

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

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

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

Name of Work :- REPAIR OF ROAD FROM TEDAGACHH TO BALUBARI
ROAD VIA MATIYARI PART-B

Block :- Dighalbank

Estimated cost :- Rs 4089096.00

Year : 2021-22

Inspection Report for Flood Damage Work

1. Name of PIUs : K2shanganj

2. Name Of Block / Road : Dighalbank

A. For Road

1 Damage Location / Chainage :

2 Damage Length : 999.70m

3 Nature Of Damage : Cut and erosion of flank & crust

4 Details Of Restoration : Bamboo, Pilling, runner, sand filling, Brick
bat laying, GSB, filling, REC NP3HP (100mm)
Geomat EC bag, with L-sand

i) Material Being Used In Restoration : Bamboo, sand, Brickbat, GSB, REC, HP,
EC bag, L sand

ii) Equipment / Tools Being Used In Restoration Works : Tractor, Trolley, JCB, minor tools

iii) Procedure Taken Up In Restoration Works : Manually

iv) Restored Length : 999.70m

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.

Cearu
16/12/21
Signature

(Name Of Inspector)

Signature of JE / AE / EE
16/12/21
16/12/21
91

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-2 अंतर्गत दीघलबैंक प्रखंड के पथ "TEDAGACHH TO BALUBARI ROAD VIA MATIYARI PART- B" 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 कंकड़ 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 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।


कनीय अभियंता

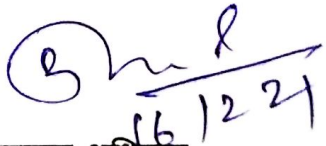
ग्रामीण कार्य विभाग

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 :-	REPAIR OF ROAD FROM TEDAGACHH TO BALUBARI ROAD VIA MATIYARI PART-B	
Block :-	Dighalbank	
Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work :-	Rs 3490501.00
B	Add 12 % GST	Rs 418860.00
C	Add 1 % L. Cess	Rs 34905.00
D	Add S.Fee @ 10 % of Material Cost	Rs 144830.00
	Total Cost with GST, LC & S.Fee	Rs 4089096.00

[Signature]
36/11/21
J.E
R.W.D
Dighalbank

[Signature]
30/11/21
A.E
R.W.D
Dighalbank

[Signature]
12.12.21
E.E
R.W.D
Kishanganj - 2

Technical sanction for Rs. 40,89,096/- (Forty
lakh eighty nine thousand ninety six) only.

[Signature]
04/04/22
E.O

[Signature]
04/04/22
अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, किशनगंज

Detailed Estimate

Name of Work :- REPAIR OF ROAD FROM TEDAGACHH TO BALUBARI ROAD VIA MATIYARI PART-B

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	1	105	3.50	-	-	367.50			
				1	105	3.50	-	-	367.50			
				1	105	3.50	-	-	367.50			
				1	105	3.50	-	-	367.50			
				1	105	3.50	-	-	367.50			
				1	105	3.50	-	-	367.50			
								Total:-	1837.50	Mtr.	52.24	95991.00
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.	1	3	30.00	-	-	90.00			
				1	3	30.00	-	-	90.00			
				1	3	30.00	-	-	90.00			
				1	3	30.00	-	-	90.00			
				1	3	30.00	-	-	90.00			
				1	3	30.00	-	-	90.00			
								Total:-	540.00	Mtr.	27.71	14963.00
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	9.00	3.70	0.15	5.00			
				1	1	3.40	1.80	0.15	0.92			
				1	1	24.20	2.00	0.15	7.26			
				1	1	5.00	1.00	0.15	0.75			
				1	1	12.00	1.70	0.15	3.06			
				1	1	6.00	2.50	0.15	2.25			
				1	1	8.00	2.80	0.15	3.36			
				1	1	4.00	3.00	0.15	1.80			
				1	1	6.00	3.00	0.15	2.70			
				1	1	9.40	3.30	0.15	4.65			
				1	1	9.00	1.00	0.15	1.35			
				1	1	14.00	1.40	0.15	2.94			
				1	1	2.50	1.50	0.15	0.56			
				1	1	7.50	3.50	0.15	3.94			
				1	1	8.00	3.30	0.15	3.96			
				1	1	10.00	1.00	0.15	1.50			
				1	1	4.00	3.00	0.15	1.80			
				1	1	7.40	1.50	0.15	1.67			
				1	1	30.00	4.50	0.15	20.25			
				1	1	30.00	4.50	0.15	20.25			
				1	1	30.00	4.50	0.15	20.25			
				1	1	13.50	4.50	0.15	9.11			
				1	1	30.00	4.40	0.15	19.80			
				1	1	16.00	4.40	0.15	10.56			
				1	1	30.00	4.50	0.15	20.25			
				1	1	30.00	5.50	0.15	24.75			
				1	1	30.00	5.50	0.15	24.75			
				1	1	9.50	3.50	0.15	4.99			
				1	1	12.10	1.20	0.15	2.18			
				1	1	9.00	4.30	0.15	5.81			
				1	1	8.30	3.00	0.15	3.74			
				1	1	30.00	2.50	0.15	11.25			

