



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

DETAILED PROJECT REPORT

YEAR (2020 - 2021)

FLOOD DAMAGED REPORT (FDR)

STATE BIHAR
DISTRICT Siwan
BLOCK Nautan

SEMARIA TO GOPALGANJ BORDER VIA GALIMAPUR,SIKUARA

TOTAL LENGTH OF ROAD	:- 3.00km
DAIMAGE LENGTH OF ROAD	:- 12 M
TOTAL COST OF CONSTRUCTION	:- Rs. 0.6616 Lakhs
TOTAL COST OF PROJECT	:- Rs. 0.6616 Lakhs

SUBMITTED BY:
EXECUTIVE ENGINEER
RWD WORKS DIVISION, SIWAN-2

Inspection Report for flood Damage Work

Date

1. Name of PIUs :-

Name of Block / Road :- Semaria to Gopalganj border via Galimapur Sikuan

A For Road

1. Damage Location / Chainage :- ch - 1200 m

2. Damage Length :- 12 m

3. Nature of Damage :- Heavy Rain/flood

4. Details of Restoration Works :-

i. Material being used in Restoration Works :- Earth work, Brick bats, RCC pipes of dia 1000 mm

ii. Equipments / Tools being used in Restoration Works :- JCB, Roller, Tractor, shovel, Funds

iii. Procedure taken up in Restoration Works :- Yes

iv. Restored Length :- 12 m

B For Bridge

10/11

1. Damage Location / Chainage

2. Damage Length :-

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 :-

10
24/12/20
J-E

200
24/12/20
A-E

100
24/12/20

100
28/12/20
(Ajay K. Timari)
Executive Engg.
Gopalganj-I. Div.
Rural Works Deptt.

Flood Damaged Report(FDR)

YEAR (2020 - 2021)

GENERAL ABSTRACT OF COST

Block:- nautan

District:- Siwan

Length of Road:- 3.00 KM

Name of Road:- semariya se gopalganj border via galimapur , sikuara

SL. No.	Item of Work	Amount
A	COST OF CONSTRUCTION	0.789 L 0.5856 Lakhs
	ADD LABOUR CESS 1 % ON (A)	0.008 0.006 Lakhs
	ADD GST 12 % ON (A)	0.095 0.070 Lakhs
	TOTAL COST OF CONSTRUCTION	0.6616 Lakhs
		0.892 L
	TOTAL	0.6616 Lakhs

30/11/20

Junior Engineer

30/11/20

Asstt. Engineer

30/11

Executive Engineer

Technically Approved for Rs 0.892 L (Eighty Nine Thousand & Two Hundred rupees)

13/11/21
Superintending Engineer
RWD Work. Circle-Siwan

11/11/21

प्रतिवेदन

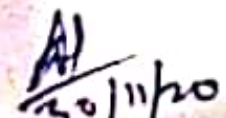
पथ का नाम - सिमरिया से गोपालगंज बार्डर भाया गलिगापुर, शिकुआरा

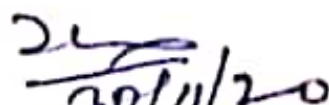
अतिवृष्टि और बाढ़ के कारण माह अगस्त-सितम्बर २०२० में उक्त पथ में एक H.P. कल्भर्ट क्षतिग्रस्त हो गया जिसके चलते आवागमन बिल्कुल अवरुद्ध हो गया था। अक्टूबर-नवम्बर में विधान सभा चुनाव के चलते जिला पदाधिकारी, सिवान के द्वारा बैठक में निर्देश दिया गया कि बाढ़ में क्षतिग्रस्त पथों और पुलियों का शीघ्र मरम्मत कर आवागमन चालू किया जाय। कार्यपालक अभियंता RWD SIWAN -2 के द्वारा निरीक्षण कर कनीय अभियंता और सहायक अभियंता को शीघ्र आवागमन चालू कराने का निर्देश दिया। अतः स्थल पर कार्य पूर्ण कर आवागमन चालू कर दिया गया।

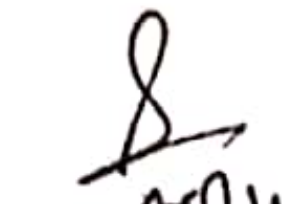
उक्त कार्य का बाढ़-क्षतिग्रस्त के तहत FDR शीर्ष में प्राक्कलन तैयार किया गया है। प्राक्कलन में निम्न प्रावधान किया गया है - क्षतिग्रस्त अंश पर 1 मीटर व्यास का एक पाइप रखकर बगल से सैंड बैग रखकर मिट्टी भराई करके brick bats filling कर दिया है। उक्त कार्य कि प्राक्कलित राशि : 0.6616 लाख रुपये है। प्राक्कलन में दर वर्तमान schedule rate पर आधारित है।

अतः अनुरोध है कि उक्त प्राक्कलन को स्वीकृत करने की कृपा की जाय ताकि मजदूरों का भुगतान और सामग्री का भुगतान किया जा सके।

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30/11/20
कार्यो आगो


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30/11/20
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DETAILED ESTIMATE FOR PAVEMENT

SL No.	SDB SL NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
SUB HEAD : EARTHWORK											
1	3.4	301.5	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a <u>lead upto 1000 m & 100 m</u> as per Technical Specification Clause 301.5. (Including Labour Cess).								
			At breach		1	8.00	6.00	1.50	72.00		
					1	4.00	3.00	1.20	14.40		
			For 1000 m lead	Cum				Total	86.40	190.57	16465.00
											
