Inspection Report for Flood Damage work

Date:-

1 Name of PIUS :- Er. Ram Ratan Ram

2 Name of Block :- Alamnagar

3 Name of Road :- Sonaruabhi To Murout

A. For Road

1 Damage Location/Chainage :- 0.075

2 Damage Length :- 0-0~~50~~ K-M

3 Nature of damage :- cutting in road.

4 Details of Restoration Works :- Brick work.

i Material being used in Restortion works:- Brick work.

ii Equipments/Tools being used in Restoration works :- Machinary

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 Restortion works:-

ii Equipments/Tools being used in Restoration works :-

iii Procedure taken up in Restoration works :-

iv Restored Length :-

24/07/24

JE

AE

25/7/24

EE

check and found satisfactory.

25/7/24

Signature

(Name of inspector)

Scanned with CamScanner

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	BIHAR
DISTRICT	MADHEPURA
BLOCK	ALAMNAGAR
DIVISION	UDAKISHANGANJ

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM SONAMUKHI TO MUROUT

Actual Length of Road	=	1.825 Km
Flood affected Length of Road	=	0.075 Km
TOTAL COST OF PAVEMENT	Rs	2,023,962.50
TOTAL PROJECT COST	Rs	2,023,962.50

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

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

Scanned with CamScanner

प्रतिवेदन

पथ का नाम :- Sonamukhi To Murout.

प्रखंड :- Alamagar

जिला :- Madhepura

पथ की कुल लंबाई :- ~~0.050~~ 0.075/1.875 K-M

प्रस्तुत प्राक्कलन मो०-5-69 लाख का वर्ष 2021 में आयी बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों को मानक अवस्था में लाने हेतु विभागीय पत्रांक–मु०अ०–4(मु०) विविध (कार्य)–23–291/2019 4275 पटना, दिनांक–22.10.2021 एवं पत्रांक– मु०अ०–4(मु०) विविध (कार्य) 23–291/2019 4589 पटना, दिनांक–13.11.2021 के द्वारा दिये गये निर्देश का अनुपालन कर ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज के अधीन स्वीकृत प्राक्कलन के दर पर तैयार की गई है।

कनीय अभियंता,
ग्रामीण कार्य विभाग,

सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमंडल,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, उदाकिशुनगंज।

Scanned with CamScanner

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

पत्रांक....956..../

प्रेषक,

ई० खलीकुज्जमा,
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 जॉच के संबंध में।

प्रसंग : सचिव, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक–मु0अ0–4(मु0) विविध (कार्य)–23–40/2016–2789 पटना, दिनांक 21.08.2020एवं 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 जॉच 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 जॉच हेतु प्राधिकृत पदाधिकारी
1.	कार्य प्रमंडल, मधेपुरा।	कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, वीरपुर।
2.	कार्य प्रमंडल, उदाकिशुनगंज।	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, उदाकिशुनगंज।
5.	कार्य प्रमंडल, वीरपुर।	कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज।

तदनुसार निदेश दिया जाता है कि अपने–अपने आवंटित प्रमंडल के क्षतिग्रस्त पथों का निरीक्षण कर विभागीय निहित प्रपत्र में दिनांक 25.11.2021 तक जॉच 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।

Scanned with CamScanner

अभियंता प्रमुख का कार्यालय
ग्रामीण कार्य विभाग, बिहार, पटना।

पत्रांकः– मु0अ0–4(मु0)विविध (कार्य)–23–291/2019-4589 दिनांक– 13/11/2021

प्रेषक– अशोक कुमार मिश्रा,
अभियंता प्रमुख

सेवा में,

अधीक्षण अभियंता,
सभी कार्य अंचल,
ग्रामीण कार्य विभाग।

विषयः– वर्ष 2021–22 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्य की जाँच के संबंध में।

