



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar



BIHAR RURAL ROAD DEVELOPMENT AGENCY (BRRDA)

F.D.R. PART - A (2021 - 22)

DETAILED ESTIMATE FOR F.D.R. RESTORATION WORK



DISTRICT :	Bhagalpur	BLOCK :	Navgachhiya
NAME OF ROAD :	RCD Road No.-14 (Lakshmipur) to Chhuttan tola Parwatta		

TOTAL LENGTH OF ROAD	:	1.055 km	KM
TOTAL COST OF FDR PART-A	:	0.660	LAKH
GST @ 12 %	:	0.079	LAKH
LABOUR CESS @ 1 %	:	0.007	LAKH
SEIGNIORAGE FEE @ 10 %	:	0.041	LAKH
TOTALCOST OF RESTORATION WORK	:	0.787	LAKH

Submitted By :-
Executive Engineer
 Rural Work Department
 Works Division, Navgachhiya

Inspection Report For Flood Damage Work

Date:- 25/01/2022

1. Name of PIUs - Executive Engineer R.W.D Navgachhia

2. Name of Block/ Road Navgachhia / RCD Road No.14 (Laxmipur) to Chhuttan Tola
Parwatta

A. For Road

1. Damage Location/Chainage CH - 0m to 10m, 452m to 458m, 530m to 550m, 645m to 661m, 680m to 700m, 865m to 867m
2. Damage length 0.074 K.m
3. Nature of Damage
4. Detail of Restoration Works
 - (i) Material being used in Restoration Works: Local Sand, E.C bag
 - (ii) Equipment's/ Tools Being used in Restoration Works:
 - (iii) Procedure Taken up in Restoration Works:
 - (iv) Restored Length: 0.074 K.m

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) Equipment's/ Tools Being used in Restoration Works:
 - (iii) Procedure Taken up in Restoration Works:
 - (iv) Restored Length:

C. Requirement Of New CD/Bridges

- (i) Name of Road:
- (ii) Location/ Chainage
- (iii) Type of CD Work/Length required

Notes:-

- Upload one Photograph of damaged portion if available
- Attach minimum Two Photograph (during restoration & after restoration) Photographs should be Geotags and at Least one Photo be captured in selfie mode.

Signature of JE/AE/EE

E.E.

Signature
(Name of Inspector)

प्रतिवेदन

पथ का नाम	:-	RCD Road No.-14 (Lakshmipur) to Chhuttan tola Parwatta
प्रखण्ड का नाम	:-	नवगछिया
प्रमंडल	:-	ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया।
अंचल	:-	ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर।
पथ की लंबाई	:-	1.055 कि०मी०
क्षतिग्रस्त पथ की लंबाई	:-	0.074 कि०मी०
प्राक्कलित राशि	:-	0.787 लाख।

प्रस्तुत प्राक्कलन वर्ष 2021 में आई बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों की तत्काल मरम्मत कर, यातायात पुनः बहाल करने हेतु प्राक्कलन तैयार किया गया है। प्राक्कलन का निर्माण अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार पटना के पत्रांक-मु०अ०-(मु०) विविध (कार्य) 23-291/2019-4275 दिनांक 22.10.2021 के आलोक में अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर के ज्ञापांक- 822 दिनांक 25.10.2021 आदेश एवं कार्यपालक अभियंता, नवगछिया के आदेश के अनुपालन में तैयार किया गया है।

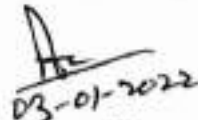
माह अगस्त-अक्टूबर-2021 को बाढ़ के कारण जगह-जगह पर रोडक्रस्ट में कटाव के साथ-साथ पथ का फलैक भी क्षतिग्रस्त होने से बचाने हेतु कार्य किया गया है।

अतः आपातकालीन प्रकृति के कार्य को देखते हुए इस क्षतिग्रस्त पथांश में आवश्यकता एवं उपलब्धतानुसार Sand Bags के द्वारा पथ के पुनःस्थापन का प्राक्कलन किया गया है। प्राक्कलन में मदों का दर वर्तमान अनुसूचित दर विश्लेषण पर आधारित है। प्राक्कलन में Contractor Profit एवं Over head charge नहीं जुड़ा हुआ है। SF का प्राक्कलन करते हुए GST एवं Labour cess को जोड़ा गया है।

