWATGAMA CHOWK					
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification						
Ch:-in		1	6.1	1.3	0.250	1.983	
		1	5.2	2.2	0.150	1.716	
		1	3.8	1.8	0.20	1.368	
		1	10.4	2.6	0.10	2.704	
		1	4.1	2.7	0.20	2.214	
		1	35.5	2.6	0.30	27.690	
		1	4	0.8	0.25	0.800	
		1	6.9	2.4	0.25	4.140	
		1	7.2	1.2	0.20	1.728	
		1	14.4	0.9	0.15	1.944	
		1	4.2	1.2	0.25	1.260	
		1	5.8	1.9	0.25	2.755	
		1	3	1.6	0.30	1.440	
		1	9.5	2	0.20	3.800	
		1	2.1	2.2	0.15	0.693	
		1	3.4	1.3	0.20	0.884	
		1	3.3	1.5	0.20	0.990	
		1	5	1.4	0.30	2.100	
		1	1.7	1.6	0.15	0.408	
		1	2.5	1.5	0.18	0.675	
		1	2.2	1.6	1.90	6.688	
		1	3	1.4	0.25	1.050	
		1	3.7	1.65	0.45	2.747	
		1	6.2	1.5	0.17	1.581	
		1	4.3	1.6	0.19	1.307	
		1	5	2.7	0.20	2.700	
		1	2.5	1.5	0.25	0.938	
		1	2.9	2.4	0.30	2.088	
		1	5.6	2.5	0.15	2.100	
		1	4	1.4	0.20	1.120	
		1	4	1.8	0.18	1.296	
		1	2.2	2	0.17	0.748	
		1	2.2	1.4	0.20	0.616	
		1	22.8	1.6	0.18	6.566	
		1	1	1	1.80	1.800	
		1	1.5	1.2	0.20	0.360	
		1	5.4	1.8	0.20	1.944	
		1	2.7	0.9	0.15	0.365	
		1	11.5	1.9	0.20	4.370	
		Total (in Cum)					101.675
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.						
h:-in		1	6.1	1.3	0.100	0.793	
		1	5.2	2.2	0.100	1.144	
		1	3.8	1.8	0.150	1.026	
		1	10.4	2.6	0.150	4.056	
		1	4.1	2.7	0.200	2.214	
		1	35.5	2.6	0.150	13.845	

	1	4	0.8	0.200	0.640
	1	6.9	2.4	0.200	3.312
	1	7.2	1.2	0.150	1.296
	2	14.4	0.9	0.200	5.184
	1	4.2	1.2	0.100	0.504
	1	5.8	1.9	0.150	1.653
	1	3	1.6	0.150	0.720
	1	9.5	2	0.170	3.230
	1	2.1	2.2	0.130	0.601
	1	3.4	1.3	0.100	0.442
	1	3.3	1.5	0.100	0.495
	1	5	1.4	0.075	0.525
	1	1.7	1.6	0.100	0.272
	1	2.5	1.5	0.150	0.563
	1	2.2	1.6	0.150	0.528
	1	3	1.4	0.075	0.315
	1	3.7	1.65	0.100	0.611
	1	6.2	1.5	0.150	1.395
	1	4.3	1.6	0.100	0.688
	1	5	2.7	0.150	2.025
	1	2.5	1.5	0.150	0.563
	1	2.9	2.4	0.150	1.044
	1	5.6	2.5	0.100	1.400
	1	4	1.4	0.150	0.840
	1	4	1.8	0.150	1.080
	1	2.2	2	0.200	0.880
	1	2.2	1.4	0.150	0.462
	1	22.8	1.6	0.150	5.472
	1	1	1	0.150	0.150
	1	1.5	1.2	0.100	0.180
	1	5.4	1.8	0.100	0.972
	1	2.7	0.9	0.160	0.389
	1	11.5	1.9	0.150	3.278
		230.80			64.784
			Total (in Cum)		64.784
Item No. 3	Labour for cutting 62mm to 75 mm dla bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I				
CH:-in	3	48.00		3.2	460.800
		48.00			
	For Bamboo pilling 1.25m		Total (in m)		460.800
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	0.9	0.00
	For Chachary 01 no.(6m) Bamboo=1.413 sqm	0	0	2	0.00
			Total (ln 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	2	48.00			96.00
			Total (in m)		96.00
Item No. 6	Supply of Bamboo at site.				
			Total (in m)		556.80
			Total (ln nos.)		92.80
					93.00

Birend
30/10/24
J.E

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	1	48.00	0.900	0.750		32.40
	Total (in cum)					32.40
	(0.034m ³ =1 no. of EC Bags)					952.94
	Total (in nos.)					953.00
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 0.07m 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)					
	1	0	0	0		0.00
						0.00
	(0.07m ³ =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

Schedule of Quantity

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD
FROM RATANPATTI SADAK KORLAHI TO KEWATGAMA CHOWK

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	101.68	Cum	582.71	59247.69
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.	64.78	Cum	1922.87	124571.98
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	460.80	m	45.86	21134.55
4	5.7.8	Labour for fitting and fixing Split bamboo woven chaachari 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	96.00	m	5.31	509.47
6		Supply of Bamboo at site.	93.00	nos.	188.39	17519.92
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, sification and direction of E/I	953.00	nos.	37.05	35311.74
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.	258295.35

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