महाशय,

वर्ष 2021–22 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल करने हेतु किए गए कार्यों की शत् प्रतिशत जाँच अपने अंचल के अधीन असंबद्ध कार्यपालक अभियंता एवं उनके अधीनस्थ पदाधिकारियों के दल के माध्यम से सुनिश्चित की जाय। इस जाँच दल के गठन में यह ध्यान रखा जाय कि कार्यपालक अभियंता को जाँच हेतु आवंटित प्रमंडल परस्पर एक दूसरे के प्रमंडल के न हो। जाँच हेतु अंतिम तिथि 25/11/2021 निर्धारित है। इस तरह प्राप्त जाँच प्रतिवेदन भी अन्य सूचनाओं (यथा प्राक्कलन/मापी पुस्तिका की प्रति इत्यादि) की भाँति MIS पर Upload किया जायेगा, जिसके लिए MIS में किए गए प्रावधान के अनुसार अपना जाँच प्रतिवेदन Upload करना सुनिश्चित करें। साथ ही साथ पूर्ण पुनर्स्थापन कार्य हेतु भी DPR निर्माण का कार्य भी 25/11/2021 तक कराया जाए।

उपरोक्त का अनुपालन शत् प्रतिशत पथों के लिए सुनिश्चित किया जाय।

विश्वासभाजन

13/11/21

(अशोक कुमार मिश्रा)
अभियंता प्रमुख

ज्ञापांकः– मु0अ0–4(मु0)विविध (कार्य)–23–291/2019 4589 दिनांक 13/11/2021
प्रतिलिपिः– सभी कार्यपालक अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

13/11/21

अभियंता प्रमुख

Scanned with CamScanner

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM SONAMUKHI TO MUROUT

DIVISION :- UDAKISHANGANJ

BLOCK :- ALAMNAGAR

Actual Length of Road :- 1.825 Km

Flood Affected Length of Road :- 0.075 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	1,739,897.01
2	Add:-Labour Cess @1% amt. =	17,398.97
3	Add:GST@12% on amt. =	208,787.64
4	Add:S.F.@ 10% on Material (Brick Bats) =	57,878.88
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	2,023,962.50

11,03,937

Junior Engineer
RWD (W) Division,Udakishanganj

Assistant Engineer
RWD (W) Division,Udakishanganj

Executive Engineer
RWD (W) Division,Udakishanganj

Scanned with CamScanner

पत्रांक सु० 310-4 (सु०) विविध (कार्य) 23-291 /2019-4

दिनांक- 7/12/2021

Technically sanctioned for Rs ~~2023962.50~~ 11,03,837.00

(Rupees ~~twenty~~ Eleven lac ~~twenty~~ three thousand ~~nine~~ eight hundred ~~sixty two~~ thirty seven only)

20/04/22

Superintending Engineer
Rural Works Department
Works Circle Madhepura

Scanned with CamScanner

Schedule of Quantity

NAME OF ROAD :- **DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM SONAMUKHI TO MUROUT** **BLOCK :-** **ALAMNAGAR**

S.No	SOR NO	DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	2077.40	Cum	582.71	Rs. 1,210,530.89
2	A/R	Providing and laying of Brick bat obtained from chimney with machenical 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.	275.30	Cum	1922.87	Rs. 529,366.11
		Total			Rs.	**Rs. 1,739,897.01**

JE

AE

EE

Details of Measurement

कार्य का ब्यौरा Deatail of Workl	संख्या No.	iSekbZl Measurement लम्बाई in m.		चौड़ाई In m.		In m.	मात्रा Quantity
NAME OF ROAD :-	**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM SONAMUKHI TO MUROUT**						
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification					2.75	
Ch:-in -0.00-0.75KM	1	47	5	12	8.5	5.20	2077.400
		Total (in Cum)					~~2077.400~~
Item No. 2 : Laying Brick	Providing and laying of Brick bat obtained from chimney with machenical 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.						1052.25
CH: -IN- 0.00-0.75KM	1	47.00		4.00		0.60	112.800
	2	25.00		5.00		0.65	162.500
	0	0.00		0.00		0.00	0.000
		72.00		**Total (in Cum)**			~~275.300~~

