

# RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

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

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

Name of Work :-

CONST. OF 4X21.75 M H.L RCC BRIDGE OVER KANKAI  
RIVER IN 2ND KM OF HUBLIDANGI TO ICHAMARI  
MMGSY ROAD

Block :-

Dighalbank

Estimated cost :-

Rs 1447780.00

Year : 2021-22



## Inspection Report for Flood Damage Work

1. Name of PIUs : Kishanganj - 2

2. Name Of Block / Road : Dighalbank

### 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

Const. of 4x21.75 MHL RCC Bridge over Kankai  
river in 2nd km of Hublidangi to Ichaman MMGSYR

1. Damage Location / Chainage :

Diversion

2. Damage Length :

182m

3. Nature Of Damage :

Diversion washout and deeply eroded

4. Details Of Restoration :

Bamboo Piling, Sand Filling, Brick bat  
laying, RCC PIPENP3 laying, Filling EC  
bag with L-Sand

i) Material Being Used In Restoration :

Bamboo, Sand, Brick bat, RCCNP3  
EC bag, with L-Sand

ii) Equipment / Tools Being Used in Restoration Works :

Tractor, Trolley JCB with minor tools

iii) Procedure Taken Up In Restoration Works :

Manually

iv) Restored Length :

182m

Satisfactory

Clear  
Signature 15/12/24

Signature of JE / AE / EE

(Name Of Inspector)

## प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-1 अंतर्गत दीघलबैंक प्रखंड के पथ "CONST. OF 4X21.75 M H.L RCC BRIDGE OVER KANKAI RIVER IN 2ND KM OF HUBLIDANGI TO ICHAMARI MMGSY ROAD" जो विभागीय Online Monitoring Syatem MIS पर अपलोड है के बाद 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:- मु0अ0- 4 (मु0) 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 way के 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 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 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

  
सहायक अभियंता

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- दीघलबैंक

  
कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमंडल, किशनगंज -2

### ABSTRACT OF COST

Name of Work :-	CONST. OF 4X21.75 M H.L RCC BRIDGE OVER KANKAI RIVER IN 2ND KM OF HUBLIDANGI TO ICHAMARI MMGSY ROAD	
Block :-	Dighalbank	
Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work :-	Rs 1230563.00
B	Add 12 % GST	Rs 147668.00
C	Add 1 % L. Cess	Rs 12306.00
D	Add S.Fee @ 10 % of Material Cost	Rs 57243.00
Total Cost with GST, LC & S.Fee		Rs 1447780.00

*[Signature]*  
J.E  
R.W.D  
Dighalbank

*[Signature]*  
A.E  
R.W.D  
Dighalbank

*[Signature]*  
E.E  
R.W.D  
Kishanganj - 2

Technically sanction for Rs. 1447780.00 (Rupees  
fourteen lacs forty seven thousand seven hundred  
eighty only)

*[Signature]*  
04/04/22  
E.O

*[Signature]*  
04/04/22  
अधीक्षण अभियंता  
ग्रामीण कार्य विभाग  
कार्य अंचल, किशानगंज



### Detailed Estimate

Name of Work :-

CONST. OF 4X21.75 M H.L RCC BRIDGE OVER KANKAI RIVER IN 2ND KM OF HUBLIDANGI TO ICHAMARI  
MMGSY ROAD

[illegible]

