RURAL WORKS DEPARTMENT

GOVERNMENT OF BIHAR

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

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

Name of Work :-	T02 KATAMATHA TO TAPPU PART IV
Block :-	Dighalbank
Estimated cost :- Part B	₹ 45,97,921
Estimated cost :- Part B	₹ 27,80,428
TOTAL COST	₹ 73,78,349

. 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 : TO2 Kathamatha to Tappa Part IV.
2. Damage Length : 452M.
3. Nature Of Damage : Sievious Cut and Damage the roadway.
4. Details Of Restoration : Bamboo pitching, ECbag with Ukand filling, Bkbat in filling
   i) Material Being Used In Restoration : Bamboo, ECBag, Ukand, Bkbat etc.
   ii) Equipment / Tools Being Used In Restoration Works : 452M.
   iii) Procedure Taken Up In Restoration Works : Manually.
   iv) Restored Length : 452M.

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 :

Satisfactory.

Signature

(Name Of Inspector)

16/12/21

Signature of JE / AE / EE

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-2 अंतर्गत दीघलबैंक प्रखंड के पथ "[illegible] KATHAMATHA TO TAPPU PART IV" 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:- 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 के साथ साथ सुरक्षात्मक 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 |

30/11/21

कनीय अभियंता

ग्रामीण कार्य विभाग

कार्य प्रशाखा- दीघलबैंक

30/11/21

सहायक अभियंता

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- दीघलबैंक

16.12.21

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमंडल, किशनगंज -2

ABSTRACT OF COST

Name of Work :-	T02 KATAMATHA TO TAPPU PART IV
Block :-	Dighalbank

Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work (PART - A) :-	₹ 38,03,501
B	Add 12 % GST	₹ 4,56,420
C	Add 1 % L. Cess	₹ 38,035
D	Add S.Fee @ 10 % of Material Cost	₹ 2,99,965
	Cost of Restoration work (PART - A) :-	**₹ 45,97,921**
	Cost of Restoration work (PART - B) :-	₹ 23,76,979
B	Add 12 % GST	₹ 2,85,237
C	Add 1 % L. Cess	₹ 23,770
D	Add S.Fee @ 10 % of Material Cost	₹ 94,442
	Cost of Restoration work (PART - B) :-	**₹ 27,80,428**
	TOTAL COST OF RESTORATION WORK = A + B	**₹ 73,78,349**

30/11/21
J.E
R.W.D
Dighalbank

30/11/21
A.E
R.W.D
Dighalbank

16/12/21
E.E
R.W.D
Kishanganj - 2

Technically sanction for Rs 73,78,349/- (Seventy three lacs seventy eight thousand three hundred fourty nine) only.

04/04/22
अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, किशनगंज

Pallavi Kumari
04/04/22
E.O

Detailed Estimate For the Restoration of cut and damaged portion of approach of PRIMARY SCHOOL BAGHMARA

Name of Work :- T02 KATAMATHA TO TAPPU PART IV

Sl. No.	SOR Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	WRD	5.7.7	Providing bamboo piles including labour for cutting of 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete job as per specification and direction of E/I									
				0		3.00	-	-	0.00			
				0		3.00	-	-	0.00			
								Total:-	0.00	Mtr.	52.24	0.00
2	WRD	5.7.8	Providing, fitting and fixing split bamboo woven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails, bamboo labour for complete job as per specification and direction of E / I.									
				0	0	0.00	0.00	-	0.00			
				0	0	0.00	0.00	-	0.00			
								Total:-	0.00	Sqm	426.14	0.00
3	WRD	5.7.9	Supplying, fitting and fixing 62 mm to 75 mm 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, all material and labour complete job as per specification and direction of E/I.									
						30.00	-	-	0.00			
						30.00	-	-	0.00			
								Total:-	0.00	Mtr.	27.71	0.00
4	WRD	5.7.46 (b)	Supplying and placing bamboo roll each roll of 4 nos uncleared full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with annealed wire 20 to 25 SWG at least at three places along its length, 3 nos loads filled with (Brick bats) in empty cement bags and trying it with B.A. wire 8 to 10 SWG launching in river and placing in position and trying the bamboo roll at one end at least 15M away from the river bank to Bamboo post, including piling of bamboo post & royality etc. and carriage of all materials at site all complete job as per specification and direction of E/I.									
				0	0	-	-	-	0.00			
				0	0	-	-	-	0.00			
								Total:-	0.00	No.	1118.26	0.00
5	WRD	5.7.47 (a)	Supplying, making and placing in position Tree branches and Jhankhi covering cover over all space of abour of 2.832 Cum providing 3 nos. of loads by filling boulder spall in EC bags, trying with 20 to 25 SWG annealed wire to the tree spur and anchoring the same with B.A.wire 8 to 10 SWG to the bamboo post at least 15M away from the river bank including piling of bamboo post & royality etc. and carriage of all materials at site all complete job as per specification and direction of E/I.									
				0	0	-	-	-	0.00			
				0	0	-	-	-	0.00			
								Total:-	0.00	No.	1562.35	0.00
6	3.14	303.1	**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.									
				1	8	30.00	5.00	2.50	3000.00			
				1	1	10.00	5.00	3.00	150.00			
								Total:-	3150.00	Cum	174.93	551030.00
7	10.01	3002.0	**Restoration of Rain Cuts (By Manual Means)** 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