Sl. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
				1	1	30.00	4.70	0.15	21.15			
				1	1	30.00	4.70	0.15	21.15			
				1	1	30.00	4.70	0.15	21.15			
				1	1	30.00	5.00	0.15	22.50			
				1	1	30.00	5.00	0.15	22.50			
				1	1	30.00	5.00	0.15	22.50			
				1	1	30.00	5.00	0.15	22.50			
				1	1	30.00	7.30	0.15	32.85			
				1	1	14.70	4.70	0.15	10.36			
				1	1	11.00	1.80	0.15	2.97			
				1	1	10.00	3.50	0.15	5.25			
				1	1	6.00	4.00	0.15	3.60			
				1	1	11.00	3.00	0.15	4.95			
				1	1	4.70	2.60	0.15	1.83			
				1	1	24.00	2.70	0.15	9.72			
				1	1	5.00	2.00	0.15	1.50			
				1	1	7.00	1.50	0.15	1.58			
				1	1	21.00	2.70	0.15	8.51			
				1	1	8.00	3.00	0.15	3.60			
				1	1	8.00	3.70	0.15	4.44			
				1	1	2.00	2.50	0.15	0.75			
				1	1	5.20	4.80	0.15	3.74			
				1	1	12.00	4.20	0.15	7.56			
				1	1	4.00	1.00	0.15	0.60			
				1	1	8.10	2.00	0.15	2.43			
				1	1	12.00	4.00	0.15	7.20			
				1	1	5.00	3.20	0.15	2.40			
				1	1	3.20	1.20	0.15	0.58			
			Bibiganj	1	1	30.00	4.60	0.15	20.70			
				1	1	30.00	4.50	0.15	20.25			
				1	1	30.00	4.70	0.15	21.15			
				1	1	20.00	4.70	0.15	14.10			
				1	1	8.00	3.20	0.15	3.84			
Total:-									597.32	Cum	514.43	307279.00

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	9.00	3.70	0.30	9.99
1	1	3.40	1.80	0.30	1.84
1	1	24.20	2.00	0.30	14.52
1	1	5.00	1.00	0.30	1.50
1	1	12.00	1.70	0.30	6.12
1	1	6.00	2.50	0.30	4.50
1	1	8.00	2.80	0.30	6.72
1	1	4.00	3.00	0.30	3.60
1	1	6.00	3.00	0.30	5.40
1	1	9.40	3.30	0.30	9.31
1	1	9.00	1.00	0.30	2.70
1	1	14.00	1.40	0.30	5.88
1	1	2.50	1.50	0.30	1.13
1	1	7.50	3.50	0.30	7.88
1	1	8.00	3.30	0.30	7.92
1	1	10.00	1.00	0.30	3.00
1	1	4.00	3.00	0.30	3.60
1	1	7.40	1.50	0.30	3.33
1	1	30.00	3.75	0.30	33.75
1	1	30.00	3.75	0.30	33.75
1	1	30.00	3.75	0.30	33.75
1	1	13.50	3.75	0.30	15.19
1	1	30.00	3.75	0.30	33.75
1	1	16.00	3.75	0.30	18.00
1	1	30.00	3.75	0.30	33.75
1	1	30.00	3.75	0.30	33.75
1	1	30.00	3.75	0.30	33.75
1	1	9.50	3.50	0.30	9.98
1	1	12.10	1.20	0.30	4.36
1	1	9.00	3.75	0.30	10.13

