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% GSTof Rest. Cost Rs. 1.332 Lacs

Seigniorage fee : Rs. 0.356 Lacs

Total Restoration Cost including : Rs. 12.903 Lacs

Labour Cess & GST

R.W.D, WORKS CIRCLE, KISHANGANJ
R.W.D, WORKS DIVISION, ARARIA

ग्रामीण कार्य विभाग बिहार, सरकार

पत्रांक - मु030-4 (मु0) विविध कार्य-23-60/2020 - 19 पटना, दिनांक 07/07/2021

प्रेषक.

पंकज कुमार पाल (माठप्रवरीव) सचिव

सेवा में

सभी कार्यपालक अभियंता ग्रामीण कार्य विभाग.

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

महाशय.

उपर्युक्त विषय के संबंध में निदेश दिया जाता है कि प्रमंडल अन्तर्गत सभी अमियंता बाद / 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 NES पर तत्सण अपलोड किया जाना सुनिश्चित करेंगे। इन कार्यो को कराने हेत् कार्यपालक अभियंता पूर्ण रूप से जिम्मेवार होंगे। कार्य न कराने की स्थिति में उनके विरुद्ध अनुशासनिक कार्रवाई की बाध्यता होगी।

(पंकर्ज कुमार पाल)

ज्ञापांक- मु०अ०-४ (मु०) विविध कार्य-23-60 / 2020 - 1 4 3 7 पंटना, 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 अविशीघ यातायात लायक बनवाने की कारवाई सुनिश्चित करेंगे।

पटना, दिनांक 07/7 ज्ञापांक-मु०अ०-४ (मु०) विविध कार्य-23-60/2020 - 1937 प्रतिलिपि:-सभी मुख्य अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं लगानार अनुश्रवण करने हेत् प्रेषित।

Inspection Report for Flood Damage Work

1.Name of PIUs : Executive Engineer, RWD (w) biv - Along 2. Name Of Block / Road Schooli via samda to Lakarkatta A. For Road 1. Damage Location / Chainage 1100M & 3100M (3304+38304) = 71.04 2.Damage Length 3. Nature Of Damage : Flood 4. Details Of Restoration L. Sand, Bamboo, EC bap, Protok Bats i) Material Being Used In Restoration ii) Equipment / Tools Being Used In Restoration Works : JCB & Tractor iii) Procedure Taken Up In Restoration Works : Mannually iv) Restored Length 71.04 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 'S' (satisfactory

Signature of JE / AE /

FDR (2021-22) GENERAL ABSTRACT OF COST

Name of Road:

Sohadi Via Samda to Lakarkatta

District Block

Araria Palasi

Cutting Chainage (M)

SI. 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	-
а	Sub Total Cost of Work :	11,10,395.00
b	1% L.cess of Total Cost :	11,104.00
L	12% GST of Total Cost :	1,33,247.00
L	Seigniorage Fee	35,602.00
d.	Total Cost of Work including GST & Cess:	12,90,348.00

Junior Engineer RWD Works Sec. Palasi (Araria)

RWD Works Section Palasi (Araria)

Executive Engineer RWD Works Div. Araria

Par No. 1457 28.04.2012

Technically Sanctismertending Engineer 12.90 348 RWD Circle , Kishanganj

(Rupees Twelve lash Ninty Thousand

Three hurdred fourly eight

ग्रामीण कार्य विभाग

कार्य अंचल, किशनगंज

BILL OF QUANTITY Sohadi Via Samda to Lakarkatta Palasi Araria

Name of Road:

Block:

District:

Divisio	on:	R.W.D	,Araria		
SI 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
			ТОТА	L AMOUNT =	1110395.00

