SRAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

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

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

TO2 - KATHAMATHA TO TAPPU PART -IV (RCC BRIDGE

AT TO2 - KATHAMATHA TO TAPPU PART - IV AT CH :-

6.0 KM

Dighalbank Block :-

Name of Work :-

Rs 3283483.00 Estimated cost :-

Year: 2021-22

Inspection Report for Flood Damage Work

· Kzshangary-2 1. Name of PIUs : Dighalbank 2. Name Of Block / Road A. For Road 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 RCC Bridge at TOZ-Kathawalla to Tappu Partiv B. For Bridge at CH: GOKM 1.Damage Location / Chainage : 260 W 2.Damage Length . Diversion, workout & Flank exposed. · Bamboo Pilling, E/W, Breick bot laying · CISB laying, RCC NP3, EC bag with L-Sand 3. Nature Of Damage 4. Details Of Restoration Bamboo, farth Sand, Breickbet, Rec NB, EC bog. L-sand. i) Material Being Used In Restoration : Tractor, Trooty JCB, other evenin tods ii) Equipment / Tools Being Used in Restoration Works : Manually iii) Procedure Taken Up In Restoration Works : 260W iv) Restored Length

Satisfactory

(Name Of Inspector)

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-1 अंतर्गत दीघलबैंक प्रखंड के पथ "TO2 - KATHAMATHA TAPPU PART IV (RCC BRIDGE AT TO2 – KATHAMATHA TAPPU PART IV AT CH - 6.0 KM)"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:- मु०अ०- 4 (मु०) 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 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 Geotagged photo real time के साथ MIS पर अपलोड है | MIS की छायाप्रति, अपलोडेड फोटोग्राफ की छायाप्रति, दर विश्लेषण एवं विभागीय आदेशों की छायाप्रति प्राक्कलन में संलग्न की जा रही है | प्राक्कलन में प्रयुक्त दर अद्धतन है |

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

कनीय अभियंता

ग्रामीण कार्य विभाग

कार्य प्रशाखा- दीघलबैंक

सहयक अभियंता

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- दीघलबैंक

कार्यपालक अभियता

ग्रामीण कार्य विभाग

कार्य प्रमंडल, किशनगंज -2

ABSTRACT OF COST

Name of Work :-		TO2 - KATHAMATHA TO TAPPU PART -IV (RCC KATHAMATHA TO TAPPU PART - IV AT CH :-6.	0 KM		
Block :-		Dighalbank			
SI. No.		Particulars	Amount (In Rs.)		
A	Cost of Re	estoration work :-	Rs 2790468.00		
В	Add 12 %		Rs 334856.00		
			Rs 27905.00		
С	Add 1 %		Rs 130254.00		
D	Add S.Fe	e @ 10 % of Material Cost	nes a security		
		Total Cost with GST, LC & S.Fee	Rs 3283483.00		

R.W.D Dighalbank Dighalbank

R.W.D Kishanganj - 2

Telesenewy Semetion B. 32,83,483. W (Thirty two less eighty three) only.

