# SPAL WORKS DEPARTMENT



# **GOVERNMENT OF BIHAR**

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

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

Name of Work :-

RCC BRIDGE IN TO1 - TERHAGACHHI TO BALUBARI

**ROAD VIA MATIYARI PART A END POINT** 

Block :-

Dighalbank

Estimated cost :-

Rs 1516346.00

Year: 2021-22

# Inspection Report for Flood Damage Work

: Kzshangany-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

B. For Bridge

1.Damage Location / Chainage

Lombelan resteration Indian of Bic. each Balubari via Matiyari Pant-A

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

: 165m

: Deversion washoute Flankerosad

: Sand filling, Breick but laying, Recnps 1000 mmp HP, EC bay with -L-sand

: Sand, Brickbat, ReCNB3 HP. Ec boy

: Tractor, Trally JCB, wino took

: Manually

: 165m

(Name Of Inspector)

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-1 अंतर्गत दीघलबैंक प्रखंड के पथ "T01 - TERHAGACHHI TO BALUBARI ROAD VIA MATIYARI PART A RCC BRIDGE IN T01 - TERHAGACHHI TO BALUBARI ROAD VIA MATIYARI PART A END POINT"जो विभागीय Online Monitoring System 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 क्षतिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Motorable कार्य कराया गया है | MIS में अपलोडेड फोटो क्षतिग्रस्त 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 |

ग्रामीण कार्य विभाग

कार्य प्रशाखा- दीघलबैंक

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- दीघलबैंक

ग्रामीण कार्य विभाग

कार्य प्रमंडल, किशनगंज -2

## ABSTRACT OF COST

Name of Work :- RCC BRIDGE IN T01 - TERHAGACHHI TO BALUBARI ROA MATIYARI PART A END POINT					
Block :-		Dighalbank			
SI. No.		Particulars	Amount (In Rs.)		
Α	Cost of Re	estoration work :-	Rs 1281911.00		
В	Add 12 %	GST	Rs 153829.00		
С	Add 1 % l	Cess	Rs 12819.00		
D	Add S.Fee	e @ 10 % of Material Cost	Rs 67787.00		
		Total Cost with GST, LC & S.Fee	Rs 1516346.00		

R.W.D

Dighalbank

R.W.D Dighalbank Kishanganj - 2

Technical Sometim for G. 15, 16, 346/- (fifteen lass Sixteen-Housemed - Shree hundre forty six) my.

