



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 :	Bihpur
NAME OF ROAD :	Railway Crossing Sadanand Rai Bagicha to Daso Lal Pipar tola		

TOTAL LENGTH OF ROAD	:	1.500	KM
TOTAL COST OF FDR PART-A	:	4.208	LAKH
GST @ 12 %	:	0.505	LAKH
LABOUR CESS @ 1 %	:	0.042	LAKH
SEIGNIORAGE FEE @ 10 %	:	0.220	LAKH
TOTALCOST OF RESTORATION WORK	:	4.975	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 Nargachhia
2. Name of Block/ Road Bihpur / Railway crossing sadanand Rai Bagicha to Dasolal Pipar Tola

A. For Road

1. Damage Location/Chainage CH 362m to 363m, 381m to 391m, 449m to 470m, 479m to 501m, 627m to 632m
2. Damage length 0.081 km
3. Nature of Damage
4. Detail of Restoration Works
 - (i) Material being used in Restoration Works: Local sand, E.C Bag, Bamboo, Brick Batz
 - (ii) Equipment's/ Tools Being used in Restoration Works:
 - (iii) Procedure Taken up in Restoration Works:
 - (iv) Restored Length: 0.081 km

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	:-	Railway Crossing Sadanand Rai Bagicha to Daso Lal Pipar tola
प्रखण्ड का नाम	:-	बिहपुर
प्रमंडल	:-	ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया।
अंचल	:-	ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर।
पथ की लंबाई	:-	1.500 कि०मी०
क्षतिग्रस्त पथ की लंबाई	:-	0.081 कि०मी०
प्राक्कलित राशि	:-	4.970लाख।

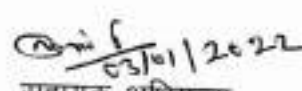
प्रस्तुत प्राक्कलन वर्ष 2021 में आई बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों की तत्काल मरम्मत कर, यातायात पुनः बहाल करने हेतु प्राक्कलन तैयार किया गया है। प्राक्कलन का निर्माण अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार पटना के पत्रांक-मु०अ०-(मु०) विविध (कार्य) 23-291/2019-4275 दिनांक 22.10.2021 के आलोक में 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 फलैंक 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 and Brick bats के द्वारा पथ के पुनःस्थापन का प्राक्धान किया गया है। प्राक्कलन में मर्दों का दर वर्तमान अनुसूचित दर विश्लेषण पर आधारित है। प्राक्कलन में Contractor Profit एवं Over head charge नहीं जुड़ा हुआ है। SF का प्राक्धान करते हुए GST एवं Labour cess को जोड़ा गया है।

अतः प्राक्कलन का तकनीकी अनुमोदन अपेक्षित है।


03/11/22
कनीय अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, बिहपुर


03/11/2022
सहायक अभियन्ता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल, बिहपुर


11/11/2022
कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, नवगछिया

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

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

प्रेषक

अशोक कुमार मिश्रा,
अभियंता प्रमुख,

सेवा में

सभी कार्यपालक अभियंता, कार्य प्रमंडल,
सभी अधीक्षण अभियंता, कार्य अंचल,
सभी मुख्य अभियंता

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

महोदय,

वर्ष 2021-22 में राज्य के ग्रामीण पथों में बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों का मोडरेटुल कार्य प्रगति में है। उक्त कार्यों की सूचीकृत रूप से निम्नांकित 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 मोडरेटुल/सम्पादी पुनर्स्थापन कार्य की मासविक सजाई एवं आकलित चर्च MIS के EDR मोड्यूल में प्रविष्टि की अंतिम तिथि - 5 Nov 2021
- (2) मोडरेटुल पथों के प्रावकलन का निर्माण की अंतिम तिथि - 5 Nov 2021
- (3) MIS पर प्रारम्भिक एवं अंतरिम प्रविष्टि को 5 Nov 2021 को Lock कर दिया जाएगा जिसके बाद कोई भी प्रविष्टि की अनुमति नहीं दी जाएगी। ATR Module तकनीकी अनुमोदित प्रावकलन जीएच डिलीवरी Geotag Photograph इत्यादि की प्रविष्टि मान्य रहेगी।
- (4) उक्त प्रावकलनों की विस्तृत जाँच विभाग द्वारा निर्धारित असंदेह कार्यपालक अभियंता से करायी जाएगी।
- (5) संबंधित प्रावकलनों का तकनीकी अनुमोदन सक्षम प्राधिकार से प्राप्त कर प्रशासनिक अनुमोदन की आवश्यकता निर्धारित हेतु 09 Nov 2021 तक विभाग को समर्पित किया जाना है।

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

विश्वीयतामान

(अशोक कुमार मिश्रा)

आज्ञापुर/25.10.21 अभियंता प्रमुख

822

प्रतिपि:- कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल-आज्ञापुर
कटवाँ, नवागढ़िया, बौंदा-1 एवं बौंदा-2 को सूचना एवं नकल के
अनुपालनार्थ प्रेषित।

GENERAL ABSTRACT OF COST

Name of Road : Railway Crossing Sadanand Rai District : Bhagalpur
Bagicha to Daso Lal Pipar tola
Length (Km) : 1.500 Block : Bihpur

Sl. No	Particulars		Details (Km)	Total Cost (in Rs.)
1	Cost of Road Restoration work	:		420,761.00
2	Add G.S.T @ 12 %	:		50,491.00
3	Add L.C. @ 1 %	:		4,208.00
4	Add 10% S.F. on Basic rate of Mines material	:		22,004.00
	Total Cost of Restoration work	:		497,464.00
			Say,	497,464.00

4,97,500.20

Ans
03/01/22

J.E.

