

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

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

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

Name of Work :-	MALAMLLI VANBASTI SE ADIVASI TOLA
Block :-	Dighalbank
Estimated cost :-	Rs 6623853.00

Year : 2021-22

Inspection Report for Flood Damage Work

1. Name of PIUs

: Keshavgang-2

2. Name Of Block / Road

: Dighalbank

Malamuli Vanbast 2 Se Adivasitola

A. For Road

1. Damage Location / Chainage

:

2. Damage Length

: 392-20m

3. Nature Of Damage

: Cut and erosion of Flank & crust

4. Details Of Restoration

: Bamboo Piling, Turner, E/W, Sand Filling

: Brickbat Laying, RCC Pipe NP3 HP

: Ec bag with L-Sand

i) Material Being Used In Restoration

: Bamboo, E/W, Sand, Brickbat, RCC 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

: 392-20m

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

::

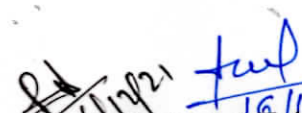
iv) Restored Length

:

Satisfactory


Signature

(Name Of Inspector)


Signature of JE / AE / EE

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-2 अंतर्गत दीघलबैंक प्रखंड के पथ "MALMALI TO VANBASTI ADIVASI TOLA" 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।


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 :-	MALAMLLI VANBASTI SE ADIVASI TOLA	
Block :-	Dighalbank	
Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work :-	Rs 2725079.00
B	Add 12 % GST	Rs 327009.00
C	Add 1 % L. Cess	Rs 27251.00
D	Add S.Fee @ 10 % of Material Cost	Rs 134071.00
	TOTAL Cost of Restoration work :- A	Rs 3213410.00
A	Cost of Restoration work :-	Rs 2889211.00
B	Add 12 % GST	Rs 346705.00
C	Add 1 % L. Cess	Rs 28892.00
D	Add S.Fee @ 10 % of Material Cost	Rs 145635.00
	TOTAL Cost of Restoration work :- B	Rs 3410443.00
	Total Cost with GST, LC & S.Fee :- (A+B)	Rs 6623853.00


J.E.
R.W.D
Dighalbank


A.E.
R.W.D
Dighalbank


E.E.
R.W.D
Kishanganj - 2

*Technical Sanction for Rs. 66,23,853/- (Sixty six lacs
thirty three thousand eight hundred fifty three) only.*


Pallavi
04/04/22
E.O


अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, किशनगंज
04.04.22

Detailed Estimate

Name of Work :-			MALAMLLI VANBASTI SE ADIVASI TOLA					1ST DIVERSION			Rate (Rs.)	Amount (Rs.)
Sl. No.	SDB No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit		
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	70	3.00	-	-	210.00			
				1	105	3.00	-	-	315.00			
				1	70	3.00	-	-	210.00			
				Total:-					735.00	Mtr.	52.24	38396.00
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	20.00	-	-	60.00			
				1	3	30.00	-	-	90.00			
				1	3	20.00	-	-	60.00			
				Total:-					210.00	Mtr.	27.71	5819.00
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	1	30.00	4.65	0.30	41.85			
				1	1	30.00	4.50	0.30	40.50			
				1	1	7.00	5.80	0.30	12.18			
				1	1	30.00	4.50	0.30	40.50			
				1	1	16.00	4.80	0.30	23.04			
				Total:-					158.07	Cum	174.93	27651.00
8	9.2 (i)	1100 & 800	Sand filling or Type B (First class) bedding Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	1	1	18.00	6.70	0.30	36.18			
				1	1	5.00	1.00	0.30	1.50			
				1	1	30.00	1.00	0.30	9.00			
				1	1	30.00	1.00	0.30	9.00			
				1	1	15.00	1.00	0.30	4.50			
				1	1	30.00	4.65	0.30	41.85			
				1	1	30.00	4.50	0.30	40.50			
				1	1	7.00	5.80	0.30	12.18			
				1	1	30.00	4.50	0.30	40.50			
				1	1	16.00	4.80	0.30	23.04			
				Total:-					218.25	Cum	514.43	112274.00
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	18.00	6.70	0.60	72.36			
				1	1	5.00	1.50	1.20	9.00			
				1	1	30.00	1.50	1.20	54.00			
				1	1	30.00	1.50	1.20	54.00			
				1	1	15.00	1.50	1.20	27.00			
			DITCH	1	1	30.00	7.00	1.50	315.00			
				1	1	30.00	4.65	1.10	153.45			