# **Detailed Estimate**

SI.	SDB Sl. No.	MORD Ref.No	Description N	۱o.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	WRD	5.7.7	Providing bamboo piles includ	ling	labou		ting of		o 75 mn	1		
_	VVIID	3.7.7	dia bamboo piles to size and n	nakir	ng sho	es and d	riving e	tc comp	ete job a	S		
			per specification and direction									
				1	1	0.00			0.00			
				1	1	0.00		·	0.00	-		0.00
								Total:	4	) Mtr	52.24	0.00
2	WRD	5.7.8	Providing, fitting and fixing sp	lit b	ambo	o woven	chacha	ri in pos	ition wit	1		
			20 swg G.I. wire or 75 mm t	o 10	00 mm	n long na	ails alte	rnatively	includin	3		
			cost of G.I. wire or nails,		boo	labour f	or com	plete jo	b as pe	r		
			specification and direction of I			0.00	0.00	,	0.0	,		
				0	0	0.00	+		0.0			
				U	U	0.00	0.00	Total:	and the same of th	Sqn	426.14	0.00
2	WRD	5.7.9	Supplying, fitting and fixing	62 r	nm to	75 mm	n dia b					
3	WKD	5.7.9	position at every vertical pile	with	150	mm long	nails o	r 38 sw	g G.I. wir	е		
			including cost of G.I. wire or r	nails.	all m	aterial a	nd labo	ur comp	lete job a	s		
			per specification and direction									
	i de e		Perspection	1	0	0.00	į.	-	- 0.0			
				1	0	0.00	1		- 0.0		27.74	0.0
								Total		0 Mti	27.71	0.00
4	WRD	5.7.46	Supplying and placing bamb									
		(b)	bamboo 75 mm dia 6 m to 8	m lo	ng at	site bind	ing pro	perly ea	n otner i	n		
	1											
			bunch with annealed wire 20									
			length, 3 nos loads filled with	(Brid	ck bats	s) in emp	ty cem	ent bags	and tryin	g		
			length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG	(Brid laun	ck bats ching	s) in emp	ty ceme and place	ent bags ing in p	and tryinosition an	g d		
			length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one	(Brid laun	ck bats sching d at le	s) in emp in river a east 15M	oty ceme and place away f	ent bags ting in per rom the	and tryir osition an river bar	g d k		
			length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including	(Brid laun e end pilin	ck bats sching d at le g of	s) in emp in river a east 15M bamboo	and plac away f post &	ent bags ting in pa rom the royalit	and tryin osition an river bar y etc. an	g d k d		
			length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at si	(Brid laun e end pilin	ck bats sching d at le g of	s) in emp in river a east 15M bamboo	and plac away f post &	ent bags ting in pa rom the royalit	and tryin osition an river bar y etc. an	g d k d		
			length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including	(Brid laun e end pilin te a	ck bats sching d at le g of l	s) in emp in river a east 15M bamboo nplete jo	and plac away f post &	ent bags ting in pa rom the royalit	and tryin osition an river bar y etc. an	g d k d d		
			length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at si	(Brid laun e end pilin te a	ck bats sching d at le g of II com	s) in emp in river a east 15M bamboo nplete jo	and plac away f post &	ent bags ting in pa rom the royalit	and trying sition and river bar y etc. ar cation ar	g d k d d		
			length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at si	(Brid laun e end pilin te a	ck bats sching d at le g of II com	s) in emp in river a east 15M bamboo nplete jo	and plac away f post &	ent bags ting in pa rom the royalit	and tryin osition an river bar y etc. an cation ar - 0.0	g d k d d	o. 1118.26	0.0
5	WRD	5.7.47	length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at sidirection of E/I.	(Brid laun e end pilin ite a	ck bats sching d at le g of III com	s) in emp in river a east 15M bamboo nplete jo	away f post & b as pe	ent bags sing in p rom the royalit r specifi	and tryin osition and river bar y etc. an cation ar - 0.0 - 0.0 - 0.0	g d k d d d d 0 0 No	o. 1118.26	0.0
5	WRD	5.7.47 (a)	length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at sidirection of E/I.  Supplying, making and place	(Bridlaunde ende pilingte a	ck bats sching d at le g of ll com 0 0	s) in emp in river a east 15M bamboo nplete jo	away f post & b as pe	ent bags sing in per rom the royalit r specifi - Total	and tryin position and river barry etc. and cation are - 0.0 - 0.0 - 0.0 and Jhank	g d k d d d d O O No	o. 1118.26	0.0
5	WRD	5.7.47 (a)	length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at sidirection of E/I.  Supplying, making and plac covering cover over all space	(Bridlaunde ende ende pillingte a of	ck bats ching d at le g of II com 0 in pos	s) in emp in river a east 15M bamboo aplete jo sition Tr	away f post & b as pe	ent bags ling in port rom the royalit r specifi  Total nches al providin	and tryin osition and river bar y etc. and cation and - 0.0 cm d Jhank g 3 nos.	g d k d d 0 0 No	o. 1118.26	0.0
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5	WRD		length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at si direction of E/I.  Supplying, making and plac covering cover over all space loads by filling boulder spall it wire to the tree spur and and	(Bride launder en	ck bats sching d at le g of II com  0 on abour bags, ing th	s) in emp in river a east 15M bamboo aplete jo sition Tr of 2.83 trying w e same v	ee brai 2 Cum ith 20 to with B.A	ent bags ling in port rom the royality r specific  Total nches a providin 0 25 SW Lwire 8	and tryin osition an river bary etc. an cation ar - 0.0 - 0.0 - 0.0 d Jhank g 3 nos. G anneale to 10 SW	g d k d d d O O No hi of ed G	o. 1118.26	0.0
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5		(a)	length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at si direction of E/I.  Supplying, making and plac covering cover over all space loads by filling boulder spall it wire to the tree spur and and to the bamboo post at least 1 of bamboo post & royality complete job as per specificate.  Construction of subgrade Construction of subgrade and obtained from borrow pits spreading, grading to require of Table 300.2 with lead upto	(Bridlaund laund l	ck bats ching d at le g of ll com  o in pos abour bags, ing th away and d and di forthen all lift ope ar	s) in empire river a sast 15M bamboo aplete jo sition Trof 2.83 trying we same we carriage irection of shoulder that and land compared to the	ee braid 2 Cum ith 20 to with B.A. river be of all nof E/I.	ent bags sing in prom the royalit r specifi  Total nches al providin o 25 SW awire 8 ank includent in the serials  Total approve ransport o meet re	and tryin position and river bar y etc. and cation at site and cation and cat	g d k d d 0 0 N o hi o f d G n g all		
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5		(a)	length, 3 nos loads filled with it with B.A. wire 8 to 10 SWG trying the bamboo roll at one to Bamboo post, including carriage of all materials at si direction of E/I.  Supplying, making and plac covering cover over all space loads by filling boulder spall it wire to the tree spur and and to the bamboo post at least 1 of bamboo post & royality complete job as per specificate.  Construction of subgrade Construction of subgrade and obtained from borrow pits spreading, grading to require of Table 300.2 with lead upto	(Bridlaund laund l	ock batter then all lift ope ar and of all lift ope ar all lift op	s) in emplin river a cast 15M bamboo pelete jo sition Trof 2.83 trying we same we from the carriage irection of the carriage is shoulded fts and I and company to the carriage in the carriage irection of the carriage in the carriage is shoulded fts and I and company to the carriage is per Televille 100.000 to the carriage i	ee brail 2 Cum ith 20 to with B.A river ba of all n of E/I.  alders ers with leads, to acted to chnical	Total approvidinaterials  Total approvidinaterials  Total approvidinaterials  Total approvidinaterials	and tryin position and river bar y etc. and cation and and and and and and and and and an	g d k d d d d d d d d d d d d d d d d d		

