



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

2020-21

FLOOD DAMAGED REPORT



Temporary Restoration of flood Damaged in Road from Jamalpur To Sawari via Khiriwan at change 2.5 km from Jamalpur

DISTRICT	:-	Rohtas	
DIVISION	:-	Rohtas- 2	
BLOCK	:-	Nasriganj	
TOTAL LENGTH OF FLOOD DAMAGED	:-	0.020	KM
TOTAL COST OF TEMPORARY RESTORATION WORK OF FLOOD DAMAGED	:-	1.876	Lac
TOTAL COST OF TEMPORARY RESTORATION	:-	1.876	Lac

तकनीकी प्रतिवेदन

कार्य का नाम:- जमालपुर सवारी पथ भाया खिरियाँव पथ के 2.5 कि०मी० (जमालपुर तरफ से)पर 2020-21 में बाढ़ के कारण पथ के फलैंक में हुए कटाव का अस्थायी मरम्मति कार्य का प्राक्कलन।

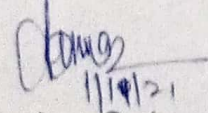
प्रखंड का नाम :- नासरीगंज
कटाव का मापी :- 20m×5.0m×7.5m
प्राक्कलित राशि :- 187600.00

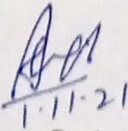
प्रस्तुत प्राक्कलन जमालपुर सवारी पथ भाया खिरियाँव पथ के ch 2.5 कि०मी० (जमालपुर तरफ से) पर हुए कटाव का किये गये अस्थायी मरम्मति कार्य का है। उक्त पथ में 2020-21 में अतिवृष्टि एवं बाढ़ के कारण कटाव हो गया था जिससे आवागमन बाधित हो चुका था। अतः तत्काल अस्थायी मरम्मति कार्य करना आवश्यक हो गया था। प्राक्कलन में निम्न प्रावधान किया गया है।

- (1) Geo Bag में बालू भरकर 20m×5.0m×7.5mमें विछाने का प्रावधान है।
- (2) इसके बाद 20m×5.0m×7.5m में मिट्टी भरने का प्रावधान है।

उक्त स्थान पर चार vent का 1000mm dia.का HP Culvert है जिसका Head wall गिर गया है। पानी का बहाव निरन्तर है। जिससे भी कटाव होता है। तत्काल उपरोक्त अस्थायी मरम्मति कार्य करा दिया गया है। प्राक्कलन की राशि 187600.00/-रुपया मात्र है। प्राक्कलन के मदों का दर वर्तमान अनुसूचित दर के अनुरूप है।

उक्त स्थान पर स्थायी तौर पर Retaining wall-cum-1000mm dia.का HP Culvert की आवश्यकता है। तत्काल किये गये अस्थायी मरम्मति कार्य का प्राक्कलन स्वीकृति हेतु समर्पित की जाती है।


कनीय अभियंता
ग्रामीण कार्य विभाग.
कार्य प्रमंडल, सासाराम-2


सहायक अभियंता
ग्रामीण कार्य विभाग.
कार्य प्रमंडल, सासाराम-2

कार्यपालक अभियंता
ग्रामीण कार्य विभाग.
कार्य प्रमंडल, सासाराम-2

FLOOD DAMAGED REPORT

GENERAL ABSTRACT OF COST

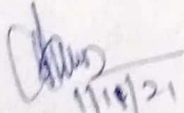
Block:- Nasriganj

District:- Rohtas

Size of Flood Damaged :- 0.020 KM

Name of Road:- Temporary Restoration of flood Damaged in Road from Jamalpur To Sawari via Khiriwah at change 2.5 km from Jamalpur

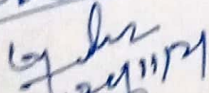
SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION	1.876 Lacs
	TOTAL	1.876 Lacs


Junior Engineer


Asstt. Engineer

Executive Engineer

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RWD, Bithur

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RWD

GENERAL ABSTRACT OF COST FOR FDR ROAD

NAME OF ROAD : Temporary Restoration of flood Damaged in Road from Jamalpur To Sawari via Khiriwah at change 2.5
km from Jamalpur
DISTRICT Rohtas
BLOCK Nasriganj
DIVISION Rohtas- 2
flood Damage Length= 20 m Flank Side
CD STRUCTURES
HUME PIPE 0
CROSS DRAINAGE 0
BOX CELL CULVERT 0
CAUSEWAY / MINOR BRIDGE 0

Sl. No.	DESCRIPTION	Amount	1 % Labour Cess	12 % GST	1% Labour Cess & 12% GST AMOUNT (LAKHS)
PART-A INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL					
1	EARTHWORK	1.344	0.013	0.161	1.519
2	Geo Bags	0.317	0.003	0.038	0.358
	SUB TOTAL OF SURFACE RENEWAL	1.661	0.017	0.199	1.876
TOTAL COST OF PROJECT IN LACS =		1.661	0.017	0.199	1.876

