

GOVERNMENT OF BIHAR
RURAL WORKS DEPARTMENT



Name of work : Deepnagar to Belwari

District : Araria

Block : Palasi

FDR (2021-22)

Restoration Cost of Road	: Rs. 10.774 Lacs
1% L.Cess of Rest. Cost	: Rs. 0.108 Lacs
12% GST of Rest. Cost	: Rs. 1.293 Lacs
Seigniorage Fee	: Rs. 0.409 Lacs
Total Restoration Cost including Labour Cess & GST	: Rs. 12.584 Lacs

R.W.D, WORKS CIRCLE, KISHANGANJ

R.W.D, WORKS DIVISION, ARARIA

ग्रामीण कार्य विभाग
बिहार, सरकार

पत्रांक - मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/07/2021

प्रेषक,

पंकज कुमार पाल (भा0प्र0रो0)
सचिव

सेवा में,

सभी कार्यपालक अभियंता
ग्रामीण कार्य विभाग,

विषय- बाढ़ अतिवृष्टि से क्षतिग्रस्त पथों/पुलियों को यातायात लायक (Motorable) करने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में निदेश दिया जाता है कि प्रमंडल अन्तर्गत सभी अभियंता बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों का शत प्रतिशत निरीक्षण करेंगे। पथों/पुलियों के क्षतिग्रस्त भाग से पानी उतरते ही उसे यातायात लायक बनाने की कारवाई एवं Motorable किये जाने से पहले तथा Motorable कार्य के बाद का Real time, Geo tagged photographs को MIS पर तत्क्षण अपलोड किया जाना सुनिश्चित करेंगे। इन कार्यों को कराने हेतु कार्यपालक अभियंता पूर्ण रूप से जिम्मेवार होंगे। कार्य न कराने की स्थिति में उनके विरुद्ध अनुशासनिक कार्रवाई की बाध्यता होगी।

विश्वासभाजन

(पंकज कुमार पाल)

सचिव

ज्ञापांक- मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/7/2021

प्रतिलिपि:-सभी अधीक्षण अभियंता को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। साथ ही उन्हें निदेश दिया जाता है कि वे लगातार अनुश्रवण एवं निरीक्षण करते हुए क्षतिग्रस्त भाग को अतिशीघ्र यातायात लायक बनवाने की कार्रवाई सुनिश्चित करेंगे।

सचिव

ज्ञापांक-मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/7/2021

प्रतिलिपि:-सभी मुख्य अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं लगातार अनुश्रवण करने हेतु प्रेषित।

सचिव

Inspection Report for Flood Damage Work

Name of PIUs

: EE RWD Araria.

Name Of Block / Road

: Deepnagar to Bellwari, Palasi

For Road

Damage Location / Chainage

: 650, 900, 1580

Damage Length

: 50 M.

Nature Of Damage

: flood.

Details Of Restoration

: Temporary Restoration.

Material Being Used In Restoration

: Brick Bat, Ec bag, bamboo, Humpipe.

Equipment / Tools Being Used In Restoration Works

: JCB, Tractor

i) Procedure Taken Up In Restoration Works

: Manually

Restored Length

: 50 M

For Bridge

Damage Location / Chainage

:

Damage Length

:

Nature Of Damage

:

Details Of Restoration

:

Material Being Used In Restoration

:

Equipment / Tools Being Used in Restoration Works

:

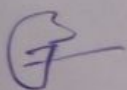
Procedure Taken Up In Restoration Works

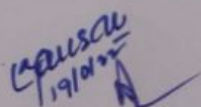
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Restored Length

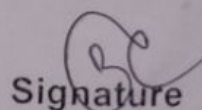
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'S' (Satisfactory)




19/10/22

Signature of JE / AE / EE


Signature

Executive Engineer
(Name Of Inspector)
R.W.D. (W) Inspector
Kishanganj-2

FDR (2021-22)
GENERAL ABSTRACT OF COST

Name of Road : Deepnagar to Belwari
District : Araria
Block : Palasi
Cutting Chainage (M) : Ch-650, 900, 1050 & 1580