Ans
03/01/2022
A.E.

R
10/01/22

E.E.

Technically Sanction for Rs 4,97,500.20 (Rupees four lac ninety seven thousand four hundred and twenty).

Ans
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

Ans
09/01/22

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: Railway Crossing Sadanand Rai Bagicha to Dase Lal Piparola Block: Bihpur District: Bhagalpur Length : 1.500 Km

Sl. No.	SSR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount (in Rs.)
1	4.5	Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm. thick including cost of light, barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I excluding carriage cost of bricks.								
		As per attached " Annexure - A "					198.18			
							198.18	Cum	1677.54	332,455.00
2	5.7.7	Rate for cutting 62 mm to 75 mm dia bamboo pile to size and making shoes and driving etc. all complete job as per specification and direction of E/I								
			30	2.50			75.00			
			30	2.50			75.00			
			4	2.50			10.00			
							160.00	m	56.39	8,062.00
3	5.7.9	Rate for fitting & fixing 62mm to 75 mm dia bamboo runners in position at every vertical piles with 150 m long nails or 38 swg G.I. wire including cost of G.I. or nails all complete job as per specification and direction of E/I								
			3	30			90.00			
			3	30			90.00			
			3	4			12.00			
							192.00	m	28.43	5,459.00
4	5.7.53	Providing sand bag with sand and labour including carriage laying, filling etc all complete job as per specification and direction of E/I								
		As per attached " Annexure - B "					2436	/ bags	30.70	74,785.00
							Total Cost of Flood Protective work =			420,761.00

J.E.
03/10/22

A.E.
03/10/22

E.E.
11/10/22

ANNEXURE - " A "

Brick Bat Measurement

Name of Road : Railway Crossing Sadanand Rai Bagicha to Daso Lal Pipar tola

Length (Km) : 1.500

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (m)	Depth (m)			Average Depth (m)	Quantity (Cum)
1	0 - 2	1	1.80	1.30			1.30	0.40			0.40	0.94
1	351 - 358	1	6.80	2.50			2.50	0.60			0.60	10.20
1	362 - 369	1	7.00	1.30			1.30	0.80			0.80	7.28
1	381 - 391	1	10.00	4.30			4.30	1.00			1.00	43.00
1	449 - 470	1	21.00	3.20			3.20	0.70			0.70	47.04
1	479 - 501	1	22.00	3.20			3.20	0.80			0.80	56.32
1	501 - 508	1	7.00	4.00			4.00	1.00			1.00	28.00
1	627 - 632	1	4.50	1.50			1.50	0.80			0.80	5.40
											Total =	198.18

S. F.	-	198.18	Cum	@	Rs.	1051.00	x	10%	=	Rs.	20,829.00
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[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 : Railway Crossing Sadanand Rai Bagicha to Daso Lal Pipar tola

Length (Km) : 1.500

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)	Average Width (m)	Depth (m)	Average Depth (m)	Quantity (Cum)	Quantity (No of bag)
1	563 - 593.0	1	30.00	1.20	1.20	1.20	1.20	43.20	1271
2	593 - 623.0	1	30.00	1.20	1.20	1.00	1.00	36.00	1059
3	623 - 627.0	1	4.00	1.00	1.00	0.90	0.90	3.60	106
								Total =	2,436

S. F.	-	2436	Nos.	@	Rs.	4.82	x	10%	=	Rs.	1,175.00
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Jeans
03/10/22
J. E.

Amir
23/01/2022
A. E.

R
10/10/22
E. E.

