SPAL WORKS DEPARTMENT OF THE SPAN OF THE S



GOVERNMENT OF BIHAR

CIRCLE - R.W.D. works Circle, Kishanganj

DIVISION - R.W.D. works Division, Kishanganj-2

Name of Work :-

CONSTRUCTION OF HIGH LEVEL RCC BRIDGE OVER LOCAL RIVER AT TO4 TAPPU TO DOGIRIJA UNDER DIGAL BANK BLOCK WITH APPROCH ROAD = 100 M

Block :-

Dighalbank

Estimated cost :-

Rs 4927470.00

Year: 2021-22

Inspection Report for Flood Damage Work

Name of PIUs

. Name Of Block / Road

: Kishanganis-2 : Dighalbank.

. For Road

Damage Location / Chainage

- 2 Damage Length
- 3. Nature Of Damage
- 4. Details Of Restoration
- i) Material Being Used In Restoration
- Equipment / Tools Being Used In Restoration Works
- Procedure Taken Up In Restoration Works
 - w) Restored Length

B. For Bridge

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

Court at high level RCC Bridge . over boat siver at To4 Toppen to Opproch when Dipholbank with

4 138 M

: Divorción cut of wash out.

: Combon Beling Sunner, your and ond subot in Willia with Ecroft, reclipedit.

: Bomboo, yeard, Brebot, RCC pipeNBH.P.

: Jes, Fractor Frally and winer tools.

: Manrally

: 138 m

Constilled Signature

(Name Of Inspector)

Signature of JE / AE / EE

<u>प्रतिवेदन</u>

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-1 अंतर्गत दीघलबैंक प्रखंड के पथ "HIGH LEVEL RCC BRIDGE OVER LOCAL RIVER AT TO4 TAPPU TO DOGIRIJA" जो विभागीय Online Monitoring Syatem MIS पर अपलोड है के बाढ 2021 से क्षतिग्रस्त हो जाने के कारण यातायात लायक Motorable हेतु बनाया गया है | इस कार्य को कराने का निर्देश ग्रामीण कार्य विभाग, बिहार सरकार के पत्रांक:- मुठअ०- 4 (मुठ) विविध कार्य- 23-60/2020 - 1937 / पटना, दिनांक- 07.07.2021 से प्राप्त है | इस पत्र से Real time geo-tagged photograph को कार्य के दौरान अपलोड करते हुए (Motorable) कार्य कराना सुनिश्चित करने का निर्देश प्राप्त है |

उक्त निर्देश के आलोक में कंकई नदी उपधार नदी/नदी उपधार से आए बाढ़ के कारण इस पथ के Road wayके क्षितिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Motorable कार्य के साथ साथ सुरक्षात्मक कार्य कराया गया है | MIS में अपलोडेड फोटो क्षितिग्रस्त होने का,कार्य होने के दौरान का एवं पुनः स्थापित हो जाने के बाद का Lat/Long रियल टाइम के साथ लिया गया है | नेपाल तराई से निकलने वाली इस नदी के तेज धार से इस पथ में कटाव की स्थिति बनी | Motorable कार्य में आवश्यकता अनुसार Bamboo Pilling / Pitching of E.C. Bags filled with local sand / Local sand filling Brick bats का इस्तेमाल किया गया है | Motorable कार्य कराकर यातायात बहाल कर दिया गया है | निर्देशानुसार कराये गए कार्य का Geo-tagged photo real time के साथ MIS पर अपलोड है | MIS की छायाप्रति, अपलोडेड फोटोग्राफ की छायाप्रति, दर विश्लेषण एवं विभागीय आदेशों की छायाप्रति पाक्कलन में संलग्न की जा रही है | प्राक्कलन में प्रयुक्त दर अद्धतन है |

पक्कलन की यथा शीघ्र अनुमोदन अपेक्षित है ताकि अग्रेतर कार्रवाई की जा सके |

कनीय अभियंता

ग्रामीण कार्य विभाग

कार्य प्रशाखा- दीघलवैंक

सहीयके अभियंता

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- दीघलबैंक

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमंडल, किशनगंज -2

ABSTRACT OF COST

Name of Work:-		CONSTRUCTION OF HIGH LEVEL RCC BRIDGE OVER LOCAL RIVER AT TO4 TAPPU TO DOGIRIJA UNDER DIGAL BANK BLOCK WITH APPROCH ROAD = 100 M						
Block :-		Dighalbank						
SI. No.		Particulars	Amount (In Rs.)					
Α	Cost of Re	storation work :-	Rs 4167949.00					
В	Add 12 %	GST	Rs 500154.00					
С	Add 1 % L.	. Cess	Rs 41679.00					
D	Add S.Fee	@ 10 % of Material Cost	Rs 217688.00					
		Total Cost with GST, LC & S.Fee	Rs 4927470.00					

J.E R.W.D Dighalbank

R.W.D Dighalbank R.W.D Kishanganj - 2

Technical Souction for Rs. 4927470/- (fourty nine lacs twenty seven thousand four hundred severy) only.