Detailed Estimate

	e of Wo		IV AT CH :-6.0 KM			Length	Width	Height			Rate	Amount
SI. No.	SDB SI. No.	MORD Ref.No	Description	No.	No.	(M)	(M)	(M)	Qty.	Unit	(Rs.)	(Rs.)
	WRD	5.7.7	Providing bamboo piles in	cluding	labou	ir for cut	ing of t	s sample	oto ioh as			
			dia bamboo piles to size ar									
			per specification and direc			3.00			315.00			
				1		-	-		- 105.00			
	-				. 55	0.00	A	Total:	- 420.00	Mtr.	52.24	21941.00
			Providing, fitting and fixin	g solit	bambo	oo woven	chacha	ri in pos	ition with			
2	WRD	5.7.8	20 swa GI wire or 75 m	m to 1	00 mr	n long na	ils alter	natively	including			
			20 swg G.l. wire or 75 mm to 100 mm long nails alternatively including cost of G.l. wire or nails, bamboo labour for complete job as per									
			specification and direction			.,,,,,,						
			Specification and an		0 0				- 0.0			
	1			(0 0	0.00	0.0		- 0.0	0 Sqm	426.14	0.00
						- 75	dia ba	Total			420.14	0.00
3	WRD	5.7.9	Supplying, fitting and fixing	ng 62	mm t	o /5 mm	naile o	r 38 sw	g G.I. wire			
			position at every vertical	pile wi	tn 150	notorial a	nd lahoi	ir comp	lete iob a	5		
			including cost of G.I. wire	or nail	5, dii f F E/I	nateriai a	וע ומטטו	55.116	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		-	per specification and direc		1 3	30.00)	-	- 90.0	0		
				_		3 10.00		-	- 30.0			
	-	-		_				Total	:- 120.0	0 Mtr.	27.71	3325.00
4	WRD	5.7.46	Supplying and placing b	amboo	roll	each roll	of 4 n	os uncl	eared ful			
7	WIND	(b)	hamboo 75 mm dia 6 m t	o 8 m	long a	t site bind	ling pro	periy ea	ch other i			
		(5)	bunch with annealed wir	e 20 to	25 SV	NG at lea	st at thr	ee place	es along it	5		
=			length 3 nos loads filled	with (B	rick ba	its) in em	oty cem	ent bags	and tryin	g		
			it with B A wire 8 to 10 S	WG lau	unchin	g in river	and plac	ing in p	osition an	a		
			trying the hamboo roll at	one e	nd at	least 15N	l away f	rom the	river ban	K		
	9		to Bamboo post, includ	ing pili	ing of	bamboo	post &	royality	y etc. and	,		
			carriage of all materials	at site	all co	mplete jo	b as pe	r specifi	cation an	a		
			direction of E/I.		•	0		_	- 0.0	00		
				-		0	1-	-	- 0.0			
		-		-	U	U	-	Tota			. 1118.26	0.00
	11/00	F 7.45							- d Ibank			
5	WRD			placing	in p	osition Ti	ee brai	icnes a	a 2 nos 4	of		
		(a)	covering cover over all	space c	of abo	ur of 2.83	2 Cum	providin	G annoale	24		
			loads by filling boulder sp	pall in E	C bag	s, trying v	vith 20 t	0 25 5VV	to 10 SM	G		
			wire to the tree spur an	d anch	oring 1	the same	with B.	or hand	includir	0		
			to the bamboo post at	least :	15M a	way fron	n the ri	materia	ole at site	all	V	
			piling of bamboo post &	royalit	y etc.	and carrie	of E/I	materie	als at site			
			complete job as per spec	cificatio	n and	airection	OI E/I.					
-	-	+			0	0	-	-		00		
-					0	0	-			00	. 1562.35	0.0
-				8				Tot	al:- 0	00 No	0. 1502.5	0.0
1	3.14	303.	1 Construction of subgr	ade ai	nd ear	rthen sh	organish	annrov	ed mater	ial		
			Construction of subgrace	ie and	eartne	en snould	loads t	ransnor	ting to sit	e.		
			obtained from borrow	pits wi	ith all	and some	neaus, t	n meet i	requireme	nt	s	
			spreading, grading to re	quirea	siope	and comp	ochnical	Specific	ation Clau	ise		
			of Table 300.2 with lead	upto 1	1000 n	n as per i	echnical	Specific	ation clas	.50		
		1/4	303.1.		1	1 30	00 4	.60 1	.65 227	.70		
					1				.70 244	_		
_					1				.55 223			
	_				1			.80 1	.45 208	.80		
-		1		-	1			.10 1	.40 85	.40		
-					1	1 10	.00				1	1
-					1 1	1 30	.00 4	.60 1	1.10 151	.80	*	