अतः प्राक्कलन का तकनीकी अनुमोदन अपेक्षित है।



कनीय अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, नवगछिया



सहायक अभियन्ता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल, नवगछिया



कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, नवगछिया

मुख्य अभियंता-4 का कार्यालय ग्रामीण कार्य विभाग, पटना।

पत्रांक-मु030-4(मु0)विविध(कार्य)-23-291/2019-4275 पटना, दिनांक- 22/10/2021

प्रेषक,

अशोक कुमार मिश्रा,

अभियंता प्रमुख,

सेवा में,

सभी कार्यपालक अभियंता, कार्य प्रभंडल,

सभी अधीक्षण अभियंता, कार्य प्रभंडल,

सभी मुख्य अभियंता

विषय- EDR अंतर्गत मोटरबुल किए गए पथों के Time Line के संबंध में।

महाराज,

वर्ष 2021-22 में राज्य के ग्रामीण पथों में बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों का मोटरबुल कार्य प्रगति में है। उक्त कार्यों के सुचारु रूप से निष्पादन हेतु विभाग द्वारा Time Line निर्धारित किया गया है, जो निम्नवत है-

(1) वर्ष 2021-22 में राज्य में ग्रामीण पथों में बाढ़/अतिवृष्टि से क्षतिग्रस्त भाग में आकस्मिक रूप से मोटरबुल/व्यवस्थाधीन सुसंवाधन कार्य की चालविका लागू एवं आकस्मिक चाली MIS के EDR मोड्यूल में प्रविष्टि की अंतिम तिथि - 5 Nov.2021

(2) मोटरबुल कार्यों के प्रबंधन का निर्माण की अंतिम तिथि - 5 Nov.2021

(3) MIS पर प्रारंभिक एवं अंतरिम प्रविष्टि को 6 Nov.2021 को Lock कर दिया जाएगा जिसके बाद कोई भी प्रविष्टि की अनुमति नहीं दी जाएगी। ATR Module तकनीकी अनुमोदित प्रबंधन जॉब प्रतिवेदन Geotag Photograph इत्यादि की प्रविष्टि मान्य रहेगी।

(4) उक्त प्रबंधनों की विस्तृत जॉब विभाग द्वारा निर्धारित अंतिम कार्यपालक अभियंता से करायी जाएगी।

(5) जॉबित प्रबंधनों का तकनीकी अनुमोदित प्रारंभिक अधिकार से प्राप्त कर प्रशासनिक अनुमोदन की अवसर को लाई हेतु 30 Nov.2021 तक विभाग को समर्पित किया जाना है।

अतः अनुरोध है कि उक्त Time Line का दृढ़तापूर्वक अनुपालन सुनिश्चित किया जाय।

विश्वासार्थतापूर्वक

(अशोक कुमार मिश्रा)

अभियंता प्रमुख

822

आठानपुर/25.10.21

प्रतिपि:- कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रभंडल-आठानपुर
कटलगाँव, नवागढ़िया, बौद्ध-1 एवं बौद्ध-2 को सूचना एवं तत्काल
अनुपालनार्थ प्रेषित।

GENERAL ABSTRACT OF COST

Name of Road : RCD Road No.-14 (Lakshmipur) to
Chhuttan tola Parwatta

District : Bhagalpur

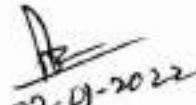
Length (Km) : 1.055 km

Block : Navgachhiya

Sl. No	Particulars		Details (Km)	Total Cost (in Rs.)
1	Cost of Road Restoration work	:		66,005.00
2	Add G.S.T @ 12 %	:		7,921.00
3	Add L.C. @ 1 %	:		660.00
4	Add 10% S.F. on Basic rate of Mines material	:		1036 4,087.00
	Total Cost of Restoration work	:		75622 78,673.00
			Say,	78,673.00

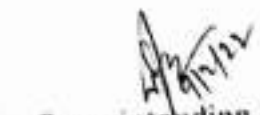
75,600.20


03/01/22
J. E.