Junior Engineer RWD Works Sec. Palasi

Assistant Engineer

RWD Works sec. Palasi

Executive Engineer **RWD Works Division** Araria

D (m) IN (Av.) (2.0+3.0)/2 (2.5+2.0+1.50)/3 (1.20+0.90)/2 Total Qty	1 2	D (m) IN (Av.) Quantity (m3) (2.0+3.0)/2 243.75 (2.5+2.0+1.50)/3 172.50 (1.20+0.90)/2 220.50 Total Qty = 636.75
(5.0+8.0)/2 (2.0+3 (5.0+6.5)/2 (2.5+2.0+ (6.0+8.0)/2 (1.20+0		
Tota	Tota	Tota
		2.00
2.00		The state of the s



RWD Works Section Junior Engineer

Palasi (Araria)

Assistant Engineer operated or

RWD Works Section Palasi(Araria)

182	Executive Engineer	RWD Works Division

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.l wire including cost of G.l wire or nails etc all complete job as per specification & direction of Engineer-in-Charge. Ch-1100 Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge. Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job. Ch-1100 Ch-1100 1 15.00 (4.50+ 1 18.00 (4.	SI No.	Items of Works	Nos.	L (m)	В (ш)	D (m) IN (Av.)	Quantity (m3)
Engineer-in-Charge. Ch-1100 Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge. Ch-1100 Ch-1100 1 18.00 Ch-1100 1 15.00 Ch-1100 1 18.00 Ch-1100 Ch-1100 1 38.50 Ch-3100 Ch-3100 O 2.50		Labour for fitting & fixing 62mm to 75mm dia pamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I wire ncluding cost of G.I wire or nails etc all complete job as per specification & direction of					
Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge. Ch-1100 1 15.00 Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job. Ch-1100 1 18.00 1 5.00 Ch-3100 1 38.50 Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.		Engineer-in-Charge.	2	15.00		3.00 Total Qty =	90.00
Ch-1100 1 18.00 ts upto 8 km and lying of bats, Ch-1100 1 15.00 Ch-3100 1 38.50 Ch-3100 1 38.50 One of the base of the ba	0, 0,	Supplying of EC bag, filling of local sand, stitching and placing in position as per the					
bats, 1 15.00 1100 1 15.00 1 18.00 1 38.50 1000 0 2.50	-		1	18.00	(2.0+3.0)/2	(2.0+2.50)/2	168.75
bats, 1 15.00 1 18.00 1 5.00 1 38.50 0 2.50	1		1	15.00	(1.20+1.80)/2	(1.20+1.80)/2	33.75
bats, 1100 1 15.00 1 18.00 1 5.00 1 38.50 0 2.50						totai	5955.88
bats, 1 15.00 1 18.00 1 5.00 1 38.50 1 000	1					SAY NO OF Bags.=	
Ch-1100 1 15.00 1 18.00 1 5.00 1 5.00 Id Carriage of of hume pipe 1000 Il complete job. 0 2.50	10	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.					
1 18.00 1 5.00 1 38.50	T		1	15.00	(4.50+5.0)/2	(0.300+0.600)/2	32.06
1 5.00 1 38.50	T		1	18.00	(4.5+5.0)/2	(0.250+0.500)/2	42.75
0 2.50			1	5.00	(3.75+10.0)/2	(0.20+0.40)/2	10.31
0		Ch-3100		38.50	(5.0+6.5)/2	(0.600+0.900)/2	166.03
0						t.	= 251.16
		Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.					
			0				0.00
						Total Qty. =	

Junior Engineer
RWD Works Section

Palasi (Araria)

Assistant Engineer
RWD Works Section Palasi(Araria)

					D () IN (Av.)	Ouantity	
1	Irems of Works	Nos.	L(m)	B (m)	D (m) Li (ar.)	(m3)	
SI No.							
m	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 iob as per specification & direction of						
	Engineer-in-Charge.	2	15.00		3.00	90.00	
					וסנפו ענץ –	20.00	
4	Supplying of EC bag, filling of local sand, stitching and placing in position as per the					1	
	direction of Engineer-in-charge.	1	18.00	(2.0+3.0)/2	(2.0+2.50)/2	168.75	
	0011 110	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	
S	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats,						
	all complete job.	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	
9	Supply, laying and Carriage of of hume pipe 1000 mm dia (HPC), all complete job.						
		0	2.50			00.00	
					Total Qty. =	00.0	1
ngineer ng	20/1/40%		course	+		Exec	Executive Engineer