	SDB	MORD Bof No.	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit		Rate Rs.)	(Rs.)
). S	il. No.	Ref.No		1	1	30.00	4.80	1.00	144.00			Ĭ	
+				1	1		4.80	1.20					
+				1	1	10.00	6.10		54.90	Cum		174.93	296226.00
+								Total:-	1693.40	Culli	-	174.55	230220.00
	10.01	3002.0	Restoration of Rain Cuts	(By M	lanua	al Means			W 10				
			Restoration of raincuts wit	h soil,	moor	um, grav	el or a r	nixture (of these,				
			clearing the loose soil hen	ching	of 300	mm widt	h, laying	tresh m	ateriai in				
			layers not exceeding 250n	nm an	d con	npacting '	with pla	te comp	actor or				
			power rammers to restore	the ori	ginal	alignment	, level a	nd slopes	5.				
-				0	1			0.00	0.00	-			
-				0	_	0.00	0.00		-	+	-	270.00	0.00
+								Total:-	0.00	Cum	1	378.68	0.00
В	9.2	1100	Sand filling or Type B (F	irst cl	ass)	bedding					1		
	(i)	& 800	Fillling and spreading local										
	(-)		technical specification Clau	se 305	.3.9		, N			-	+		
-						0.00				_	-		
_					1 :	0.00	0.00	0.00 Total:		Cun	n r	514.43	0.00
\neg								TOTAL.	0.00	Cui	-	J	7
9	WRD	5.7.40	Brick bats			to in Day	d ditch	os all co	molete as	-	+		
			Providing laying and sprea	iding b	rick b	ats in Ko	of E/I	es all CO	inpiece da				
			per approved design, spec			1 30.00	4.6	0 0.4	62.10	0			
			1st time cut (3 /7/21)			1 30.00 1 30.00				-			
8			28-06-2021	_	-	1 30.0	_		-				
						1 30.0	-		-				
			2 1 1	_	1	1 10.0			0 61.0	0			
			o3 - o7 -20 2nd time cut (20/7/21)	- 1	1	1 30.0		5 0.4					
			Zild time cut (20/1/21)		1	1 30.0	0 4.4				-		
					1	1 30.0					+		
_					1	1 30.0				_	+		
		1			1	1 10.0	0 5.1		5 38.2 :- 1009.8	_	m	2168.72	2190039.0
								TOLA	1003.6	5 Cu	-	2100.72	
10	4.1	401	Granular Sub-base wit	h Wel	Gra	ded Mate	riai				+		
		(i) .	(By mix in place methor Construction of granular	sub-	rGra	by provid	ing well	graded	material	,			
			spreading in uniform layer	n									
		İ	miving	-,									
			and compacting with smo	oth w	heel	roller to a	chieve t	he desir	ed densit	γ,			
			complete as per Technica	I Speci	ification	on Clause	401.				+		
	-	-	Complete as per recommend		1	1 30.0	JU 4.	60 0.:			+		
	+				1	1 30.0		70 0.			+		
	1				1	1 30.			10 14. 10 14.		+		
				1	1	1 30.	JU 4.			10	1		
				_			00 6	1111				2977.54	186990.0
					1	1 10.	00 6.			O CI	um	2311.34	100550.0
						1 10.		Tota	al:- 62.8	O Ci	um	2317.54	10035010
11			RCC Pipe NP3 as per d	esign	in Cir	1 10.	(1000)	Tota	al:- 62.8		um	2317.54	100350.0
11			Providing and laving rein	itorced	in Si	1 10.	(1000) ete pipe	Tota nm Dia NP3 for	d:- 62.8) culverts o	on	um	2317.54	100350
11			Providing and laying rein	itorced nular i	in Sin	1 10. ngle Row ent concre ial in sing	(1000) ete pipe e row in	Tota mm Dia NP3 for icluding	di:- 62.8) culverts of fixing coll	on ar	um	2317.54	100330
11			Providing and laying rein first class bedding of graduith coment mortar 1	nular i	in Sin	1 10. ngle Row ent concre ial in sing	(1000) ete pipe e row in avation,	Tota mm Dia. NP3 for icluding protect	hl:- 62.8) culverts of fixing coll ion work	on ar	um	2317.54	1003301
11			Providing and laying rein first class bedding of gra- with cement mortar 1: backfilling, concrete and	nular i	in Sin	1 10. ngle Row ent concre ial in sing	(1000) ete pipe e row in avation,	Tota mm Dia. NP3 for icluding protect	hl:- 62.8) culverts of fixing coll ion work	on ar	um	2317.54	1003301
11			Providing and laying rein first class bedding of graduith coment mortar 1	nular i	in Sin	1 10. ngle Row ent concre ial in sing uding exc orks in hea	(1000) ete pipe e row in avation,	Tota mm Dia. NP3 for acluding protect and para	al:- 62.8) culverts of fixing coll ion work apets Clau	on ar s, se			
11			Providing and laying rein first class bedding of grawith cement mortar 1: backfilling, concrete and 1106.	nular 2 but masor	in Sin I cem mater exclusive exclus exclus exclus exclus exclus exclus exclu	ngle Rowent concretial in singular excorts in heat	(1000) ete pipe e row in avation, ad walls	Tota mm Dia. NP3 for acluding protect and para	al:- 62.8) culverts of fixing collion work apets Clau - 10 al:- 10	on ar s, se		4452.39	
			Providing and laying rein first class bedding of grain with cement mortar 1: backfilling, concrete and 1106.	nular 2 but masor	in Sin I cem mater exclusive week	ngle Rowent concretial in singular excorts in heat	(1000) ete pipe e row in avation, ad walls	Tota mm Dia. NP3 for acluding protect and para Tot mm Dia.)	di:- 62.8) culverts of fixing collion work opets Clau - 10 al:- 10	on ar s, se .00			