03-01-2022
A. E.


10/01/2022
E. E.

Technically Sanctioned for Rs 75,600.20 (Rupees seventy five thousand six hundred) only.


Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur
09/02/22

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: RCD Road No.-14 (Lakshmipur) to Chhuttan tola Parwatta Block: Navgachhiya District: Bhagalpur Length : 1.055 km Km

Sl. No.	SSR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount (in Rs.)
1	5.7.53	Providing sand bag with sand and labour including cartage laying, filling etc all complete job as per specification and direction of E/I								
		As per attached "Annexure - B"					2150	/ bags	30.70	66,005.00
Total Cost of Flood Protective work =										66,005.00

[Signature]
03/01/22
J. E.

[Signature]
03-01-2022
A. E.

[Signature]
10/01/2022
E. E.

ANNEXURE - " B "

E. C. Bags Measurement

Name of Road : RCD Road No.-14 (Lakshmipur) to Chhuttan tola Parwatta

Length (Km) : 1.055 km

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)	Average Width (m)	Depth (m)	Average Depth (m)	Quantity (Cum)	Quantity (No of bag)
1	0 - 10.0	1	1.60	0.60	0.60	0.40	0.40	0.38	11
2		1	5.00	0.50	0.50	0.30	0.30	0.75	22
4	452 - 458.0	1	0.80	1.50	1.50	0.45	0.45	0.54	16
5		1	4.20	3.90	3.90	0.30	0.30	4.91	144
6	530 - 550.0	1	5.30	4.90	4.90	0.50	0.50	12.99	382
7		1	1.30	1.40	1.40	0.80	0.80	1.64	48
8		1	2.90	0.50	0.50	0.60	0.60	0.87	26
9		1	1.00	1.50	1.50	0.30	0.30	0.45	13
10	645 - 661.0	1	16.00	0.60	0.60	0.50	0.50	4.80	141
11	680 - 700.0	1	1.50	2.90	2.90	0.30	0.30	1.31	39
12		1	1.00	0.70	0.70	0.50	0.50	0.35	10
13		1	4.70	2.80	2.80	0.60	0.60	7.90	232
14		1	2.30	3.10	3.10	0.40	0.40	2.85	84
15		1	2.30	3.20	3.20	0.90	0.90	6.62	195
16		1	2.50	2.60	2.60	0.50	0.50	3.25	96
17	865 - 887.0	1	2.00	1.50	1.50	0.40	0.40	1.20	35
18	880 - 885.0	1	4.20	3.70	3.70	0.30	0.30	4.66	137
19		1	1.90	2.10	2.10	0.50	0.50	2.00	59
20	900 - 920.0	1	2.50	3.90	3.90	0.40	0.40	3.90	115
21		1	5.00	2.20	2.20	0.60	0.60	6.60	194
22		1	5.20	2.20	2.20	0.45	0.45	5.15	151
								Total =	2,150

S. F.	-	2150	Nos.	@	Rs.	4.82	x	10%	=	Rs.	1,037:00
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1036


03/01/22
J. E.


03-01-2022
A. E.


10/01/2022
E. E.