Parlankin 04 04 22

अधीक्षण अभियनी ग्रामीण कार्य विभाग कार्य अंचल किशनगंज

E.C

Detailed Estimate

IA	O DOCIDI	0011			AL RIVER	OVER LO			OF HIGH LEV				
JA	O DOGIRI	PPU	104 17	RAIT		OVER	BRIDGE	LL RCC	OF HIGH LLV	MISTRICTION O	CC		
mount					ואו טכ	KUAD - 1	PROCH	ITH AP	ANK BLOCK V	NDER DIGAL BAN	:- UI	of Wor	ame
(Rs.)		vit .		Qty.	(M)	(M)	rengtii	. No.	on N	Description	ORD		il.
		i	dia	mm d	mm to 75	ing of 62	r for cut	g labou	il ingludi		f.No		0.
			per	b as p	mplete jo	ing etc c	s and dri	g shoe	size and maki	oviding bamboo imboo piles to siz	.7.7 Pr	WRD	1
				315.0				1	direction of E	ecification and d	sr		
		1		315.				1 10:		-IS			
32911.00	52.24	ltr.	0.00 N		Total:-					4S			
			n 20	n with	n position	chachari	oo wover	t bamb	and fiving sal	roviding, fitting a			
				O	1	Hellianiv	no naus c	mmIn	75 to 100		- C.	WRD	2
			and	ation a	r specifica	job as p	complete	our for	s, bamboo lab	wg G.I. wire or 75 .I. wire or nails,	S		
			0.00							irection of E / I.			
0.00			0.00				0 0.0	0					
0.00	426.14	qm	0.00		Total:-								
			rs in	unners	amboo ri	nm dia	to 75	62 mm	ne and fixing	upplying, fitting			
					,	JIE Hans	50 11111111	sauth 1	at and mile			WRD	3
)D as	ete jot	ur comple	I and lab	materia	nails, a	of G.I. wire or	ncluding cost of			
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4000.00			90.00	90			3 30 3 30	1		RHS			
4988.00	27.71	Mtr.	80.00	180	Total:-	00	3 30	1		LHS			
			mboo	ıll bam	land for								
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			gth, 3 t with trying ank to age of of E/I.	is lenging it and to carriage	es along it is and try is position in the rive y etc. and	hree placement based in placing away from the transfer of the	least at empty c river and ast 15M	at site SWG at pats) in hing in d at le	n to 8 m long wire 20 to 25 d with (Brick 10 SWG laund foll at one er	75 mm dia 6 m with annealed w nos loads filled bank. wire 8 to 10 the bamboo rol		WRD	4
			gth, 3 t with trying ank to age of of E/I.	is lenging it and to carriage	es along it is and try is position in the rive y etc. and	hree placement based in placing away from the transfer of the	least at empty c river and ast 15M	at site SWG at pats) in hing in d at le	n to 8 m long wire 20 to 25 d with (Brick 10 SWG laund foll at one er	75 mm dia 6 m with annealed w nos loads filled B.A. wire 8 to 10		WRD	4
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	. 1562.35	o f e	gth, 3 t with trying ank to age of of E/I. 0.00 0.00 hankhi nos. of nealect SWG to omplete	and treer ban carriagetion of the second of	res along it is and try in position in the rive in etc. and and direct in the result in result in the result in result	hree placement ball placing away from the control of the control o	least at empty coriver and est 15M hboo posts as per spoon of the same of the	at site SWG at souts) in hing in d at le g of bar ete job O ocing in ce of a in EC l achorin SM awa and ca directio	m to 8 m long wire 20 to 25 d with (Brick 10 SWG laund oll at one er including piling the site all comparts at least 1 to 2 m lost at lea	75 mm dia 6 m with annealed w nos loads filled B.A. wire 8 to 10 the bamboo post, in all materials at s Supplying, make covering covering covering wire to the tree the bamboo post 8 job as per speci	(b) 5.7.47		4
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		of fee DD DD No	gth, 3 t with trying ank to age of of E/I. 0.00 0.00 hankhi nos. of nealed SWG to oilling of omplete 0.00 0.00 materi to sit	and treer band and Jhang 3 not 10 SV ling pillall conved merting trequire	Total: anches an providing to 25 SW wire 8 to mk included als at site. Totals at site.	hree placement ball placing away from the confication of the conficati	least at empty or river and ast 15M hboo posts as per sp 0 0 0 n position bour of boags, trying the same at the sa	at site SWG at sats) in hing in d at le g of bar ete job O o decing in EC I achorin SM awa and ca directio O o e and and ea ts with ired slo pto 100	m to 8 m long wire 20 to 25 d with (Brick 10 SWG launder) at one er including piling to site all comparts aking and play a post at least 1 and a post at l	75 mm dia 6 m with annealed w nos loads filled B.A. wire 8 to 10 the bamboo post, in all materials at s Supplying, make covering covering covering covering wire to the tree the bamboo post 8 job as per specific Construction Construction of the supplying covering c	5.7.47 (a)	WRC	
0.	. 1562.35	of fee OO No	gth, 3 t with trying ank to age of O.00 0.00 hankhi nos. of inealect SWG to oilling o omplete 0.00 0.00 materi to sit	and treer band and Jhang 3 new JG anno 10 SV Jing pillall con ved marting trequire cation	Total: anches an providing to 25 SW wire 8 to mk included als at site of the meet and Specific colors.	hree placement ball placing away from the aw	least at empty of river and ast 15M hoo posts as per sp 0 0 0 n position bour of boags, trying the same at the sam	at site SWG at sats) in hing in d at le g of bar ete job O ocing in ce of a in EC l nchorin SM awa and ca directio O e and and ea ts with	m to 8 m long wire 20 to 25 d with (Brick 10 SWG launder) at one er including piling to site all comparts aking and play a post at least 1 and a post at l	75 mm dia 6 m with annealed w nos loads filled B.A. wire 8 to 10 the bamboo rol Bamboo post, in all materials at s Supplying, make covering cover loads by filling wire to the tree the bamboo post 8 job as per specific construction construction construction obtained from spreading, grad of Table 300.2	5.7.47 (a)	WRC	

