

GOVERNMENT OF BIHAR
RURAL WORKS DEPARTMENT



Name of work : Sohadi Via Samda to Lakarkatta

District : Araria

Block : Palasi

FDR (2021-22)

Restoration Cost of Road	: Rs. 11.104 Lacs
1% L.Cess of Rest. Cost	: Rs. 0.111 Lacs
12% GST of Rest. Cost	Rs. 1.332 Lacs
Seigniorage fee	: Rs. 0.356 Lacs
Total Restoration Cost including Labour Cess & GST	: Rs. 12.903 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 (भा0प्र0सै0)
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 MMS 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 कारवाई 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

1. Name of PIUs : Executive Engineer, RWD (W) Div - Anant
2. Name Of Block / Road : Sohadi via Samda to Lakarkatta

A. For Road

1. Damage Location / Chainage : 1100W & 3100W
2. Damage Length : $(330W + 38.50W) = 71.0W$
3. Nature Of Damage : Flood
4. Details Of Restoration :
i) Material Being Used In Restoration : L. Sand, Bamboo, EC bag, Brick Bats
ii) Equipment / Tools Being Used In Restoration Works : JCB & Tractor
iii) Procedure Taken Up In Restoration Works : Manually
iv) Restored Length : 71.0W

B. For Bridge

1. Damage Location / Chainage :
2. Damage Length :
3. Nature Of Damage :
4. Details Of Restoration :
i) Material Being Used In Restoration :
ii) Equipment / Tools Being Used in Restoration Works :
iii) Procedure Taken Up In Restoration Works :
iv) Restored Length :

NA

'S' (satisfactory)

Signature of JE / AE / EE

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

FDR (2021-22)
GENERAL ABSTRACT OF COST

Name of Road : Sohadi Via Samda to Lakarkatta
District : Araria
Block : Palasi
Cutting Chainage (M) :

Sl. No.	Item of work	Amount (In Rs.)
1	Filling of Local Sand	3,27,563.00
2	Labour for cutting 62mm to 75mm dia Bamboo	8,864.00
3	Labour for fitting & fixing 62mm to 75mm dia Bamboo runner	2,778.00
4	Supply of EC bag of Local Sand	2,26,502.00
5	Supply & Carriage of Brick Bats	5,44,688.00
6	Supply, laying and carriage of 1000mm dia HPC	-
a	Sub Total Cost of Work :	11,10,395.00
b	1% L.cess of Total Cost :	11,104.00
	12% GST of Total Cost :	1,33,247.00
	Seigniorage Fee	35,602.00
d.	Total Cost of Work including GST & Cess :	12,90,348.00

[Signature]
28/12/21
Junior Engineer RWD
Works Sec. Palasi
(Araria)

[Signature]
28/12/21
Assistant Engineer
RWD Works Section
Palasi (Araria)

[Signature]
28/12/21
Executive Engineer
RWD Works Div.
Araria

Ref. Letter No. 1457 D. 28.04.2022

Technically Sanctioned For Rs. 12,90,348
Superintending Engineer
RWD Circle, Kishanganj

(Rupees) Twelve Lakh Ninety Thousand

Three hundred forty eight
Only

[Signature]
29/4/22
AE

[Signature]
28/4/22

अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, किशनगंज

BILL OF QUANTITY

Name of Road:

Sohadi Via Samda to Lakarkatta

Block:

Palasi

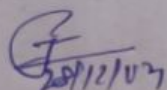
District:

Araria

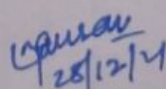
Division:

R.W.D ,Araria

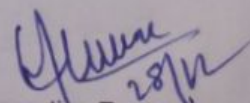
Sl No.	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.	Cum	636.75	514.43	327563.00
2	Labour for cutting 62mm to 75mm dia bamboo piles to size and making shoes & driving by jet machine etc. all complete job as per specification & direction of Engineer-in-Charge.	Mtr.	160.00	55.40	8864.00
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.	90.00	30.87	2778.00
4	Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge.	Each	5956	38.03	226502.00
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.	Cum	251.16	2168.72	544688.00
6	Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.	meter	0.00	4425.07	0.00
TOTAL AMOUNT =					1110395.00