Carriage Cost of Material via Road

RWD, works Division, Bhagalpur

Name of Road :		RCD Road No.- 14 (Lakshmipur) to Chhuttan tola Parwatta										Block :		Nagachhiya		Total
Sl No	Item	Unit	Source	Pucka / Surface				Katcha				Carriage Cost & Lead in Km		Loading & Unloading Cost	Carriage By Road	
				8.00	7.47	83 Km	=	Rs 1080.63	8.00	18.09	10 Km	=	Rs 0.00	193.62	1274.25	1274.25
1	Stone Metal Gr-II/Via Road	Cum	Mirza Cheukhi	6.59			=		4.59			=				
2	Stone Metal Gr-III / GSB Via Road	Cum	Mirza Cheukhi	8.00	7.47	83 Km	=	Rs 994.00	8.00	18.09	10 Km	=	Rs 0.00	193.62	1187.62	1187.62
3	Stone Aggregate / Chips Via Road	Cum	Mirza Cheukhi	8.00	7.47	83 Km	=	Rs 994.00	8.00	18.09	10 Km	=	Rs 0.00	193.62	1187.62	1187.62
4	Stone Boulder /Via Road	Cum	Mirza Cheukhi	4.99			=		4.99			=				
5	Stone Boulder /Via Road	Cum	Mirza Cheukhi	8.00	7.47	83 Km	=	Rs 1033.35	8.00	18.09	10 Km	=	Rs 0.00	193.62	1226.97	1226.97
6	Coarse Sand/Via Road	Cum	Hannara	4.99			=		4.99			=				
7	Minoram/Via Road	Cum	Mirza Cheukhi	8.00	7.47	36 Km	=	Rs 431.13	8.00	18.09	10 Km	=	Rs 0.00	104.88	536.01	536.01
8	Bitumen Barauni/ Via Road	MT	Barauni	8.00	7.47	125 Km	=	Rs 826.68	8.00	18.09	10 Km	=	Rs 0.00	104.88	931.56	931.56
9	Bitumen Emulsion /Via Road	MT	Patnaka	8.00	7.47	212 Km	=	Rs 1583.64	8.00	18.09	10 Km	=	Rs 0.00	365.00	1298.75	1298.75
10	Local Sand	Cum	Local	8.00	7.47	2 Km	=	Rs 23.95	8.00	18.09	10 Km	=	Rs 29.00	104.88	157.83	157.83
11	Brick	0000 No	Local	8.00	7.47	7 Km	=	Rs 209.16	8.00	18.09	10 Km	=	Rs 72.36	441.62	723.14	723.14
12	Cement	MT	Local	8.00	7.47	7 Km	=	Rs 52.29	8.00	18.09	10 Km	=	Rs 0.00	317.64	369.93	369.93
13	Steel	MT	Local	8.00	7.47	7 Km	=	Rs 52.29	8.00	18.09	10 Km	=	Rs 0.00	337.70	389.99	389.99
14	Hume Pipe (1000 mm)	M	Godda	8.00	7.47	68 Km	=	Rs 406.37	8.00	18.09	10 Km	=	Rs 0.00	75.69	482.06	482.06
15	Hume Pipe (600 mm)	M	Godda	25.00			=		25.00			=		32.44	194.99	194.99
16	Hume Pipe (300 mm)	M	Godda	8.00	7.47	10 Km	=	Rs 67.73	8.00	18.09	10 Km	=	Rs 0.00	32.44	100.17	100.17
17	Bamboo	No	Kursela	8.00	7.47	42 Km	=	Rs 313.74	8.00	18.09	10 Km	=	Rs 0.00	317.64	631.38	631.38
18	Brick bats	Cum	Local	8.00	7.47	7 Km	=	Rs 209.16	8.00	18.09	10 Km	=	Rs 72.36	193.62	1274.25	1274.25
19	Klin Rubblish	Cum	Local	8.00	7.47	7 Km	=	Rs 209.16	8.00	18.09	10 Km	=	Rs 72.36	104.88	157.83	157.83

Rate Analysis

SDB Sl. No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs
4.5	Providing and Laying of Brick Bats				
	Placing tractor at loading point loading with front end loader dumpoing ,turning for return trip exluding time for haulage and return trip				
	Unit = cum				
	Taking output = 2.832 cum				
a)	Labour				
	Mazdoor (Unskilled)	day	2.17	292	633.64
b)	Materialas				
	Brick Bats	cum	2.83	1,051.00	2974.33
c)	Carriage				
	Cost for 5.5 cum = a+b+c	cum	2.83	475.14	1344.65
	Rate per cum = (a+b+c+d)/2.83	cum			4952.62
	Total per cum	cum			1750.04
5.7.9	Labour for fitting and fixing 62 mm to 75 mm dia bamboo runners in position at every verticle pile with 150 mm long nails or 38 swg G. I. wire including cost of G.I. or nails complete job as per specification and direction of E/I				1,750.04
	Unit = Per mt.				
	Taking Out Put = 30.50 m				
(i)	Materials				
	Cost of 150 mm long nails	Kg	0.50	61.74	30.87
(ii)	Labour				
	Carpenter Gr -II	No.	0.125	351	43.88
	Unskilled Labour	No.	0.25	292	73.00
	Rate for 30.5 m				147.75
	Rate for 1 m				147.75
(iii)	Bamboo(2nd class) 75mm dia, 1.8 - 2.5m long	m	1.00	23.58	23.58
	Rate per m			Say.	28.43
5.7.7	Labour for cutting 62 mm to 75 mm dia bamboo piles in size and making shoes and driving etc. complete bob as per specification and direction E/I.				
	Unit = Per m				
	Taking Out Put = 30.50 m				
	Assurning				
	20 no pile sunk 1.525 m deeps				
	Total depth sunk 30.50 m				
(i)	Labour				
	Carpenter Gr -II	No.	0.25	351	87.75
	Unskilled Labour for piling	No.	2.50	292	730.00
	Rate for 30.5 m				817.75
	Rate for 1 m				817.75
(ii)	Bamboo(2nd class) 75mm dia, 1.8 - 2.5m long	m	1.00	23.58	26.81
	Rate per m			Say.	23.58
					50.39
5.7.8	Labour for fitting and and fixing split bamboo woven chachari in position with 20 swg G.I. wire of 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.				
WRD	(Assuming strip of 3.05x3.05 = 9.30 sqm				
	Unit = per sqm				
	Taking Out = 9.30 sqm				