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Name Of Work = Temporary Restoration of flood Damaged in Road from Jamalpur To Sawari via Khiriwah at chnage 2.5 km from Jamalpur

Flood Damage Lengths = 20 m Flank Side

S. No.	Sl. No.	MORD Ref No	Description	Unit	NO.	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
1	3.1.4	303.1	Construction of Subgrade and Earthen Shoulders								
			Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.								
				Cum	1	20.00	5.00	7.50	750.00		
			Deduction for Geo Bag	Cum					181.50		
			Deduction for HPC	Cum	1	4.00	3.530		14.12		
			For 1000 m lead @ 100 %	Cum					554.38	242.40	1,34,382.00
									A) SUB TOTAL OF CRUST =		1,34,382.00
2	5.7.54		Providing & laying Geo bags of size 1m x 0.70 m (Type A 300 GSM non woven) weight of bag 429 gm volume of filled bag 0.07 cum weight of filled Geo bag 126 kg with local sand including stitching in four lines by approved Nylon thread with stitching machine and generator stitching and pacing after loading, unloading and carriage with the help of Trolley within 150 m lead, including cess, all complete job as per specification and direction of E/I (5.7.54)								
				Cum	1	11.00	3.00	5.500	181.500	174.51	31,674.00
									B) SUB TOTAL OF CRUST =		31,674.00
									TOTAL COST OF PAVEMENT IN RS. (A+B+C+D)=		1,66,056.00
									1% Labour Cess		1,660.56
									12% GST		19,926.72
									Total		1,87,643.28

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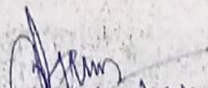
Analysis of Rates (FORMAT F8)

SDB SL No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
2	3.40	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	321.00	12.84
		Mate	day	1.00	304.00	304.00
		Mazdoor (Unskilled)				
	b)	Machinery				
		Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour	hour	1.67	2702.00	4512.34
		Tipper 5.5 cum with 10 t capacity	hour	4.50	1183.00	5323.50
		Add 10 % of the cost of carriage by tipper				532.35
	c)	Material				
		Water	kl	12.00	40.00	480.00
		Compensation for earth taken from private land	cum	100.00	34.82	3482.00
	d)	Overheads @ 12%				2361.00
	e)	Contractor's profit @ 10% on (a+b+c+d)				2203.60
		Cost for 100 cum = a+b+c+d+e				24239.58
		Rate per cum = (a+b+c+d+e)/100=				242.40
		Total Cost	CUM			242.40

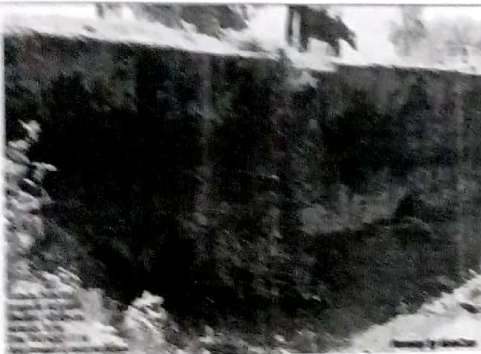
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1	5.7.54	Providing & laying Geo bags of size 1m x 0.70 m (Type A 300 GSM non woven) weight of bag 420 gm volume of filled bag 0.07 cum weight of filled Geo bag 126 kg with local sand including stitching in four lines by approved Nylon thread with stitching machine and generator stitching and pacing after loading unloading and carriage with the help of Trolley within 150 m lead. including cess, all complete job as per specification and direction of E/I (5.7.54) Unit = Each Assuming output of filling & stitching of 40 nos of Geo bag per day				
	a)	Labour				
		Mate	nos	0.26	261.00	67.8
		Mazdoor (Skilled)	nos	0.33	261.00	86.1
		Mazdoor (Unskilled) For Carriage & placing at worksite	nos	4.00	242.00	968.0
		Mazdoor (Unskilled) for filling & stacking	nos	2.00	242.00	484.0
	b)	Machinery				
		Hire charge of Stitching Machine	Per Day	0.33	50.00	16.5
		Hire Charge of Manual Trolley	day	1.00	50.00	50.0
		Hire to 3 KVA Gen	hour	2.67	74.00	197.5
	c)	Material				
		Geo bag	nos	40.00	93.40	3736.0
		Stitching Roll (Nylon)	nos	2.00	30.00	60.0
	d)	Overheads @ 12%				679.9
	e)	Contractor's profit @ 10% on (a+b+c+d)				634.6
						6980.6
			cum			174.51


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2.3	<u>Site Photographs</u>		
NAME OF ROAD : Temporary Restoration of flood Damaged in Road from Jamalpur To Sawari via Khiriwah at chantage 2.5 km from Jamalpur			
DISTRICT ; Rohtas		BLOCK : Nasriganj	
1		2	
3		4	
5		6	

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