		MORD	Description	No.		(IV			ight VI)	Qty.	Unit	Rat (Rs		mount (Rs.)
. SI.	No.	Ref.No	Restoration of Rain Cu	its (By M	lanua	al Me	ans)							
1	0.01	3002.0						or a mix	xture of	f these,				
			clearing, the loose soil, layers not exceeding 2	benching	01 30		ting wit	h plate	compa	ctor or				
			layers not exceeding 2 power rammers to resto	re the or	iginal	aligni	ment, lev	ei aiiu s	nopes.					
										0.00				
									- 1	0.00				
									- 1	0.00	_	2.	78.68	0.00
								Т	otal:-	0.00	Cum	1 3	78.68	0.00
				(Finet c	lace)	hedo	ling							
8	9.2	1100	Sand filling or Type E Fillling and spreading	(riist c	nd o	vor h	rick bat	s as pe	er draw	ing and				
	(i)	& 800	Filling and spreading	local sa	na o	vei b	TICK DOL							
	(-)		technical specification (Clause 30	5.3.9			4.60	0.15	20.70				
			(1	1	30.00	4.60	0.15	20.70				
					1	77.0	30.00		0.15	12.42				-
		*			1	1	18.00	4.60	0.15	20.70				
					1	1	30.00	4.60		20.70		1		
					1	1	30.00	4.60	0.15	12.43				
		4 4 4			1	1	18.00	4.60	0.15	20.7				
					1	1	30.00	4.60	0.15	20.7				
					1	1	30.00	4.60	0.15	12.4				
			40		1	1	18.00	4.60	0.15			m 5	14.43	83060.00
									Total:-	161.46	Cu	111 3	14.15	
			Maria de la compania											
9	WRI	5.7.4	0 Brick bats Providing laying and	roading	hric	k bat	s in Road	ditche	s all co	mplete a	as			
			Providing laying and	spreading		d di	raction (of E/I					-	
			per approved design,	specificat	10115	and u	30.00	4.50	1.20	-				
					1	- 1	30.00	4.55	1.50		75			
					1	1	30.00	4.60	1.20			N .		
					1	1	18.00		1.10					
				66	1	1	30.00	4.55	1.20	1				
					1	1	30.00	4.65						
			2ND TIME CUT		1	1 -	30.00	4.75						
			ZND TIME COT	*	1	1	30.00	4.65						
					1	1	18.00	4.75		Tr. 0.000000				
					1	1	30.00	4.55	Part of the second second	+ 1				
					1	1	30.00	4.65	the second					
			THE CUT		1	1	30.00	4.85						
			3RD TIME CUT		1	1	30.00	4.65	0.6	20000	.70			
					1	1	18.00	4.65	0.6		.22			
					1	1	30.00	0.000	5 0.6		90			
					1	1	30.00	100 000	0.5	69	00.6		2460.73	3620459 00
					1	1	30.00		Total	l:- 1678	.16	Cum	2168.72	3639459.00
					. 11 6	and o	d Mater	ial	0 *				_ G =	
١,	0 4	.1 4	01 Granular Sub-bas	e with W	vell C	raue	ng II Ma	terial						
1		1	(i) (By mix in place i	nethod)	For	Gradi	v provid	ing we	ll grad	ed mate	erial,			
			Construction of g	ranular s	ub-b	ase o	y provin	tad gra	der arra	angemen	t on			
1			Construction of g spreading in unifor	m layers	with	tract	or moun	teu gra	rotava	tor at C	MC,			
			spreading in unifor prepared surface,	mixing by	mix mix	in pla	ace meth	iod Witi	1 Totava	sisad dar	sitv			
			1 manacting W	ith smoot	n wi	lee!	Office Co.		the de	Sired der	131047			
			complete as per Te	chnical S	pecifi	ication	Clause				0.00			
			complete as per re	.Cilinos	(0 (0.0			.00	0.00			
				35	(0 0	0.0	0.0		.00		Cur	2977.5	4 0.0
1					1				Tot	-	00	Cuit	. 25,7.5	204
1			RCC Pipe NP3 as	nor doe	iøn ir	n Sins	le Row	(10001	nm Dia	i.)				
	11		RCC Pipe NP3 as Providing and layi	ng reinfo	rced	ceme	nt concr	ete pipe	e NP3 fo	or culver	is or	'		
			Providing and laying first class bedding	of account	dar n	nateri	al in sing	le row	includin	g fixing	colla	r		
			first class bedding	or granu	nal fi	nateri dayah	idina av	cavatio	n, prot	ection v	vorks	,		
			first class bedding with cement mo	ortar 1:2	but	excli	Jung ex	ad wall	s and n	arapets (Claus	e		
			with cement mo backfilling, concre	ete and m	nason	ry wo	rks in ne	au wall	5 C.1.G P.	manager (Research Reference				
			1106.			E. 74		400		_1	100	0		
			1100.			2	8 2.	50	T	tal:-	40.0	o Mt	r 4452.	39 , 178096