Carriage Cost of Material via Road

RWD, works Division, Bhagalpur

Name of Road :		Railway Crossing Sadanand Rai Bagicha to Daso Lal Pipar tola										Block :	Bihpur	Carriage	Total
Sl No	Item	Unit	Source	Carriage Cost & Lead in Km										By Road	
				Pucha / Surface					Katcha						
				8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59		
1	Stone Metal Gr-II/Via Road	Cum	Mirza Chouki	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	1274.25	1274.25
2	Stone Metal Gr-III / GSB Via Road	Cum	Mirza Chouki	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	1187.62	1187.62
3	Stone Aggregate / Chips Via Road	Cum	Mirza Chouki	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	1187.62	1187.62
4	Stone Boulder /Via Road	Cum	Mirza Chouki	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	1226.97	1226.97
5	Coarse Sand/Via Road	Cum	Hammara	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	536.01	536.01
6	Mooram/Via Road	Cum	Mirza Chouki	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	931.56	931.56
7	Bitumen Barauni/ Via Road	MT	Barauni	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	1298.75	1298.75
8	Bitumen Emulsion /Via Road	MT	Fatuha	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	1948.64	1948.64
9	Local Sand	Cum	Local	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	157.83	157.83
10	Brick	1000 No/Local	Local	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	723.14	723.14
11	Cement	MT	Local	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	369.93	369.93
12	Steel	MT	Local	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	389.99	389.99
13	Hume Pipe (1000 mm)	M	Godda	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	482.06	482.06
14	Hume Pipe (600 mm)	M	Godda	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	194.99	194.99
15	Hume Pipe (300 mm)	M	Godda	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	100.17	100.17
16	Bamboo	Nos	Kursela	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	369.93	369.93
17	Brick bats	Cum	Local	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	1274.25	1274.25
18	Klin Rubbish	Cum	Local	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	8.00	4.59	157.83	157.83

10/01/2022

22/03/2022

Executive Engineer

Junior Engineer

Assistant Engineer

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	2.832	1,051.00	2976.43
c)	Carriage				
		cum	2.832	402.80	1140.73
	Cost for 5.5 cum = a+b+c				4750.80
	Rate per cum = (a+b+c+d)/2.83	cum			1677.54
	Total per cum	cum			1,677.54
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				
	Unit = Per mt.				
	Taking Out Put = 30.50 m				
(i)	Materials				
	Cost of 150 mm long nails				
(ii)	Labour	Kg	0.50	61.74	30.87
	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			23.58	23.58
				Say.	50.39
5.7.8 WRD	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.				
	(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
	Stiching 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 Stiching 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 cost of (A+B+C+D) =	Bag		Total (D)	536.62
	Rate per Bag				3,070.44
					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	0.76C	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
	CARRIAGE COST				
	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
	CARRIAGE COST				
	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
	CARRIAGE COST				
	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
	CARRIAGE COST				
	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

Geet
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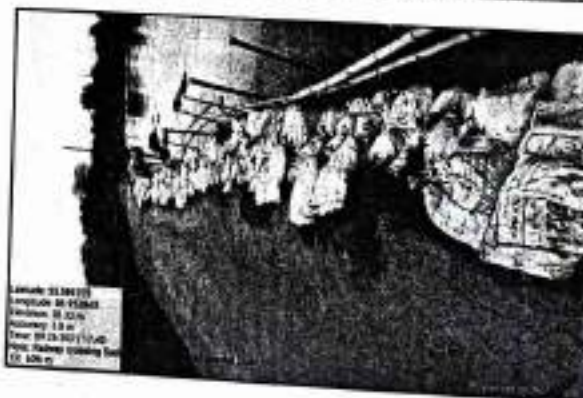
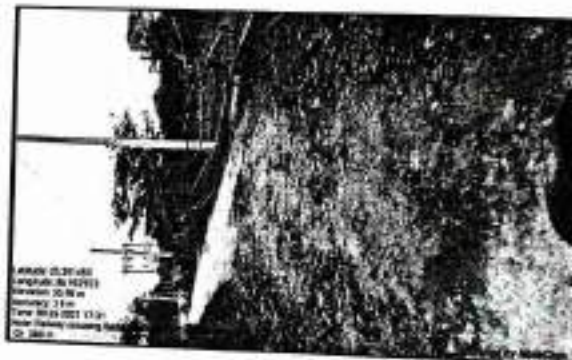
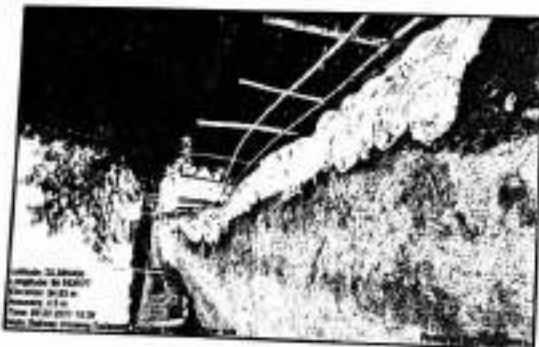
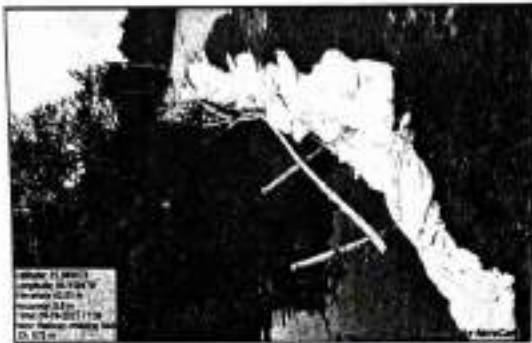
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Rural works Department, works Division, Navgachhiya

Photographs of Flood affected Road

Name of Road : Railway Crossing Sadanand Rai Bagicha to Daso Lal District : Bhagalpur
 Pipar tola
 Length (Km) : 1.500 Block : Bihpur



J.E.
 03/01/22

A.E.
 03/01/2022

E.E.
 10/01/22