Sl. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
				1	1	8.30	3.00	0.30	7.47			
				1	1	30.00	2.50	0.30	22.50			
				1	1	30.00	3.75	0.30	33.75			
				1	1	30.00	3.75	0.30	33.75			
				1	1	30.00	3.75	0.30	33.75			
				1	1	30.00	3.75	0.30	33.75			
				1	1	30.00	3.75	0.30	33.75			
				1	1	30.00	3.75	0.30	33.75			
				1	1	30.00	3.75	0.30	33.75			
				1	1	14.70	3.75	0.30	16.54			
				1	1	11.00	1.80	0.30	5.94			
				1	1	10.00	3.50	0.30	10.50			
				1	1	6.00	3.75	0.30	6.75			
				1	1	11.00	3.00	0.30	9.90			
				1	1	4.70	2.60	0.30	3.67			
				1	1	24.00	2.70	0.30	19.44			
				1	1	5.00	2.00	0.30	3.00			
				1	1	7.00	1.50	0.30	3.15			
				1	1	21.00	2.70	0.30	17.01			
				1	1	8.00	3.00	0.30	7.20			
				1	1	8.00	3.70	0.30	8.88			
				1	1	2.00	2.50	0.30	1.50			
				1	1	5.20	3.75	0.30	5.85			
				1	1	12.00	3.75	0.30	13.50			
				1	1	4.00	1.00	0.30	1.20			
				1	1	8.10	2.00	0.30	4.86			
				1	1	12.00	3.75	0.30	13.50			
				1	1	5.00	3.20	0.30	4.80			
				1	1	3.20	1.20	0.30	1.15			
			Bibiganj	1	1	30.00	3.75	0.30	33.75			
				1	1	30.00	3.75	0.30	33.75			
				1	1	30.00	3.75	0.30	33.75			
				1	1	20.00	3.75	0.30	22.50			
				1	1	8.00	3.20	0.30	7.68			
				Total:-					982.59	Cum	2168.72	2130963.00
10	4.1	401	Granular Sub-base with Well Graded Material									
		(i)	(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.									
				1	1	2.00	3.70	0.15	1.11			
				1	1	2.20	1.80	0.15	0.59			
				1	1	2.60	2.00	0.15	0.78			
				1	1	1.70	1.00	0.15	0.26			
				1	1	11.00	1.70	0.15	2.81			
				1	1	5.00	2.50	0.15	1.88			
				1	1	3.70	2.80	0.15	1.55			
				1	1	2.70	3.00	0.15	1.22			
				1	1	2.00	3.00	0.15	0.90			
				1	1	1.50	3.30	0.15	0.74			
				1	1	10.00	1.00	0.15	1.50			
				1	1	3.20	1.40	0.15	0.67			
				1	1	5.70	1.50	0.15	1.28			
				1	1	1.50	3.50	0.15	0.79			
				1	1	4.30	3.30	0.15	2.13			
				1	1	4.20	1.00	0.15	0.63			
				1	1	3.20	3.00	0.15	1.44			
				1	1	1.50	1.50	0.15	0.34			
				1	1	4.20	3.75	0.15	2.36			
				1	1	3.00	3.75	0.15	1.69			
				1	1	4.80	3.75	0.15	2.70			
				1	1	2.20	3.75	0.15	1.24			
				1	1	4.50	3.75	0.15	2.53			
				1	1	2.00	3.75	0.15	1.13			

Sl. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)	
				1	1	4.00	3.75	0.15	2.25				
				1	1	1.80	3.75	0.15	1.01				
				1	1	3.70	3.75	0.15	2.08				
				1	1	2.70	3.50	0.15	1.42				
				1	1	7.60	1.20	0.15	1.37				
				1	1	3.30	3.75	0.15	1.86				
				1	1	9.00	3.00	0.15	4.05				
				1	1	4.00	2.50	0.15	1.50				
				1	1	2.30	3.75	0.15	1.29				
				1	1	1.40	3.75	0.15	0.79				
				1	1	7.00	3.75	0.15	3.94				
				1	1	3.00	3.75	0.15	1.69				
				1	1	6.30	3.75	0.15	3.54				
				1	1	2.00	3.75	0.15	1.13				
				1	1	6.00	3.75	0.15	3.38				
				1	1	6.00	3.75	0.15	3.38				
				1	1	15.30	3.75	0.15	8.61				
				1	1	20.00	1.80	0.15	5.40				
				1	1	2.00	3.50	0.15	1.05				
				1	1	2.40	3.75	0.15	1.35				
				1	1	4.70	3.00	0.15	2.12				
				1	1	4.00	2.60	0.15	1.56				
				1	1	23.40	2.70	0.15	9.48				
				1	1	30.00	2.00	0.15	9.00				
				1	1	30.00	1.50	0.15	6.75				
				1	1	30.00	2.70	0.15	12.15				
				1	1	13.50	3.00	0.15	6.08				
			Patharghati	1	1	30.00	3.70	0.15	16.65				
				1	1	30.00	2.50	0.15	11.25				
				1	1	30.00	3.75	0.15	16.88				
				1	1	30.00	3.75	0.15	16.88				
				1	1	30.00	1.00	0.15	4.50				
				1	1	30.00	2.00	0.15	9.00				
				1	1	30.00	3.75	0.15	16.88				
				1	1	30.00	3.20	0.15	14.40				
				1	1	30.00	1.20	0.15	5.40				
				1	1	14.70	3.75	0.15	8.27				
				1	1	2.50	3.75	0.15	1.41				
				1	1	30.00	3.75	0.15	16.88				
				1	1	18.00	3.75	0.15	10.13				
				Total:-						279.03	Cum	2977.54	830823.00
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.										
				2	3	2.50	-	-	15.00				
				0	0	0.00	-	-	0.00				
				Total:-						15.00	Mtr.	4452.39	66786.00
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	3	2.50	-	-	0.00				
				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.	SDB No.	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), 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	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), 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	1	13.20	0.60	1.70	13.46			
				1	1	23.70	0.60	1.80	25.60			
									Total:-	39.06	Cum	
									@ 0.034 Cum each bag	1149	No.	
											38.03	43696.00
											TOTAL	3490501.00

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND	597.32	1.20	=	716.78	Cum	141.85	101676.00
BRICK BAT	982.59	1.20	=	1179.11	Cum	1,050.00	1238063.00
GSB	279.03	1.28	=	357.16	Cum	285.35	101915.00
LOCAL SAND	39.06	1.20	=	46.87	Cum	141.85	6649.00
				TOTAL MATERIAL COST:-			1448303.00
				SEIGNORAGE FEE 10%			144830.00

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

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13/11/21
A.E
R.W.D
Dighalbank

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