111			Providing and laying rein first class bedding of grain with cement mortar 1: backfilling, concrete and 1106. RCC Pipe NP3 as per Concrete and laying rein providing and laying and laying and laying rein providing and laying rein providing and laying rein providing and laying rein providing and laying	nular 2 but masor	in Sin Sin I cemmater exclusionry we see a sin S	1 10. Ingle Row ent concre ial in sing uding exc orks in hea 2 2 Ingle Row ent concre	(1000) ete pipe e row in avation, ad walls 50	Tota mm Dia. NP3 for scluding protect and para Tot mm Dia.)	oculverts of fixing collision work apets Clau - 10 al:- 10	on ar s, se .00			
			Providing and laying rein first class bedding of gral with cement mortar 1: backfilling, concrete and 1106. RCC Pipe NP3 as per C Providing and laying rein first class bedding of gral	nular in 2 but masor	in Sin Sin I cemmater exclusionry we 2 in Sin Sin Cemmater mate	ngle Rowent concrete in sing adding excorks in heat 2 2 2 ngle Rowent concrete in sing	(10001) ete pipe e row in avation, ad walls 50	Tota mm Dia. NP3 for ncluding protect and para Tot mm Dia. NP3 for ncluding	oculverts of fixing collision work apets Clau 10 al:- 10 al:- 10 culverts fixing collision work apets Clau	on ar s, se .00 .00 N			
			Providing and laying rein first class bedding of grawith cement mortar 1: backfilling, concrete and 1106. RCC Pipe NP3 as per control of the providing and laying rein first class bedding of grawith coment mortar 1	lesign nular masor	in Sin Sin exclusive we will be seen to see the see th	ngle Rowent concrete in sing adding excorks in heat 2 2 2 ngle Rowent concrete in sing adding exceptions and in sing adding exceptions.	(10001) ete pipe e row in avation, ad walls 50 7 (600n) ete pipe	Tota mm Dia. NP3 for acluding protect and para Tot mm Dia.) NP3 for acluding	culverts of fixing collino work opets Clau 10 10 al:- 10 culverts fixing collino work opets culverts fixing collino work opets culverts fixing collino work opets culverts open open open open open open open open	on ar s, se .00 .00 N			
			Providing and laying rein first class bedding of grawith cement mortar 1: backfilling, concrete and 1106. RCC Pipe NP3 as per control of the providing and laying rein first class bedding of grawith coment mortar 1	lesign nular masor	in Sin Sin exclusive we will be seen to see the see th	ngle Rowent concrete in sing adding excorks in heat 2 2 2 ngle Rowent concrete in sing adding exceptions and in sing adding exceptions.	(10001) ete pipe e row in avation, ad walls 50 7 (600n) ete pipe	Tota mm Dia. NP3 for acluding protect and para Tot mm Dia.) NP3 for acluding	culverts of fixing collino work opets Clau 10 10 al:- 10 culverts fixing collino work opets culverts fixing collino work opets culverts fixing collino work opets culverts open open open open open open open open	on ar s, se .00 .00 N			
			Providing and laying rein first class bedding of gral with cement mortar 1: backfilling, concrete and 1106. RCC Pipe NP3 as per C Providing and laying rein first class bedding of gral	lesign nular masor	in Sin I cemmater exclusive we 2 in Sin d cemmate mate t exclusive we	ngle Rowent concrete in sing ading excorks in heat 2 2 2 ngle Rowent concrete in sing ading excorks in heat concrete in sing ading excords in heat concrete in sing ading excords in heat concrete in the concrete	(10001) ete pipe e row in avation, ad walls 50 7 (600n) ete pipe ete pipe ete pipe ete row in cavation, ad walls	Tota mm Dia. NP3 for acluding protect and para Tot mm Dia.) NP3 for acluding	ol:- 62.8 culverts of fixing collision work apets Clau - 10 - 10 - culverts fixing collision work apets Clau	on ar s, se .00 .00 N on lar cs,			
			Providing and laying rein first class bedding of grawith cement mortar 1: backfilling, concrete and 1106. RCC Pipe NP3 as per control of the providing and laying rein first class bedding of grawith cement mortar 1 backfilling, concrete and	lesign nular masor	in Sin Sin exclusive we will be seen to see the see th	ngle Rowent concrete in sing ading excorks in heat 2 2 2 ngle Rowent concrete in sing ading excorks in heat concrete in sing ading excorks in heat 2 0 0 0	(10001) ete pipe e row in avation, ad walls 50 7 (600n) ete pipe	Tota mm Dia. NP3 for acluding protect and para Tot mm Dia.) NP3 for acluding	ol:- 62.8 culverts of fixing collision work apets Clau culverts - 10 culverts fixing collision work apets Clau culverts - 10 culverts fixing collision work apets Clau	on ar s, se .00 .00 N			44524.