162.50

21/07/21

Scanned with CamScanner

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM SONAMUKHI TO
NAME OF ROAD :- MUROUT
BLOCK :- ALAMNAGAR

S.No	SOR NO	DESRIPTION 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....	2077.40	Cum	141.85	294679.19
			1052.25			
		Providing and laying of Brick bat obtained from chimney with machenical 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	275.30	Cum	1032.00	284109.60
			1562			578788.79
					TOTAL	**578788.79**
		Seigniorage Fees @10% of Basic Amount on MATERIALS			Say	**57878.88**

JE AE EE

Scanned with CamScanner

Bill of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM SONAMUKHI TO MUROUT

BLOCK :- ALAMNAGAR

DISTRICT :- MADHEPURA

S.No	SOR NO	DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing & Technical Specification	2077.40	Cum	582.71	1210530.89
2/2	A/R	Providing & laying Brick Bat....				
		Providing and laying of Brick bat obtained from chimney with machenical 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.	275.30	Cum	1922.87	529366.11
					Say	**1739897.01**
		Seigniorage Fees				57878.88
		Add @12% GST				208787.64
		Add @1% Lebour Cess				17398.97
						2023962.50
					Say	**2023962.50**

EE

Scanned with CamScanner

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount In Rs
1	3.4	301.5 (A)	**Construction of Embankment with Material Obtained from Borrow Pits**				
			Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a ***lead upto 1000 m*** as per Technical Specification Clause 301.5				
			Unit = cum				
			Taking output = 100 cum				
		a)	Labour				
			Mate	day	0.04	305.00	12.20
			Mazdoor (Unskilled)	day	1.00	287.00	287.00
		b)	Machinery				
			Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour	hour	1.67	1969.20	3,288.56
			Tipper 5.5 cum with 10 t capacity	hour	4.50	1,043.00	4,693.50
			Add 10 % of the cost of carriage by tipper				469.35
			Dozer D-50 for spreading @ 100 cum per hour	hour	0.50	3,337.90	1,668.95
			Tractar mounted grader arrangement @ 200 cum per hour	hour	1.00	570.00	570.00
			Water tanker 6 kl capacity	hour	2.00	183.00	366.00
			Three wheel 80-100 kN Static Roller	hour	1.25	803.00	1,003.75
		c)	Material				
			Water	kl	12.00	40.00	480.00
			Compensation for earth taken from private land	cum	100.00	34.81	3,481.00
		d)	Overheads @ 12 % on (a+b+c)				1958.44
			Cost for 100 cum = a+b+c+d+e				18,278.75
			Rate per cum = (a+b+c+d)/100=				182.79
			Total Cost	CUM			182.79
2	4.1	401 (A)	**PAVEMENT CRUST LAYERS**				
			Granular Sub-base with Well Graded Material (Table 400.1)				
			By Mix in Place Method				
			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 II Material				
			Unit = cum				
			Taking output = 300 cum				
		a)	**Labour**				
			Mate	day	0.48	305.00	146.40
			Mazdoor (Skilled)	day	2.00	364.00	728.00
			Mazdoor (Unskilled)	day	10.00	287.00	2,870.00
		b)	**Machinery**				
			Tractor Mounted Motor Grader 110 HP @ 50 cum per hour	hour	6.00	570.00	3,420.00
			Three wheel 80-100 kN static roller @ 10 cum per hour	hour	30.00	803.00	24090
			Tractor with Rotavator 25 cum per hour	hour	12.00	573.20	6,878.40
			Water tanker 6 kl capacity	hour	5.00	183.00	915.00
		c)	**Material**				
			Coarse graded granular sub-base material as per Table 400.2				
			53 mm to 9.5 mm @ 50 per cent	cum	134.00	516.42	69,200.28
			9.5 mm to 2.36 mm @ 20 per cent	cum	96.00	411.33	39,487.68
			2.36 mm below @ 30 per cent (with local sand)	cum	153.00	185.94	28,448.82
			Water	kl	30.00	40.00	1,200.00
		d)	Overheads @ 12 % on (a+b+c)				21286.15
			Cost for 300 cum = a+b+c+d+e				198,670.73
			Rate per cum = (a+b+c+d)/300				662.24
			Add for Carriage Cost				
			Carriage for GSB Material		0.77	1716.61	1321.7897
			2.36 mm below @ 30 per cent (with local sand)		0.36	299.25	107.73
			Total Cost per Cum				2091.76
			Total Cost	CUM			2,091.76
3	5.7.54 WRD SOR		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)				
			Unit = Each Bags				
			Taking output = 40 Nos Bags				
		a)	**Labour**				
			Mazdoor (USkilled)	Nos	2.00	287.00	574.00
			Ordinary Labour	Nos	4.00	287.00	1148.00
			Mazdoor (Skilled)	Nos	0.33	364.00	120.12
			Mate	Nos	0.25	305.00	76.25
		b)	**Machinery**				
			Hire Charge of stitching machine	Day	0.33	50.00	16.50
			Hire Charge of Manual Trolly	Day	1.00	50.00	50.00
			Hire Charge of 3KVA generator	hour	2.67	74.00	197.58
		c)	**Material**				