Sl. No.	Item of work	Amount (In Rs.)
1	Filling of Local Sand	2,71,310.00
2	Labour for cutting 62mm to 75mm dia Bamboo	33,212.00
3	Labour for fitting & fixing 62mm to 75mm dia Bamboo runner	3,084.00
4	Supply of EC bag of Local Sand	61,003.00
5	Supply & Carriage of Brick Bats	6,75,556.00
6	Supply, laying and carriage of 1000mm dia HPC	33,188.00
a	Sub Total Cost of Work :	10,77,353.00
b	1% L.cess of Total Cost :	10,774.00
	12% GST of Total Cost :	1,29,282.00
	Seigniorage Fee	40,920.00
d.	Total Cost of Work	12,58,329.00

[Signature]
28/4/22
Junior Engineer RWD
Works Sec. Palasi
(Araria)

[Signature]
28/4/22
Assistant Engineer
RWD Works Section
Palasi (Araria)

[Signature]
28/4/22
Executive Engineer
RWD Works Div.
Araria

RECEIVED NO. 1457 DATE 28-04-2022

Technically Sanctioned by Supretending Engineer
RWD Circle, Kishanganj 12.58329

(Rupees) Twelve lakh fifty eight thousand

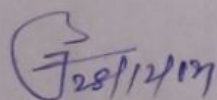
Three hundred Twenty Nine only

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29/4/22

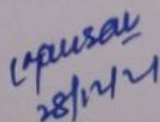
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29/4/22
अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, किशनगंज

BILL OF QUANTITY

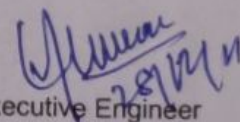
Name of Road:		Deepnagar to Belwari			
Block:		Palasi			
District:		Araria			
Division:		R.W.D ,Araria			
Sl No.	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.	Cum	527.40	514.43	271310.00
2	Labour for cutting 62mm to 75mm dia bamboo piles to size and making shoes & driving by jet machine etc. all complete job as per specification & direction of Engineer-in-Charge.	Mtr.	599.50	55.40	33212.00
3	Labour for fitting & fixing 62mm to 75mm 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 etc all complete job as per specification & direction of Engineer-in-Charge.	Mtr.	99.90	30.87	3084.00
4	Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge.	Each	1604	38.03	61003.00
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	Cum	311.50	2168.72	675556.00
6	Supply,laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.	meter	7.50	4425.07	33188.00
TOTAL AMOUNT =					1077353.00


28/12/17

Junior Engineer
RWD Works Sec.
Palasi


28/12/17

Assistant Engineer
RWD Works sec.
Palasi


28/12/17

Executive Engineer
RWD Works Division
Araria

Detailed Estimate						
ESTIMATE FOR REPAIRING/ RESTORATION / MAKING MOTORABLE ROADS DAMAGED DURING FLOOD						
Name of Road:		Deepnagar to Belwari				
Block:		Palasi				
District:		Araria				
Sl No.	Items of Works	Nos.	L (m)	B (m)	D (m) IN (Av.)	Quantity (m ³)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.					
	Ch-1580	1	35.00	(6.00+8.0)/2	(1.80+2.75+2.0)/3	534.92
	Less HPC	3	2.50	3.14	(1.13x1.13)/4	7.52
					Total Qty =	527.40
2	Labour for cutting 62mm to 75mm dia bamboo piles to size and making shoes & driving by jet machine etc. all complete job as per specification & direction of Engineer-in-Charge.					
	Ch-650	1	9.5/0.300		3.00	142.50
		1	6.8/0.200		3.00	102.00
	Ch-900	1	12/0.30		2.00	120.00
	Ch-1580	1	8.5/0.200		2.00	85.00
		1	5.0/0.20		2.00	50.00
		1	10/0.20		2.00	100.00
					Total Qty =	599.50

28/12/07

Junior Engineer
RWD Works Section
Palasi (Araria)

28/12/07

Assistant Engineer
RWD Works Section
Palasi (Araria)