Amount (Rs.)	Rate /	+	Un	Qty.	Heigh (M)	Width (M)	ength (M)	No.	No.	Description	MORD	SDB	SI.	
			s,	on work	uding rotecti	ow inclustion, p	Row (3 oncrete single r excava n head	terial i ccludir works	nular ma :2 but ex I masonry	Providing and laying reinf first class bedding of gran with cement mortar 1: backfilling, concrete and 1106.		SI. No.	No. 13	
			.00		-		0.00	_						
0.00	1752.33	tr. 1	.00 N		Tota		0.00	0	(_	
0.0	1249.46	No.	he 0m dry gn,	stacking the ead of 15 rates in cover design	rator, s vith a li illed cr	g, stici gener x 1m) w the fi	achine m x 1m placin	and whing refisize of size of size of all contracts and set all co	ag 1.2 cft with stice on crate of of 30m, cion of E/I	Supply of new bag with Supply of new bag and sand (volume of filled bat approved nylon thread bags and placing in Nylon including supply of nyloportion within a lead specification and directions.	5.7.52		14	
		_												
			the etc	Supply of new bag with labour for filling new EC bag with local said (volume of filled bag 1.2 cft and weight 50kg), stiching on two line is approved nylon thread with stiching machine & generator, stacking the bags and placing with a lead of 150m including supply of nylon threads all complete as per approved design, specification and direction of E/I.							15			
			52.40	0.60	.90	0.	30.	1					-	
		Cura	10.00	0.00	.00	00 1	10.	1					_	
47423.	38.03	No.	12.40 1247											
4/743				1										

NORAGE FEE 10% FOR ROYALTY M	ATERIAL	1.20		0.00	Cum	141.85	0.0
	0.00	1.20			-	4 050 00	1272386.0
LOCAL SAND	1009.83	1.20	=	1211.80	Cum	1,050.00	
BRICK BAT		1.28		80.38	Cum	285.35	22938.0
	62.80	1.20				141.85	7217.
GSB	42.40	1.20	=	50.88			
LOCAL SAND	12.10		TC	TOTAL MATERIAL COST:-			1302541.00
EGG: III				IGNORAGI			130254.
			St	IGNORAGI	FFLL	1070	

A.E.D. R.W.D. Dighalbank

R:W.D.