SI. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
7	10.01	3002.0	Restoration of Rain Cut	ts (By M	lanua	l Means)						
			Restoration of raincuts w clearing, the loose soil, be layers not exceeding 250 power rammers to restore	enching o Omm an	of 300 d con	mm widt	h, laying with pla	fresh m	aterial in actor or			
	-			0	0	0.00	0.00	0.00	0.00		`	
				0	0	0.00	0.00		0.00			1
		-0.000						Total:-	0.00	Cum	378.68	0.00
8	9.2 (i)	1100 & 800	Sand filling or Type B ( Fillling and spreading lo technical specification Cla	cal sand	d ove		ats as <sub>l</sub>	per drav	ving and			
				-1	1	30.00	6.40	0.15	28.80			
				1	1	30.00	4.50	0.15	20.25			
				1		30.00			20.25			
				1		30.00			20.25		120 2121 231 13	
				1		30.00			19.13		2 64 110	
				1	. 1	15.00	4.00	0.15	9.00 117.68	Cum	514.43	60538.00
	MDD	F 7 40	Dutah kutu					TOTAL.	117.00	Cum	314.43	00338.00
9	WRD	5.7.40	Brick bats Providing laying and spre	ading h	rick h	ats in Ros	d ditche	s all con	nnlete as			
			per approved design, spec					.s an con	ipiete as			
			per approved design, spec	1		30.00		0.60	118.80			
				1		30.00			81.00			
		C 0 0		1		30.00			113.40			
				1		30.00			81.00			
				1		30.00	4.00	0.60	72.00	4		
		2 450		1		15.00	5.40	0.60	48.60			
								Total:-	514.80	Cum	2168.72	1116457.00
10	4.1	401	Granular Sub-base with	h Well (	Grade	d Materi	ial					
		(i)	(By mix in place metho Construction of granular spreading in uniform layer prepared surface, mixing and compacting with smo complete as per Technica	sub-bacts with by mix both who	ise by tracto in plac eel ro	providir or mounte ce metho oller to ac	ng well ed grade d with re hieve the	r arrange otavator	ement on at OMC,			
				0	0	0.00			0.00			
				0	0	0.00	0.00		0.00		2077.54	0.00
11	,		RCC Pipe NP3 as per de Providing and laying reinf first class bedding of gran with cement mortar 1: backfilling, concrete and re 1106.	forced co Jular ma 2 but e	ement iterial exclud work	t concrete in single ing excav s in head	e pipe N row inclivation, p walls an	P3 for cu uding fix protectio	ing collar n works,		2977.54	0.00
				0	-	+		-	0.00	- 13		
			,					Total:-		Mtr.	4452.39	44524.00
12			RCC Pipe NP3 as per de Providing and laying reint first class bedding of gran with cement mortar 1:: backfilling, concrete and	forced consular ma 2 but e	emen iterial exclud	t concrete in single ing exca	e pipe N row incl vation, p	P3 for cu uding fix protectio	ilverts on ing collar n works,			
			1106.		_	0.00			0.00			
			ļ	0	100		4		0.00			
		1	1	U	U	0.00	-	Total:-		Mtr.	1752.33	0.00