Scanned with CamScanner

SUMMARY OF RATE

Sl. No.	Ref. Code No.	Description of Labour	Rate (Rs.)	Unit
1		Filling E.C. Bags	629.20	%nos.
2		Placing E.C Bags	924.60	%nos.
3		Filling E.C Bags and Placing	1553.80	%nos.
4		Filling Geo. Bags	26.40	each
5		Placing Geo Bags	34.30	each
6		Filling Geo Bags and Placing	81.00	each
7		Filling E.C Bags and Placing in N.C	388.50	each
8		Filling E.C Bags and Placing in B.A.Wire Crates	1243.00	each
9		Filling Geo Bags and Placing in N.C	364.20	each
10		Filling Geo Bags and Placing in B.A.Wire Crates(Beggy)	1638.90	each
11		Filling Geo Bags and Placing in B.A.Wire Crates(Box))	2003.10	each
12		Filling Geo Bags and Placing in Gabbin 1.8x1.8x0.5	1092.60	each
13		Filling Geo Bags and Placing in Gabbin 1.8x1.8x0.6	728.40	each
14		Already Filled E.C Bags Placing in N.C	231.15	each
15		Already Filled E.C Bags Placing in B.A.Wire crates	739.68	each
16		Already Filled Geo Bags Placing in N.C	205.80	each
17		Already Filled Geo Bags Placing in B.A.Wire Crates(Beggy)	926.10	each
18		Already Filled Geo Bags Placing in B.A.Wire Crates(Box))	1131.90	each
19		Already Filled Geo Bags Placing in Gabbin 1.8x1.8x0.5	617.40	each
20		Already Filled Geo Bags Placing in Gabbin 1.8x1.8x0.6	411.60	each
21		Supply of bamboo 75mm dia	162.70	each
22		Carriage of bamboo 75mm dia lead 5km us	8.70	each
23		Supply of bamboo 100 mm dia	173.70	each
24		Carriage of bamboo 100 mm dia lead 5km us	9.30	each
25		Supply of binding wire	71.60	each
26		Laying of porcupine Without boat	834.80	each
27		Laying of porcupine with boat	877.90	each
28		Bamboo pilling with jet pump	38.20	each
29		Tree spur	358.00	each
30	M-189	Water	40.00	KL
31	e(ii)	Brick Bats	1032.00	per cum
32	M-006	Local/Fine Sand	141.85	per cum
33		Nails	55.84	per kg
34	222(i)	Bamboo 75mm dia 6m to 8m long	141.50	each
35	232	Sutali	19.75	per kg
36	M-120	Coarse Sand	150.80	per cum
	M-121	Sand (Fine)	141.85	per cum
37	M-081	Cement	5156.00	per mt
38		HP 1000mm dia NP3	2774.50	per mt
39		HP 600mm dia NP3	768.53	per mt
40	M-159	Sand Bags (Cost of sand and empty cement bag)	8.46	per nos..
41	275	Old empty cement bag(synthetic)(Annexure-I)	292.00	per %nos.
42	276	Nylon Crate of size 1mx1mx1m	39.85	Each
43	M-017	Aggregate 40 mm	494.15	Cum
44	M-016	Aggregate 20 mm	604.91	Cum
45	M-015	Aggregate 10 mm	668.8	Cum
46	M-047	Cement Primer	115.16	litre
47	M-103	Paint (Synthetic Enamel)	516.42	litre
48	M-150	Well Graded Material for Sub-Base - Grading I 53 mm to 9.5 mm	516.42	Cum
49	M-151	Well Graded Material for Sub-Base - Grading II 9.5 mm to 2.36 mm	411.33	Cum
50	M-152	Well Graded Material for Sub-Base - Grading III 2.36 mm below	185.94	Cum
51	M-105	Polythene sheet (125 micron)	14.35	Sqm
52		G.I. wire3.15 mm dia	69.3	per kg
53		Compensation for earth taken from private land	34.81	Cum
54		Stitching Role	30	Nos.