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	4.50	0.90	121.50			
				1	1	7.00	5.80	1.50	60.90			
				1	1	30.00	4.50	0.70	94.50			
				1	1	16.00	4.80	0.60	46.08			
				Total:-					1007.79	Cum	2168.72	2185614.00
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.									
				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.									
				2	5	2.50	-	-	25.00			
				2	1	2.50	-	-	5.00			
				Total:-					30.00	Mtr.	4452.39	133572.00
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	18.00	0.90	0.90	14.58			
				1	1	5.50	0.90	0.90	4.46			
				1	1	30.00	0.90	0.90	24.30			
				1	1	30.00	0.90	0.90	24.30			
				1	1	15.00	0.90	0.90	12.15			
				1	1	30.00	0.80	1.20	28.80			
				1	1	30.00	0.90	1.10	29.70			
				1	1	7.00	0.75	1.25	6.56			
				1	1	30.00	0.85	1.20	30.60			
				1	1	16.00	0.95	1.50	22.80			
				Total:-					198.25	Cum		
				@ 0.034 Cum each bag					5831	No.	38.03	221753.00
											TOTAL	2725079.00

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND	218.25	1.20	=	261.90	Cum	141.85	37151.00
BRICK BAT	1007.79	1.20	=	1209.35	Cum	1,050.00	1269815.00
GSB	0.00	1.28	=	0.00	Cum	285.35	0.00
LOCAL SAND	198.25	1.20	=	237.90	Cum	141.85	33746.00
TOTAL MATERIAL COST:-							1340712.00
SEIGNORAGE FEE 10%							134071.00


 J.E.
 R.W.D
 Dighalbank


 A.E.
 R.W.D
 Dighalbank


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

Detailed Estimate

Name of Work :-			MALAMLLI VANBASTI SE ADIVASI TOLA						2ND DIVERSION				
Sl. No.	SDB 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	3.00	-	-	315.00				
				1	56	3.00	-	-	168.00				
				1	105	3.00	-	-	315.00				
				Total:-						798.00	Mtr.	52.24	41688.00
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	16.00	-	-	48.00				
				1	3	30.00	-	-	90.00				
				Total:-						228.00	Mtr.	27.71	6318.00
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	1	30.00	4.85	0.30	43.65				
				1	1	30.00	4.80	0.30	43.20				
				1	1	30.00	4.80	0.30	43.20				
				1	1	10.00	5.80	0.30	17.40				
				Total:-						147.45	Cum	174.93	25793.00
7	10.01	3002.0	Restoration of Rain Cuts (By Manual Means)										
8	9.2 (i)	1100 & 800	Sand filling or Type B (First class) bedding Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9	1	1	17.00	2.50	0.30	12.75				
				1	1	18.00	2.10	0.30	11.34				
				1	1	4.20	1.00	0.30	1.26				
				1	2	23.00	2.20	0.30	30.36				
				1	2	19.00	1.50	0.30	17.10				
				1	1	30.00	4.85	0.30	43.65				
				1	1	30.00	4.80	0.30	43.20				
				1	1	30.00	4.80	0.30	43.20				
				1	1	10.00	5.80	0.30	17.40				
				Total:-						220.26	Cum	514.43	113308.00
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	17.00	2.50	0.90	38.25				
				1	1	18.00	2.10	1.25	47.25				
				1	1	4.20	1.00	1.25	5.25				
			DITCH	1	1	26.50	5.50	1.50	218.63				
				1	2	23.00	2.20	1.25	126.50				
				1	2	19.00	1.50	1.25	71.25				
				1	1	30.00	4.85	1.25	181.88				
				1	1	30.00	4.80	1.25	180.00				

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	4.80	1.00	144.00			
				1	1	17.00	5.80	0.90	88.74			
				Total:-					1101.75	Cum	2168.72	2389387.00
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.									
				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.									
				5	2	2.50	-	-	25.00			
				Total:-					25.00	Mtr.	4452.39	111310.00
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	17.00	0.70	0.90	10.71			
				1	1	18.00	0.70	0.90	11.34			
				1	1	4.20	0.70	0.90	2.65			
				1	2	23.00	0.70	0.90	28.98			
				1	2	19.00	0.70	0.90	23.94			
				1	1	30.00	0.80	1.20	28.80			
				1	1	30.00	0.90	1.10	29.70			
				1	1	30.00	0.95	1.05	29.93			
				1	1	17.00	0.75	1.10	14.03			
				Total:-					180.08	Cum		
				@ 0.034 Cum each bag					5296	No.	38.03	201407.00
											TOTAL	2889211.00

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND	220.26	1.20	=	264.31	Cum	141.85	37493.00
BRICK BAT	1101.75	1.20	=	1322.10	Cum	1,050.00	1388205.00
GSB	0.00	1.28	=	0.00	Cum	285.35	0.00
LOCAL SAND	180.08	1.20	=	216.10	Cum	141.85	30653.00
TOTAL MATERIAL COST:-							1456351.00
SEIGNORAGE FEE 10%							145635.00

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

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

[Signature]
R.W.D
Kishan Ganj - 2