a	Labour				
	Carpenter Gr-II	No.	1.00	351	351.00
	Mazdoor (Unskilled) for piling	No.	1.00	292	292.00
b	Materials				
	75 mm to 100 mm long nails	kg	0.25	61.74	15.44
c	Bamboo(2nd class) 75mm dia, 1.8 - 2.5m long	m	11	23.58	259.42
					917.85
	Rate Per Sqm = (a+b+c)/9.30				98.69
10.7.40 WRD	Labour for filling Cement Bag, swing and laying materials Unit = Per Bag				
A	Supply Empty cement Bag with Sand (2.92+4.82)	No	100	7.74	774.00
	Stitching Roll (Nylon)	No	2	30.00	60.00
				Total (A)	834.00
B	Unskilled Labour for filling stitching and staking	No	1.67	292	487.64
	Unskilled Labour for carrying and Placing at work site	No	3	292	876.00
	Skilled Labour for stitching	No	0.33	370	122.10
	Total per bag			Total (B)	1,485.74
C	Hire charge of Machine				
	Hire charge of Stitching Machine	No	0.33	50	16.50
	Hire charge of Generator 3 K.V.A	No	2.67	74	197.58
	Total per bag			Total (C)	214.08
D	Carriage Cost of Local Sand				
	1.2 Cft = 0.034 m ³	cum	3.40	157.83	536.62
				Total (D)	536.62
	Total cost of (A+B+C+D) =	Bag			3,070.44
	Rate per Bag				30.70
4.1	Granular Sub-base with Well Graded Material (Table 400.1) (By mix in place method) For Grading II Material				
	Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader 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.				
(ii)	For Grading II Material				
	Unit = cum				
	Taking output = 300 cum				
a)	Labour				
	Mate	day	0.40	304.00	121.60
	Mazdoor (Skilled)	day	2.00	370.00	740.00
	Mazdoor (Unskilled)	day	8.00	292.00	2336.00
b)	Machinery				
	Tractor mounted grader arrangement for grading @ 100 cum per	hour	12.00	573.20	6878.40
	Three wheel 80-100 kN static roller @ 10 cum per hour	hour	12.00	803.00	9636.00
	Tractor with Rotavator 25 cum per hour	hour	12.00	573.20	6878.40
	Water tanker 6 kl capacity	hour	5.00	184.00	920.00
c)	Material				
	Well graded granular sub-base material as per Table 400.1				
	26.5 mm to 9.5 mm @ 35 per cent	cum	134.40	604.91	81299.90
	9.5 mm to 2.36 mm @ 25 per cent	cum	96.00	582.80	55948.80
	2.36 mm below @ 40 per cent - Local Sand	cum	153.60	514.58	79039.49
	Water	kl	30.00	40.00	1200.00
	Cost of GSB for 300 cum				244998.59
	A) Cost of GSB without carriage per cum	cum			816.66
e)	CARRIAGE				
	Carriage for GSB material	Cum	0.768	1187.62	912.09
	Carriage for material below 2.36 mm (Local Sand)	Cum	0.512	1187.62	608.06