Scanned with CamScanner

Sl No.	SOR No.		Description	Unit	Qty	Rate(Rs.)	Amount (Rs.)
4	9.3	1100	**Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row .** Prpviding and Laying Reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets .				
			1000 mm dia Hume Pipe				
			Unit=m				
			Taking Output=7.5 m (3 pipes of 2.5 m lengthg each)				
		a	**Material**				
			Sand at site	cum	0.04	2,950.27	118.01
			Cement at site	ton	0.03	5,716.83	171.50
			RCC pipe NP3 pipe includsing coller at site	m	7.50	3,481.28	26,109.60
		b	**Labour**				
			Mate	day	0.09	305.00	27.45
			Mason (1 class)	day	0.25	388.00	97.00
			Mazdoor(Unskilled)	day	2.00	287.00	574.00
							27,097.57
			Add OH@12%				3,251.71
							30,349.27
			Cost for 7.50 m =				30,349.27
			Rate per M=				**4,046.57**
5			**(Providing and laying of brick bats obtained from chimney with machnical means wih all spreading gradding to required slope and compacted at OMC to achieve required density with all completed as per direction of E/I)**				
			Taking out put=100 cum				
		a)	Labour				
			Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)	day	1.00	322.27	322.27
		b)	Materials				
			Bricks Bats -Basic Rate **Taken From RCD S.O.R. Schedule-M:11-5(ii) dt.-25.02.2021**	Cum	1	1032.00	1032.00
			Overheads @12%on (b)				123.84
			Add:Carriage Charge for Brick bats				444.76
			Total Cost				1,922.87
			NET TOTAL COST PER CUM				1,922.87
			SAY Rs				**1,922.87**
6	5.7.7		Labour for cutting 62 mm to 75 mm dia sal bamboo piles to size and making shoes and driving etc.complete job as per specification and direction of E / I.				
	WRD		Unit :- Per M				
			Taking Out put:- 30.50 Mtr				
			(Assuming 20 nos. pile sunk 1.525 mtr deep) Total depth sunk 30.50 meter				
		(a)	Labour				
			Carpenter Gr II	Nos	1.00	388.00	388.00
			Unskilled mazdoor for pilling	Nos	3.00	287.00	861.00
							1,249.00
			Overheads @ 12%				149.88
							1,398.88
							1,398.88
			Rate Per M				**45.86**
7	5.7.8		**Providing 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. wire3.15 mm dia or nails complete job as per specification and direction of E / I.**				
			Unit :- Per M2				
			Taking Out put:- 9.30 Sqm				
			(Assuming strip of 3.05x3.05 = 9.30 sqm)				
		a	**Material**				
		1	75 mm to 100mm long nail	kg	0.25	55.84	13.96
		2	Bamboo -75mm dia to 62 mm dia				
			Bamboo @75mm = 3050/75 = 40.67				
			Say=41Nosx3.05=125.05M				
			Add for Lower Binder of chachari				
			10x3.75=30.50M				
			Runner @150mmc/c=7x3.05=21.35M				
			Total length of Bamboo=176.9M				
			Total No of Bamboo=176.9/6=30No	No	30	141.50	4245
		b	**Labour**				
			Carpenter Gr II	Nos	1.00	345.00	345.00
			Unskilled mazdoor for pilling	Nos	1.00	287.00	287.00