2	OLD SOR	8.1.3.2	Brick Bats								
			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 including carriage cost of bricks.								
			At breach		1	8.00	6.00	0.300	14.40		
					1	4.00	3.00	0.300	3.360		
			brickbat laying below pipe		1	2.50	1.50	0.450	1.688	2412.11	47400 =
								Total	19.688	1661.35	32,708.00
3	9.3B		Providing and laying RCC pipe NP.3 for culverts on first class bedding of PCC M10 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 as per clause 1106								
				1	x	2.50		=	2.50	2733.55	6834
										3,758.05	9395.00
TOTAL COST											70789 = 58,568.00

Name of Road:--

Main road to Nautan path to Kurmanta

Analysis for Carriage by Road & Rail

District:-	Item with Source	Unit	Source	Block:- Nautan		Type of Road	Per Ton. Km by		Per Ton. Km by Truck
				Pucka / Surface	Katcha		Tipper	Truck	
Local Sand		Cum	Local	8.00	8.00	For Surface Road	8.40	7.52	Rs. 159.46
				4.99 x 7.52 x 2.00 Km = Rs 24.11	4.99 x 18.19 x 1.00 Km = Rs 29.16	Heavy Surface Gravel Road	10.10	9.04	
						Katcha Road	20.30	18.19	
							Carriage Cost by Road	Total	
Brick		1000 Nos	Local	3.00	3.00		106.19		
				2.00 x 7.52 x 7.00 Km = Rs 210.56	2.00 x 18.19 x 1.00 Km = Rs 72.76		446.72		Rs. 710.04
Cement		MT	Local	8.00	8.00		322.54		Rs. 435.34
				8.00 x 7.52 x 15.00 Km = Rs 112.80	8.00 x 18.19 x 0.00 Km = Rs 0.00				
House Pipe (1000 mm)		m	Local	10.00	10.00		76.58		Rs. 407.46
				10.00 x 7.52 x 55.00 Km = Rs 330.88	10.00 x 18.19 x 0.00 Km = Rs 0.00				

30/11/20
J.E.

30/11/20
A.E.

30/11/20

Analysis of Rates (FORMAT F8)

No.	SDB Sl. No.	MORD Ref	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1	3.4	302 (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	day	0.04	305.00	12.20
			Mate	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	3288.56
			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 @ 200 cum per hour	hour	0.50	3,337.90	1,668.95
			Tractor mounted grader arrangement @ 25 cum per hour	hour	1.00	591.40	591.40
			Water tanker 6 kl capacity	hour	2.00	184.00	368.00
			Three wheel 80-100 kN Static Roller @ 80 cum per hour	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)	Over Heads @ 6% on (a+b+c)				980.62
		e)	Contractors Profit @ 10% on (a+b+c+d)				1732.43
			Cost for 100 cum = a+b+c+d+e				19,056.77
			Rate per cum = (a+b+c+d+e)/100 =				190.57
2	OLD SOR	8.1.3.2	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 including carriage cost of bricks. (iii) Unit = cum Assuming- 2.832 Cum				
		a)	Cost of brick bat	cum	2.832	1017.00	2880.14
			Labour (Unskilled)				
			i) Carrying, spreading, laying & Packing	nos	1.50	287.00	430.50
			ii) Compaction brick bats with C.I Hammer,	nos	0.67	287.00	192.29
			Over Heads @ 6 % on (a+b+c)				210.18
			C. Profit @ 10 % on (a+b+c+d)				371.31
		d)	Cost for 2.832 cum = a+b+c+d				4084.42
		e)	Rate Per cum = (a+b+c+d)/2.832	cum			1442.24
			<u>CARRIAGE</u>				
			Carriage for Brick (1 cum Bats = 300 nos Bricks)	nos	0.300	730.04	219.12
			Rate per cum with carriage				1661.35
			Total Cost	CUM			1,661.35
23 (II)	9.3	1100 B	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row 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. 1000 MM DIA Unit = m Taking output = 7.5 m (3 pipes of 2.5 m length each)				
		a)	Material				
			i) Sand	cum	0.04	141.85	5.67
			ii) Cement	ton	0.03	4811.60	144.35
			iii) RCC pipe NP 3 pipe including collar	m	7.50	2758.22	20686.65
		b)	Labour				
			Mate	day	0.09	305.00	27.45
			Mason (1st class)	day	0.25	388.00	97.00
			Mazdoor (Unskilled)	day	2.00	287.00	574.00
		c)	Over Heads @ 6% on (a+b)				1292.11
		d)	Contractors Profit @ 10% on (a+b+c)				2282.72
			Cost for 7.5m = (a+b+c+d)				25109.95
			Rate per m = (a+b+c+d)/7.5				3347.99
			<u>Carriage Cost</u>				
			Cement	ton	0.0040	435.34	1.74
			Sand	cum	0.0053	159.46	0.85
			Hume Pipe culvert	m	1.00	407.46	407.46
			Total Cost				3,758.05

पथ का नाम - खेमरिया से जीवालजंज बौडर भाया जालिमापूर सिमुआरा
 शोर्स - FDR



बाद से क्षतिग्रस्त अवस्था



मरम्मत के बाद की अवस्था

प्रति
 28/12/20
 J.E.

प्रति
 28/12/20
 A.E.

प्रति
 28/12/20