Sl. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
8	9.2 (i)	1100 & 800	**Sand filling or Type B (First class) bedding** Fillling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	1	7	30.00	5.00	0.30	315.00			
								Total:-	315.00	Cum	514.43	162045.00
9	WRD	5.7.40	**Brick bats** Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I									
			DITCH	1	1	30.00	5.00	0.90	135.00			
				1	1	30.00	5.00	1.10	165.00			
				1	1	30.00	5.00	0.90	135.00			
				1	1	30.00	5.00	1.50	225.00			
				1	1	30.00	5.00	1.20	180.00			
				1	1	30.00	5.00	1.20	180.00			
				1	1	30.00	5.00	1.20	180.00			
				1	1	30.00	5.00	0.90	135.00			
				1	1	30.00	5.00	0.60	90.00			
						270.00						
								Total:-	1425.00	Cum	2168.72	3090426.00
10	4.1	401 (i)	**Granular Sub-base with Well Graded Material (By mix in place method) For Grading II Material** 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			**RCC Pipe NP3 as per design in Single Row (1000mm Dia.)** 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	2.50	-	-	0.00			
				0	0	0.00	-	-	0.00			
								Total:-	0.00	Mtr.	4452.39	0.00
12			**RCC Pipe NP3 as per design in Single Row (600mm Dia.)** 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			
								Total:-	0.00	Mtr.	1752.33	0.00
13			**RCC Pipe NP3 as per design in Single Row (300mm Dia.)** 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.	SOR MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
14	5.7.52	**Supply of new bag with NC** 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), stiching on two line by approved nylon thread with stiching 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	**Providing and filling empty cement bags** Supply of new bag with labour for filling new EC bag with local sand (volume of filled bag 1.2 cft and weight 50kg), stiching on two line by approved nylon thread with stiching 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.									
							Total:-	0.00	Cum		
							@ 0.034 Cum each bag	0	No.	38.03	0.00
										TOTAL	**3803501.00**

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND	315.00	1.20	=	378.00	Cum	141.85	53619.00
BRICK BAT	1425.00	1.20	=	1710.00	Cum	1,050.00	1795500.00
GSB	3150.00	1.28	=	4032.00	Cum	285.35	1150531.00
LOCAL SAND	0.00	1.20	=	0.00	Cum	141.85	0.00
				TOTAL MATERIAL COST:-			**2999650.00**
				SEIGNORAGE FEE		10%	**299965.00**

30/11/21
J.E
R.W.D
Dighalbank

30/11/21
A.E
R.W.D
Dighalbank

E.E
R.W.D
Kishanganj - 2
16/12/4

Name of Work :- T02 KATAMATHA TO TAPPU PART IV

Sl. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	WRD	5.7.7	Providing bamboo piles including labour for cutting of 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete job as per specification and direction of E/I									
				2	105	3.00	-	-	630.00			
				2	105	3.00	-	-	630.00			
				2	105	3.00	-	-	630.00			
								Total:-	1890.00	Mtr.	52.24	98734.00
2	WRD	5.7.8	Providing, fitting and fixing split bamboo woven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails, bamboo labour for complete job as per specification and direction of E / I.									
				0	0	0.00	0.00	-	0.00			
				0	0	0.00	0.00	-	0.00			
								Total:-	0.00	Sqm	426.14	0.00
3	WRD	5.7.9	Supplying, fitting and fixing 62 mm to 75 mm 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, all material and labour complete job as per specification and direction of E/I.									
				2	3	30.00	-	-	180.00			
				2	3	30.00	-	-	180.00			
				2	3	30.00	-	-	180.00			
								Total:-	540.00	Mtr.	27.71	14963.00
4	WRD	5.7.46 (b)	Supplying and placing bamboo roll each roll of 4 nos uncleared full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with annealed wire 20 to 25 SWG at least at three places along its length, 3 nos loads filled with (Brick bats) in empty cement bags and trying it with B.A. wire 8 to 10 SWG launching in river and placing in position and trying the bamboo roll at one end at least 15M away from the river bank to Bamboo post, including piling of bamboo post & royality etc. and carriage of all materials at site all complete job as per specification and direction of E/I.									
				0	0	-	-	-	0.00			
				0	0	-	-	-	0.00			
								Total:-	0.00	No.	1118.26	0.00
5	WRD	5.7.47 (a)	Supplying, making and placing in position Tree branches and Jhankhi covering cover over all space of abour of 2.832 Cum providing 3 nos. of loads by filling boulder spall in EC bags, trying with 20 to 25 SWG annealed wire to the tree spur and anchoring the same with B.A.wire 8 to 10 SWG to the bamboo post at least 15M away from the river bank including piling of bamboo post & royality etc. and carriage of all materials at site all complete job as per specification and direction of E/I.									
				0	0	-	-	-	0.00			
				0	0	-	-	-	0.00			
								Total:-	0.00	No.	1562.35	0.00
6	3.14	303.1	**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.									
				0	0	0.00	0.00	0.00	0.00			
				0	0	0.00	0.00	0.00	0.00			
								Total:-	0.00	Cum	174.93	0.00
7	10.01	3002.0	**Restoration of Rain Cuts (By Manual Means)** 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