Scanned with CamScanner

Sl No.	SOR No.		Description	Unit	Qty	Rate(Rs.)	Amount (Rs.)
			Overheads @ 12% on labour charge (345.00+287.00)				75.84
							4,966.80
			Rate Per M2				534.06
8	5.7.8		Labour for fitting and fixing split bamboo nwoven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire3.15 mm dia or nails complete job as per specification and direction of E / I.				
	WRD		Unit :- Per M2				
			Taking Out put :- 9.30 Sqm				
			(Assuming strip of 3.05x3.05 = 9.30 sqm)				
			(a) Material				
			G.I. wire3.15 mm dia	Kg	0.250	69.30	17.33
			(b) Labour				
			Carpenter Gr II	Nos	1.00	345.00	345.00
			Unskilled mazdoor for pilling	Nos	1.00	287.00	287.00
							649.33
			Overheads @ 12%				77.92
							727.24
							727.24
			Rate Per M2				78.20
9	5.7.9		Labour for fitting and fixing 62mm to 75 mm dia bamboo runners in position at every vertical pile 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.				
	WRD		Unit :- Per M				
			Taking Out put:- 30.50 Mtr				
			(a) Materials				
			Cost of 150 mm long nails	Kg	0.50	55.84	27.92
			(b) Labour				
			Carpenter Gr II	Nos	0.13	345.00	44.85
			Unskilled mazdoor for pilling	Nos	0.25	287.00	71.75
							144.52
			Overheads @ 12%				17.34
							161.86
							161.86
			Rate Per M				5.31
10			Supplying bamboo 75 mm dia 6 m to 8 m long at..... complete job as per specification and direction of E / I.				
			Taking Out put:- 115 nos				
			(a) Material				
			Supplying bamboo 75 mm dia 6 m to 8 m long (Cost of bamboo)	Nos	115	162.70	18,710.50
			Add:Carriage Charge for Bamboo				292.22
			Add Labour for laying Bamboo				340.51
							19,343.23
			Overheads @ 12%				2,321.19
							21,664.42
							21,664.42
			Rate Per each Bamboo				188.39
11	5.7.40.1		Labour for filling empty cement bags with local sand, stiching the bags and placing including suppiy of sutli etc. all complete as per approved design, specifications anddirection of E/I				
	WRD		Unit :- Per % nos				
			Taking Out put:- 100 nos				
		(a)	Supplying of Sand bags (Cost of sand and Empty cement bag)	Nos	100	8.46	846.00
			Carraige cost for Local sand (100 no. of Bags=100x0.034m3	cum	3.4	299.25	1017.45
						Total	1863.45
		(b)	For filling & stiching & stacking				
			(a) Unskilled mazdoor for filling sand into bags and sewing	Nos	2	287	574.00
			(b) Sutali	Kg	0.5	19.75	9.88
						Total	583.88
		(c)	Labour rate for Carring & Placing to work site of E.C.Bags				
			(a) Unskilled mazdoor for carring filled bags and placing to work site	Nos	3	287	861.00
			Total (A+B+C)=				3308.33

Scanned with CamScanner

Sl No.	SOR No.		Description	Unit	Qty	Rate(Rs.)	Amount (Rs.)
			Add overhead chrage @12%				397.00
			Total Net Rs.				3705.32
			Rate per %				3705.32
			Sand Each Bag				37.05
						Say	**Rs 37.05**
12	5.7.40.2 WRD SOR Page 159		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				
			Unit :- Each N.C				
			Taking Out Put = 25 nos. filled E.C. Bags in each N/C				
			Cost of 25 nos of filled E.C.Bags (Vide item no. 5.7.40.1	Nos	25	37.05	926.33
			Rate each				**926.33**
13			Supply of Nylon Crate of size 1mx1mx1m				
			Material			39.85	39.85
		(a)	Nylon Crate				
		(b)	Add Overhead charge @12%				39.85
			Total (a+b)				4.78
			Rate per nos.				44.63
							44.63
14	11.2		**Sand filling in Foundation Trenches as per Drawing & Technical Specification**				
			Unit = Per Cum				
		a	Material				
			Sand(assuming 20 persent voids)	cum	1.20	141.85	170.22
		b	Labour				
			Mate	day	0.01	305.00	3.05
			Mazdoor(Unskilled)	day	0.3	287.00	86.10
							259.37
			Add overhead chrage @12%				31.1244
							290.494
			total=				290.49
			Carraige cost for Local sand				292.22
			Rate per cum				**582.71**