	Rate per cum with carriage				2336.82
9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row				
1100	Providing 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 Clause 1106.				
A.	1000 MM DIA (Double Row)				
a)	Material				
	RCC NP3 pipe including collar	m	15.00	2755.50	41332.50
b)	Labour				
	Mate	day	0.22	304.00	66.88
	Mason (1st class)	day	0.60	351.00	210.60
	Mazdoor (Unskilled)	day	4.80	292.00	1401.60
	Cost for 7.5m = (a+b+c)				43011.58
	A) Basic Cost per m = (a+b+c+d)/7.5	m			5734.88
	<u>CARRIAGE COST</u>				
	NP3 Pipe	m	15.00	482.06	7230.90
	Carriage cost of 7.5 m				7230.90
	B) Carriage cost per m	m			964.12
	Rate per m = (A+B)	m			6699.00
B.	1000 MM DIA (Single Row)				
a)	Material				
	RCC NP3 pipe including collar	m	7.50	2755.50	20666.25
b)	Labour				
	Mate	day	0.09	304.00	27.36
	Mason (1st class)	day	0.25	351.00	87.75
	Mazdoor (Unskilled)	day	2.00	292.00	584.00
	Cost for 7.5m = (a+b+c)				21365.36
	A) Basic Cost per m = (a+b)/7.5	m			2848.71
	<u>CARRIAGE COST</u>				
	NP3 Pipe	m	7.50	482.06	3615.45
	Carriage cost of 7.5 m				3615.45
	B) Carriage cost per m	m			482.06
	Rate per m = (A+B)	m			3330.77
C.	600 MM DIA (Double Row)				
a)	Material				
	RCC NP3 pipe including collar	m	15	1582.72	23740.80
b)	Labour				
	Mate	day	0.04	304.00	12.16
	Mason (1st class)	day	0.12	351.00	42.12
	Mazdoor (Unskilled)	day	0.96	292.00	280.32
	Cost of 7.5m = (a+b+c+d)				24075.40
	A) Basic Cost per m = (a+b)/7.5	m			3210.05
	<u>CARRIAGE COST</u>				
	NP3 Pipe	m	15	194.99	2924.85
	Carriage cost of 7.5 m				2924.85
	B) Carriage cost per m	m			389.98
	Rate per m = (A+B)	m			3600.03
D.	600 MM DIA (Single Row)				
a)	Material				
	RCC NP3 pipe including collar	m	7.50	1582.72	11870.40
b)	Labour				
	Mate	day	0.04	304.00	12.16
	Mason (1st class)	day	0.12	351.00	42.12
	Mazdoor (Unskilled)	day	0.96	292.00	280.32
	Cost of 7.5m = (a+b+c+d)				12205.00
	A) Basic Cost per m = (a+b)/7.5	m			1627.33
	<u>CARRIAGE COST</u>				
	NP3 Pipe	m	7.5	194.99	1462.43

	Carriage cost of 7.5 m				1462.43
	B) Carriage cost per m	m			194.99
	Rate per m = (A+B)	m			1822.32
11.1	Local Sand filling in as per drawing and technical specification Clause 305.3.9				
	Sand filling				
	Unit = cum				
a)	Labour				
	Mate	day	0.01	304.00	3.04
	Mazdoor (Unskilled)	day	0.30	292.00	87.60
b)	Material				
	Sand (assuming 20 per cent voids)	cum	1.20	141.85	170.22
	Rate per cum = (a+b)				260.86
c)	Carriage Cost				
	Sand (assuming 20 per cent voids)	cum	1.20	157.83	189.40
	Rate per cum = a+b+c=	cum			450.26

Day
05/01/22
J.E.

A
03-01-2022
AE

R.
10/01/2022

Rural works Department, works Division, Navgachhiya

Photographs of Flood affected Road

Name of Road : RCD Road No.-14 (Lakshmipur) to Chhuttan tola District : Bhagalpur
 Parwatta
 Length (Km) : 1.055 km Block : Navgachhiya



[Signature]
 03/01/22
 J. E.

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 03-01-2022
 A. E.

[Signature]
 E. E.