SDB	MORD Ref.No	Description	No. No.		ngth Wi		ight M)	Qty. U	nit	Rate /	Amount (Rs.)
m. Sl. No.	Rel.NO	RCC Pipe NP3 as per deproviding and laying reinfirst class bedding of grawith cement mortar backfilling, concrete and 1106.	nforced ceme anular materi 1:2 but exclu d masonry wo	ent co al in s uding	ingle row excavation	includi on, pro	ng fixin tection	works,			
			1 77	0	0.00	- To	- otal:-	00.0 0.00 N	1tr. 1	752.33	0.00
3		RCC Pipe NP3 as per of Providing and laying refirst class bedding of grwith cement mortar backfilling, concrete an	inforced ceme anular materi 1:2 but excl	ent co ial in uding	oncrete pi single rov excavati	pe NPS v includ ion, pro	ing fixir	works,			
		1106.	0	0	0.00	- - T	otal:-	0.00 0.00 0.00	VItr. :	1752.33	0.00
4	5.7.52	Supply of new bag we Supply of new bag and (volume of filled bag approved nylon threat bags and placing in Nylincluding supply of nylowithin a lead of 30m, addirection of E/I.	NC with labou 1.2 cft and v d with stichin lon crate of size on threads etc	weigh ng ma ze (1n c, plac	t 50kg), s chine & n x 1m x 1 ing the fil	stiching generat Lm) with led crat	on two or, stac n a lead es in dry	king the of 150m portion and 0.00 0.00	No.	1249.46	0.00
15	5.7.53	Providing and filling	g empty ceme	ent b	ags						
		Supply of new bag we (volume of filled bag approved nylon threat bags and placing with all complete as per ap	1.2 cft and ad with stiching a lead of 150	weighing mains	nt 50kg), achine & Iuding su	sticning genera pply of i	tor, star nylon th	cking the reads etc			
		RHS	. 1	1	30.00	0.80	1.70	40.80			
		RHS	1	1	30.00	0.80	3.50	84.00			
		LHS	1	1	30.00	0.80	1.70	40.80			
		LHS	1	1	30.00	0.85	1.55	39.53			
		ыно				350	Total:-	205.13		20.02	229435.00
					@ 0.034	Cum ea	ich bag	6033	No.	38.03 TOTAL	4167949.00
	. ce eee	10% FOR ROYALTY M	IATERIAL				20. 2				
		1070 FOR ROTABITIE		-	161.46	1.20	=	193.75			27484.00
	AL SAND			-	1678.16	1.20	=	2013.79	Cum	1,050.00	2114482.00
BRX	K BAT			==	0.00	1.28	=	0.00	Cum	285.35	0.00
GS8					205.13	1.20	=	246.16	Cum	141.85	34917.00
100	AL SAND				203.13			TAL MATE GNORAGE	RIAL C		2176883.00 217688.00

J.E. R.W.D

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