Assistant Engineer

RWD Works Section Palasi(Araria)

RWD Works Section

The second second	1	Sahadi Via Samda to Lakarkatta			Block :-	Palasi			
Name of Road :-	Road :-	Solidari Via Samira to Esseri					Total		Add 10 %
SI. SDB SI. No. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs	material Qty. required (Cum)	Total Amount	Seigniorage Fee
		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	ow 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 lega upto 1000 in Specification Clause 301.5	300.1 and 300.	.2 with a <u>lead</u>	non orde	ds per reciminal			
	1	Unit = cum							
		Taking output = 100 cum							
	a)	Material							
		Compensation for earth taken from private land	cnm	100.00	34.78	3,478.00			
		Cost for 100 cum = a				3,478.00			
		Rate per cum = (a)/100=	cnm			34.78			
					Total Cost	34.78	00.00	00'0	00:00
		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.	erial obtained o meet require	from borrov ment of Table	v pits with a 300.2 with le	terial obtained from borrow pits with all lifts and leads, to meet requirement of Table 300.2 with lead upto 1000 m as			
		Unit = cum							
		Taking output = 100 cum							
	a)	Material							
		Compensation for earth taken from private land	cnm	100.00	34.78	3,478.00			
		Cost for 100 cum = a				3,478.00			
		Rate per cum = (a)/100	cnm			34.78			
					Total Cost	34.78	00'0	00'0	0.00