Scanned with CamScanner

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

पत्रांक 483 /अनु0

प्रेषक,

ई0 खलीकुज्जमा,
अधीक्षण अभियंता,

सेवा में,

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

मधेपुरा, दिनांक 20/04/2022

विषय : **ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज 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, **उदाकिशुनगंज** का पत्रांक **722** अनु0, दिनांक **12.04.2022** 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 द्वारा प्राप्त कार्य प्रमंडल, **उदाकिशुनगंज** अन्तर्गत शीर्ष **FDR (वित्तीय वर्ष 2021-22)** योजना का बाढ़ से क्षतिग्रस्त पथांशों 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।

क्र0	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
1.	Alamnagar	L025-T-05 SONAMUKHI to MURAUT (VR12)	0.050	20.23962
2.	Alamnagar	L034-T-05 CHUBATUA GANGAPUR TO HARJORAGHT (VR20)	0.097	28.17067
3.	Alamnagar	L035-T-05 BHARSO TOLA TO KACHAHARI TOLA (VR21)	0.210	17.67956
4.	Alamnagar	Construction of road from Alamnagar SonaMukhi kakpsila with five years maintainance with 2 no. H.L bridge.	0.300	34.63060
5.	Alamnagar	Construction of road from Alamnagar fullaut road with five year maintenance with 2 nos. of H.L bridges.	0.072	6.02269
6.	Bihariganj	S01school Ke Nikat Se to Vairaw Patti	0.087	7.01604

P.T.O.

Scanned with CamScanner

क्र0	प्रखंड	योजना का नाम	क्षतिग्रस्त भाग की लम्बाई (KM)	तकनीकी स्वीकृति की राशि (Lakh)
7.	Chausa	Construction of road from Dhaneshpur to morsanda with five years maintenance.	0.082	5.27416
8.	Chausa	Adhik Mandal Parbatta Bsabitti Ke Nikat To Sripurbasa PCC via Parbatta	0.146	5.74302
9.	Chausa	Khoparia Tola Lowalagan To baba bishuraut Sthan	0.045	6.24997
10.	Chausa	L036-T01 TO SHABA TOLA (VR11)	0.733	20.33275
11.	Gwalpara	Resna PMGSY Path To Kamalpur	0.136	7.15886
12.	Gwalpara	Baliya Basa REO Road To Amauja	0.060	11.57017
13.	Gwalpara	L036-Gwalpara to biswari (VR7)	0.181	9.01073
14.	Chausa	Construction of H.L Bridge Over Bariyari Dhar Sapni Fulaut Pandahi Path.	0.075	7.41311
15.	Puraini	Durga PMGSY Path Paina via Durgapur Goth Chhoti Badhona	0.142	20.25279
16.	Puraini	Kherho paschim Tola PMGSY Path To Dhaneshpur Via Goth Kherho	0.020	2.94972
17.	Udakishanganj	Construction of road from Kishanganj to Biriranpal with five years maintenance	0.110	8.49447
18.	Udakishanganj	L044-T04NH106UDA TO TINTANGA (VR31)	0.024	5.66868
19.	Udakishanganj	NH106 hareli to ramesh yadav ke ghar hotehu wevidyanand jha ke ghar ke aage Rampur khorha PWD road tak	0.099	5.06052
20.	Udakishanganj	Laxmipur - Majaura	0.483	11.09571

अनु0:–प्राक्कलन एक–एक प्रति में।

विश्वासभाजन,

20/04/22

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

Scanned with CamScanner