Executive Engineer
RWD Works Division Araria

Sl No.	Items of Works	Nos.	L (m)	B (m)	D (m) IN (Av.)	Quantity (m3)
3	Labour for fitting & fixing 62mm to 75mm 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 etc all complete job as per specification & direction of Engineer-in-Charge.					
	Ch-650	1	9.50	3.00		28.50
		1	6.80	3.00		20.40
	Ch-900	1	12.00	2.00		24.00
	Ch-1580	1	8.50	2.00		17.00
		1	5.00	2.00		10.00
		Total Qty =				99.90
4	Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge.					
	Ch-650	1	9.50	(0.90+1.20)/2	(1.20+2.0+1.5)/3	15.63
		1	6.80	(0.9+1.00)/2	(0.90+1.20)/2	6.78
	Ch-900	1	12.00	(0.450+0.800)/2	(1.0+1.20)/2	8.25
	Ch-1580	1	13.50	(0.90+0.65)/2	(1.0+1.50)/2	13.08
		1	10.00	(0.60+1.00)/2	(1.20+1.50)/2	10.80
					TOTAL=	54.54
		Total No. of EC Bags =54.54/0.034)				1604.08
					SAY NO OF Bags.=	1604
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.					
	Ch-650	1	20.00	(4.0+5.0)/2	(0.600+0.900)/2	67.50
		1	15.00	4.00	0.300	18.00
		1	5.00	2.50	(0.300+0.450)/2	4.38
	Ch-900	1	15.50	(2.0+3.0)/2	(0.600+0.900)/2	29.06

28/12/07

Junior Engineer
RWD Works Section
Palasi (Araria)

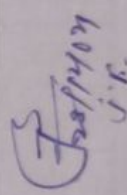
Assistant Engineer
RWD Works Section
Palasi (Araria)

Executive Engineer
RWD Works Division Araria

Sl No.	Items of Works	Nos.	L (m)	B (m)	D (m) IN (Av.)	Quantity (m3)
	Ch-1050	1	4.50	3.00	$(0.200+0.350)/2$	3.71
		1	3.00	1.50	$(0.200+0.400)/2$	1.35
	Ch-1580	1	40.00	$(6.0+6.50)/2$	$(0.600+0.900)/2$	187.50
					Total Qty. =	311.50
6	Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.					
	4th Cutting	3	2.50			7.50
					Total Qty. =	7.50

Name of Road :-			Deepnagar to Belwari			Block :-		Palasi		Total Amount	Add 10 % Seigniorage Fee
Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs	Total material Qty. required (Cum)			
1			EARTHWORK								
			Construction of Embankment with Material Obtained from Borrow Pits								
		(A)	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)	Material								
			Compensation for earth taken from private land	cum	100.00	34.78	3,478.00				
			Cost for 100 cum = a				3,478.00				
			Rate per cum = (a)/100=	cum			34.78				
						Total Cost	34.78	0.00		0.00	0.00
2			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.								
			Unit = cum								
			Taking output = 100 cum								
		a)	Material								
			Compensation for earth taken from private land	cum	100.00	34.78	3,478.00				
			Cost for 100 cum = a				3,478.00				
			Rate per cum = (a)/100	cum			34.78				
						Total Cost	34.78	0.00		0.00	0.00

Name of Road :-		Deepnagar to Belwari			Block :-		Palasi	Total material Qty. required (Cum)	Total Amount	Add 10 % Seigniorage Fee
Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs			
3			Brick Bats Providing, Laying & Spreading Brick bats in Road Ditches all complete job							
			Unit = cum							
		(a)	Material				1,260.00			
			Bricks Bats	Cum	1.20	1,050.00	1,260.00			
						Total Cost	1,260.00	311.50	3,92,490.00	39,249.00
4			Local sand filling							
			Local sand Filling in foundation trenches as per drawing and technical specification							
			Unit = cum							
			Taking output = cum							
		a)	Material							
			Sand (assuming 20 per cent voids)	cum	1.20	141.85	170.22			
			Cost for 10 cum = A	cum			170.22			
			Rate per cum = (A)/100=				17.02			
						Total Cost	17.02	527.40	8,977.38	897.74
5	15.2	1900	Supply of EC Bags Filled with L.sand							
			Providing ,fitting and posting (as red) empty cement bags with local sand, stitching the bags and placing do all complete job as per specification & direction.							
			Unit = Nos							
			Taking output = 100 nos							
		a)	Material							
			Sand Sand (100x1.2/35.315)	cum	3.40	141.85	482.29			
			Cost for 100 nos = A	cum			482.29			
			Rate per nos = (A)/100=				4.82			
						Total Cost	4.82	1,604.08	7,736.30	773.63
								Total Seigniorage Fee	40,920.00	



 J. K. Jaiswal

 28/12/24

 H.E.