Sl. No.	SOR Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
8	9.2 (i)	1100 & 800	**Sand filling or Type B (First class) bedding** Fillling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9									
				1	1	30.00	2.20	0.30	19.80			
				1	1	20.00	2.40	0.30	14.40			
				1	1	15.00	2.50	0.30	11.25			
				1	1	18.00	2.20	0.30	11.88			
				1	1	22.00	2.70	0.30	17.82			
				1	1	20.00	2.20	0.30	13.20			
				1	1	25.00	2.20	0.30	16.50			
				1	1	15.00	2.60	0.30	11.70			
				1	1	17.00	2.50	0.30	12.75			
								Total:-	129.30	Cum	514.43	66516.00
9	WRD	5.7.40	**Brick bats** 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	2.20	0.90	59.40			
				1	1	20.00	2.40	1.20	57.60			
				1	1	15.00	2.50	1.60	60.00			
				1	1	18.00	2.20	1.70	67.32			
				1	1	22.00	2.70	1.80	106.92			
				1	1	20.00	2.20	1.70	74.80			
				1	1	25.00	2.20	1.60	88.00			
				1	1	15.00	2.60	1.40	54.60			
				1	1	17.00	2.50	1.50	63.75			
								Total:-	632.39	Cum	2168.72	1371477.00
10	4.1	401 (i)	**Granular Sub-base with Well Graded Material (By mix in place method) For Grading II Material** 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			**RCC Pipe NP3 as per design in Single Row (1000mm Dia.)** 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	2	2.50	-	-	0.00			
				0	0	0.00	-	-	0.00			
								Total:-	0.00	Mtr.	4452.39	0.00
12			**RCC Pipe NP3 as per design in Single Row (600mm Dia.)** 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			
								Total:-	0.00	Mtr.	1752.33	0.00

Sl. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
13			**RCC Pipe NP3 as per design in Single Row (300mm Dia.)** 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
14		5.7.52	**Supply of new bag with NC** 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), stiching on two line by approved nylon thread with stiching 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	**Providing and filling empty cement bags** Supply of new bag with labour for filling new EC bag with local sand (volume of filled bag 1.2 cft and weight 50kg), stiching on two line by approved nylon thread with stiching 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	1	30.00	1.60	2.00	96.00			
				1	1	20.00	1.50	2.20	66.00			
				1	1	15.00	1.80	2.50	67.50			
				1	1	18.00	1.70	2.25	68.85			
				1	1	22.00	2.00	2.20	96.80			
				1	1	20.00	1.90	2.60	98.80			
				1	1	25.00	1.80	2.20	99.00			
				1	1	15.00	1.90	2.40	68.40			
				1	1	17.00	1.80	2.50	76.50			
								Total:-	737.85	Cum		
								@ 0.034 Cum each bag	21701	No.	38.03	825289.00
											TOTAL	**2376979.00**

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND	129.30	1.20	=	155.16	Cum	141.85	22009.00
BRICK BAT	632.39	1.20	=	758.87	Cum	1,050.00	796811.00
GSB	0.00	1.28	=	0.00	Cum	285.35	0.00
LOCAL SAND	737.85	1.20	=	885.42	Cum	141.85	125597.00
				TOTAL MATERIAL COST:-			**944417.00**
				SEIGNORAGE FEE		10%	**94442.00**

30/11/21
J.E
R.W.D
Dighalbank

30/11/21
A.E
R.W.D
Dighalbank

S.E
R.W.D
Kishanganj - 2