Name of Road :				Sanda ba lakarkatta					40-4-1		-
No. Ref No. Brick Bats Providing. Laying & Spreading Brick bats in Road Ditches all complete Job Brick Bats Providing. Laying & Spreading Brick bats in Road Ditches all complete Job Local sand filling in foundation trenches as per drawing and technical specification Local sand filling in foundation trenches as per drawing and technical specification Local sand Filling in foundation trenches as per drawing and technical specification Local sand Filling in foundation trenches as per drawing and technical specification Local sand Filling in foundation trenches as per drawing and technical specification Local sand Filling in foundation trenches as per drawing and technical specification Local sand Filling in foundation trenches as per drawing and technical specification Local sand Filling in foundation trenches as per drawing and technical specification Local sand filling in foundation trenches as per drawing and technical specification Local sand filling in foundation & Rate per cum = (A)/100= Cum Local Sand sand specification & direction. Local Sand Sand specification & Goat for 100 nos = A Rate per nos = (A)/100= Cum Local Sand Sand specification & Coat for 100 nos = A Rate per nos = (A)/100= Cum Local Sand Sand specification & Coat for 100 nos = A Rate per nos = (A)/100= Cum Local Sand Sand specification & Coat for 100 nos = A Rate per nos = (A)/100= Cum Local Sand Sand specification & Coat for 100 nos = A Rate per nos = (A)/100= Cum Local Sand Sand specification & Local Sand	Z	ame of Ro	-: pe	Sohadi Via Samua to Lana					notonial Oho		Add 10 %
Brick Bats Providing Laying & Spreading Brick bats in Road Ditches all complete job		SDB SI.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs	required (Cum)	Total Amount	Seigniorage Fee
Unit = cum 1.20 1,050.00 1	-			Brick Bats Providing, Laying & Spreading Brick bats in Road Ditches all com	nplete job						
Compared Compared				linit = cum							
Bricks Bats Total Cost To			(6)	Material		1 20	1 050 00	1.260.00			
Local sand filling Local sand filling Local sand filling in foundation trenches as per drawing and technical specification Unit = cum Taking output = cum Taking output = cum Tost for 10 cum = A Sand (assuming 20 per cent voids) Cost for 10 cum = A Rate per cum = (A)/100= Cost for 10 cum = A Providing, fitting and posting (as red) empty cement bags with local sand, stitching the bags and placing do all cor job as per spacification & direction. Unit = Nos Taking output = 100 nos Taking output = 100 nos Taking output = 100 nos Anacerial Cost for 100 nos = A Rate per nos = (A)/100= Cum Total Cost Total Cost Total Cost	+		(a)	Bricks Bats	Cum	1.20	200001	1,260.00			
Local sand filling in foundation trenches as per drawing and technical specification Local sand Filling in foundation trenches as per drawing and technical specification Unit = cum Taking output = cum Anaterial Sand (assuming 20 per cent voids) Cost for 10 cum = A Rate per cum = (A)/100= Cost for 10 cum = A Rate per cum = (A)/100= Total Cost Taking output = 100 nos = A Rate per nos = (A)/100= Total Cost Total Cost	1						Total Cost	1,260.00	251.16	3,16,456.88	31,645.69
Local sand Filling in foundation trenches as per drawing and technical specification Local sand Filling in foundation trenches as per drawing and technical specification Taking output = cum				1 and filling							
Unit = cum				Local sand Filling in foundation trenches as per drawing and technic	cal specificat	ion					
Taking output = cum a) Material Cost for 10 cum = A Rate per cum = (A)/100= Cost for 10 cum = A Rate per cum = (A)/100= Total Cost				The community of the co							
Sand (assuming 20 per cent voids) Sand (assuming 20 per cent voids)	+			Taking output = cum							
Sand (assuming 20 per cent voids) Cost for 10 cum = A Rate per cum = (A)/100= 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 cor job as per spacification & direction. Unit = Nos Taking output = 100 nos Material a) Material Sand Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Cost for 100 nos = A Rate per nos = (A)/100= Com Total Cost	+		a)	Material		00.	141 05	17022			
Cost for 10 cum = A Rate per cum = (A)/100= 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 corjob as per spacification & direction. Unit = Nos Taking output = 100 nos A Material Sand Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Comm Total Cost	+			Sand (assuming 20 per cent voids)	cnm	1.40	114,00	17022			
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 com job as per spacification & direction. Unit = Nos Taking output = 100 nos Anaterial Sand Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Coum Total Cost	H			Cost for 10 cum = A				4200			
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 con job as per spacification & direction. Unit = Nos Taking output = 100 nos Material Sand Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Cot for 100 nos = A Rate per nos = (A)/100= Com	4	-			cnm			17.02		100000	4 002 00
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 con job as per spacification & direction. Unit = Nos Taking output = 100 nos a) Material Sand Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Cost for 100 nos = A Rate per nos = (A)/100=	-						Total Cost	17.02	636.75	10,838.70	1,003.00
Providing ,fitting and posting (as red) empty cement bags with local sand, stitching the bags and placing do all collob as per spacification & direction. Unit = Nos Taking output = 100 nos Material Sand Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Cost for 100 nos = A Rate per nos = (A)/100= Total Cost	-	15.2									
Unit = Nos Taking output = 100 nos Material Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Total Cost	-			as red) empty cement bags with tion.	al sand, stitch	ning the bags	s and placing	do all compiate			
Taking output = 100 nos Material 3.40 141.85 Sand Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Cum Total Cost	-			Unit = Nos							
Material 3.40 141.85 Sand Sand (100x1.2/35.315) Cost for 100 nos = A Rate per nos = (A)/100= Total Cost	H			Taking output = 100 nos							
Rate per nos = (A)/100=	H		8)	Material		010	444.05	402 20			
Rate per nos = (A)/100= Cum Total Cost				Sand Sand (100x1.2/35.315)	cnm	3.40	141.00	482 29			
Total Cost					and and			4.82			
	1			Kate per nos = (A)/ 100=	cum		Total Cost	4.82	5,955.88	28,724.63	2,872.46
									Total Seign	Total Seigniorage Fee	35,602.00

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