Sl. No.	SDB No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
			Restoration of raincuts with soil, moorum, gravel or a mixture of these, clearing, the loose soil, benching of 300mm width, laying fresh material in layers not exceeding 250mm and compacting with plate compactor or power rammers to restore the original alignment, level and slopes.	0	0	0.00	0.00	0.00	0.00			
				0	0	0.00	0.00	0.00	0.00			
				Total:-					0.00	Cum	378.68	0.00
8	9.2	1100	<b>Sand filling or Type B (First class) bedding</b>									
	(i)	& 800	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9									
				1	1	30.00	6.00	0.10	18.00			
				1	1	30.00	5.40	0.10	16.20			
				1	1	30.00	4.00	0.10	12.00			
				1	1	30.00	4.00	0.10	12.00			
				1	1	30.00	4.00	0.10	12.00			
				1	1	30.00	6.00	0.10	18.00			
				1	1	2.00	6.00	0.10	1.20			
				182.00								
				Total:-					89.40	Cum	514.43	45990.00
9	WRD	5.7.40	<b>Brick bats</b>									
			Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I									
				1	1	30.00	6.00	0.40	72.00			
				1	1	30.00	5.40	0.50	81.00			
				1	1	30.00	4.00	0.60	72.00			
				1	1	30.00	4.00	0.60	72.00			
				1	1	30.00	4.00	0.50	60.00			
				1	1	30.00	6.00	0.40	72.00			
				1	1	2.00	6.00	0.40	4.80			
				Total:-					433.80	Cum	2168.72	940791.00
10	4.1	401	<b>Granular Sub-base with Well Graded Material</b>									
	(i)		<b>(By mix in place method) For Grading II Material</b>									
			Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.									
				0	0	0.00	0.00	0.00	0.00			
				0	0	0.00	0.00	0.00	0.00			
				Total:-					0.00	Cum	2977.54	0.00
11			<b>RCC Pipe NP3 as per design in Single Row (1000mm Dia.)</b>									
			Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.									
				4	3	2.50	-	-	30.00			
				0	0	0.00	-	-	0.00			
				Total:-					30.00	Mtr.	4452.39	133572.00
12			<b>RCC Pipe NP3 as per design in Single Row (600mm Dia.)</b>									
			Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.									
				0	0	0.00	-	-	0.00			
				0	0	0.00	-	-	0.00			
				Total:-					0.00	Mtr.	1752.33	0.00



Sl. No.	SDB No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
13			<b>RCC Pipe NP3 as per design in Single Row (300mm Dia.)</b> Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.	0	0	0.00	-	-	0.00			
				0	0	0.00	-	-	0.00			
									<b>Total:-</b>	0.00 Mtr.	1752.33	0.00
14	5.7.52		<b>Supply of new bag with NC</b> Supply of new bag and NC with labour for filling new EC bag with local sand (volume of filled bag 1.2 cft and weight 50kg), stitching on two line by approved nylon thread with stitching machine & generator, stacking the bags and placing in Nylon crate of size (1m x 1m x 1m) with a lead of 150m including supply of nylon threads etc, placing the filled crates in dry portion within a lead of 30m, all complete as per approved design, specification and direction of E/I.	0	0	-	-	-	0.00			
				0	0	-	-	-	0.00			
									0.00	No.	1249.46	0.00
15	5.7.53		<b>Providing and filling empty cement bags</b> Supply of new bag with labour for filling new EC bag with local sand (volume of filled bag 1.2 cft and weight 50kg), stitching on two line by approved nylon thread with stitching machine & generator, stacking the bags and placing with a lead of 150m including supply of nylon threads etc all complete as per approved design, specification and direction of E/I.	1	2	30.00	0.80	1.20	57.60			
				1	2	2.00	0.80	1.50	4.80			
									<b>Total:-</b>	62.40 Cum		
									@ 0.034 Cum each bag	1835 No.	38.03	69785.00
											<b>TOTAL</b>	<b>1230563.00</b>

#### SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND	89.40	1.20	=	107.28 Cum	141.85	15218.00
BRICK BAT	433.80	1.20	=	520.56 Cum	1,050.00	546588.00
GSB	0.00	1.28	=	0.00 Cum	285.35	0.00
LOCAL SAND	62.40	1.20	=	74.88 Cum	141.85	10622.00
				<b>TOTAL MATERIAL COST:-</b>		<b>572428.00</b>
				<b>SEIGNORAGE FEE 10%</b>		<b>57243.00</b>

*[Signature]*  
R.W.D  
Dighalbank

*[Signature]*  
A.E  
R.W.D  
Dighalbank

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E.E  
R.W.D  
Kishangan