28/12/14

Junior Engineer
RWD Works Sec.
Palasi


28/12/14

Assistant Engineer
RWD Works sec.
Palasi


28/12/14

Executive Engineer
RWD Works Division
Araria

Detailed Estimate						
ESTIMATE FOR REPAIRING/ RESTORATION / MAKING MOTORABLE ROADS DAMAGED DURING FLOOD						
Name of Road:		Sohadi Via Samda to Lakarkatta				
Block:		Palasi				
District:		Araria				
SI 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-1100	1	15.00	(5.0+8.0)/2	(2.0+3.0)/2	243.75
		1	15.00	(5.0+6.5)/2	(2.5+2.0+1.50)/3	172.50
	Ch-3100	1	30.00	(6.0+8.0)/2	(1.20+0.90)/2	220.50
					Total Qty =	636.75
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-1100	2	15.0/0.30		2.00	160.00
					Total Qty =	160.00

7-28/12/07

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 (m ³)
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.	2	15.00		3.00	90.00
	Ch-1100				Total Qty =	90.00
4	Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge.					
	Ch-1100	1	18.00	(2.0+3.0)/2	(2.0+2.50)/2	168.75
		1	15.00	(1.20+1.80)/2	(1.20+1.80)/2	33.75
					total	202.50
						5955.88
					SAY NO OF Bags. =	5956
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.					
	Ch-1100	1	15.00	(4.50+5.0)/2	(0.300+0.600)/2	32.06
		1	18.00	(4.5+5.0)/2	(0.250+0.500)/2	42.75
		1	5.00	(3.75+10.0)/2	(0.20+0.40)/2	10.31
	Ch-3100	1	38.50	(5.0+6.5)/2	(0.600+0.900)/2	166.03
					Total Qty. =	251.16
6	Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.					
		0	2.50			0.00
					Total Qty. =	0.00

28/11/2017

Junior Engineer
RWD Works Section
Palasi (Araria)

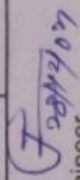
28/11/2017

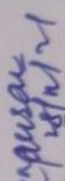
Assistant Engineer
RWD Works Section Palasi(Araria)


28/11/2017

Executive Engineer
RWD Works Division
Araria

Sl No.	Items of Works	Nos.	L (m)	B (m)	D (m) IN (Av.)	Quantity (m ³)
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.	2	15.00		3.00	90.00
	Ch-1100				Total Qty =	90.00
4	Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge.					
	Ch-1100	1	18.00	(2.0+3.0)/2	(2.0+2.50)/2	168.75
		1	15.00	(1.20+1.80)/2	(1.20+1.80)/2	33.75
					total	202.50
						5955.88
					SAY NO OF Bags.=	5956
5	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.					
	Ch-1100	1	15.00	(4.50+5.0)/2	(0.300+0.600)/2	32.06
		1	18.00	(4.5+5.0)/2	(0.250+0.500)/2	42.75
		1	5.00	(3.75+10.0)/2	(0.20+0.40)/2	10.31
	Ch-3100	1	38.50	(5.0+6.5)/2	(0.600+0.900)/2	166.03
					Total Qty. =	251.16
6	Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.					
		0	2.50			0.00
					Total Qty. =	0.00

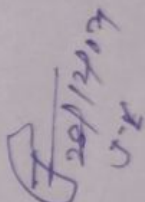
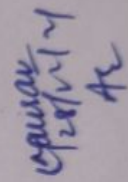

 Junior Engineer
 RWD Works Section
 Palasi (Araria)


 Assistant Engineer
 RWD Works Section Palasi (Araria)


 Executive Engineer
 RWD Works Division
 Araria

Name of Road :-			Sohadi Via Samda to Lakarkatta				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									
		(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)	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 :-		Sohadi Via Samda to Lakarkatta				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	Cum	1.20	1,050.00	1,260.00					
			Bricks Bats				1,260.00					
			Total Cost				1,260.00			251.16	3,16,456.88	31,645.69
4			Local sand filling									
			Local sand Filling in foundation trenches as per drawing and technical specification									
			Unit = cum									
			Taking output = cum									
		a)	Material	cum	1.20	141.85	170.22					
			Sand (assuming 20 per cent voids)				170.22					
			Cost for 10 cum = A	cum			17.02					
			Rate per cum = (A)/100=				Total Cost			636.75	10,838.76	1,083.88
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	cum	3.40	141.85	482.29					
			Sand Sand (100x1.2/35.315)				482.29					
			Cost for 100 nos = A	cum			4.82					
			Rate per nos = (A)/100=				Total Cost			5,955.88	28,724.63	2,872.46
			Total Seigniorage Fee								35,602.00	

 20/12/17
 20/12/17
 AC