SI. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate	Amount
13	31, 140.	IXCI.IVO	RCC Pipe NP3 as per de	<u> </u>	(Rs.)	(Rs.)						
			Providing and laying reinf	verts on								
			first class bedding of gran	1								
			with cement mortar 1:2					-	•			
			backfilling, concrete and r			_						
			1106.	nasoni y	WO.K.	mineda	wans an	a paraper	.s clause			
			1100.	0	0	0.00	s = 1	-	0.00			
				0		0.00			0.00			
								Total:-		Mtr.	1752.33	0.00
14		5.7.52	Supply of new bag with	NC								
			Supply of new bag and N	IC with	labou	for filling	ng new l	EC bag w	ith local			
			sand (volume of filled bag	1.2 cft a	and w	eight 50k	g), stichi	ng on two	o line by			
			approved nylon thread w	ith stick	ning m	achine 8	k genera	ator, stac	king the			
			bags and placing in Nylon	crate of	size (1	.m x 1m :	(1m) wi	th a lead	of 150m			
			including supply of nylor	n thread	ds etc	, placing	the fill	ed crates	in dry			
			portion within a lead of									
			specification and direction			- 1			,			
	0.			0	0	-		-	0.00		1	
				0	0	-	-	-	0.00			
									0.00	No.	1249.46	0.00
15		5.7.53	Providing and filling en	npty cer	ment	bags						
			Supply of new bag with									
			(volume of filled bag 1.2									
			approved nylon thread w									
			bags and placing with a lea									
			all complete as per approv									
			an complete as per approv	eu desig	sii, she	cilicatioi	i allu ull					
				1	1	30.00	0.90	1.20	32.40			
				1	1	20.00	0.90	1.20	21.60			
						0.00		Total:-	54.00			
						@ 0.03	4 Cum e	ach bag	1588	No.	38.03	60392.00
											TOTAL	1281911.00

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL							
LOCAL SAND	117.68	1.20	=	141.22	Cum	141.85	20031.00
BRICK BAT	514.80	1.20	=	617.76	Cum	1,050.00	648648.00
GSB	0.00	1.28	=	0.00	Cum	285.35	0.00
LOCAL SAND	54.00	1.20	=	64.80	Cum	141.85	9192.00
			TC	TAL MATE	RIAL C	OST:-	677871.00
			SE	IGNORAGE	FEE	10%	67787.00

R.W.D Dighalbank

R.W.D Dighalbank R.W.D.