



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR MORTABLE REPAIRING OF ROAD

F.D.R MORTABLE RESTORATION (YEAR - 2021)

BELWA (BOROBARI MIDDLE SCHOOL) TO RAMGANJ NEAR DHOHIDANGA BRI

DETAILED ESTIMATE OF F. D. R MORTABLE REPAIRING ROAD

BRIDGE LENGTH	59.74M		
DISTRICT	KISHANGANJ		
BLOCK	POTHIA		
DIVISION	KISHANGANJ-2		
TOTAL LENGTH OF BRIDGE	:	59.740	M
TOTAL COST OF F.D.R PART - A	:	17.111	LAKH
ADD GST @ 12 %	:	2.053	LAKH
ADD LABOUR CESS @ 1 %	:	0.171	LAKH
ADD Seigniorage Fee @ 10%	:	0.685	LAKH
TOTAL COST OF RESTORATION WORK in Rs.	:	20.020	LAKH

-:Submitted By:-
EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
WORKS DIVISION KISHANGANJ-2

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमण्डल किशनगंज -2 अन्तर्गत पो. 621
बंद के पथ ..To.. Behua (Barohini middle school) to Kungreh New Dohiduga Bridge (Pmmsy) जो
राष्ट्रीय Online Monitoring System MIS पर अपलोड है के बाढ़ 2021 से क्षतिग्रस्त हो जाने के
कारण यातायात लायक Motorable हेतु बनाया गया है। इस कार्य को करने का निर्देश ग्रामीण कार्य
भाग, बिहार सरकार के पत्रांक:-गु0अ0-4(गु0) विविध (कार्य) -23-291/2019-4276/पटना, दिनांक-
10/10/2021 से प्राप्त है। इस पत्र से Real time Geotagged Photographs को कार्य के दौरान
अपलोड करते हुए (Motorable) कार्य कराना सुनिश्चित करने का निर्देश प्राप्त है।

उक्त निर्देश के आलोक में डोक नदी अतिवृष्टि/बाढ़ उपचार से आए बाढ़ के कारण इस पथ के
बंद के क्षतिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Motorable कार्य कराया गया है। MIS में
अपलोडेड फोटो दिनांक का Lat/Long के साथ लिया गया है। नेपाल तराई से
कलनेवाली इस नदी के तेज धार से इस पथ में कटाव की स्थिति बनी। गोटरेवल कार्य में
अवश्यकतानुसार मिट्टी भराई, लोकल बालु भराई, खाली सिमेंट बैग में लोकल बालु भरकर, बॉस का
इल, चघरी, बॉस का रनर, ह्यूम पाइप एवं ब्रिक बैट का इस्तेमाल किया गया है। निर्देशानुसार कराए
ए कार्य कि Geotagged Photographs Real Time के साथ MIS पर उद्धृत है। MIS की
छायाप्रति, अपलोडेड फोटोग्राफ की छायाप्रति, दर विश्लेषण एवं विनागीय आदेशों की छायाप्रति प्राक्कलन
संलग्न की जा रही है। प्राक्कलन में प्रयुक्त दर अद्यतन है।

प्राक्कलन की यथाशीघ्र अनुमोदन अपेक्षित है ताकि अग्रेतर कार्रवाई की जा सके।

नीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, पो. 621

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल, पो. 621

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल किशनगंज-2

Inspection Report for Flood Damage Work

1. Name of PIUs

: Rishangari-2

2. Name Of Block / Road

: Patki 1
T61 - Belwa (Barabani Middle School) T6
Ramgarh Near Dhobidanga

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

: T61 - Belwa (Barabani Middle School) T6
Ramgarh Near Dhobidanga

B. For Bridge

1. Damage Location / Chainage

:

2. Damage Length

: 185M

3. Nature Of Damage

: Diversion Cut & erosion

4. Details Of Restoration

: Earth work, Bumbo filling, sand filling
Brickbat laying, i.e. Bag with C-sand

i) Material Being Used In Restoration

: Soil, sand, Bricks, i.e. bags, C-sand, Bumbo

ii) Equipment / Tools Being Used in Restoration Works

: Tractor, Trolley, JCB

iii) Procedure Taken Up In Restoration Works

: Manually

iv) Restored Length

: 185M

Work has been Complete & Satisfactory

Signature of JE / AE / EE

Signature

(Name Of Inspector)

ABSTRACT OF COST

Name of Work :-		T01 BELWA (BOROBARI MIDDLE SCHOOL) TO RAMGANJ NEAR DHOHIDANGA BRIDGE
Block :-		Pothia
Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work :-	Rs 1711079.00
B	Add 12 % GST	Rs 205329.00
C	Add 1 % L. Cess	Rs 17111.00
D	Add S.Fee @ 10 % of Material Cost	Rs 68513.00
	Total Cost with GST, LC & S.Fee	Rs 2002032.00

[Signature]
15/11/21
J.E
R.W.D
Pothia

[Signature]
15/11/21
A.E
R.W.D
Pothia

[Signature]
16/11/21
E.E
R.W.D
Kishanganj - 2

Technically Sanction for Rs 20,02,032.00 (Rupees twenty Lacs two thousand thirty two) only

[Signature]
04/04/22
F.O.

[Signature]
04.04.22
अधीक्षण अभियन्ता
प्राचीन कार्य विभाग
कायमगंज, कलकत्ता

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD :-	T01 BELWA (BOROBARI MIDDLE SCHOOL) TO RAMGANJ NEAR DHOHIDANGA BRIDGE	
DISTRICT :	KISHANGANJ	
DIVISION :	KISHANGANJ-2	
BLOCK :-	POTHIA	
LENGTH OF BRIDGE (IN M)	59.74	
Sl. No.	ITEM OF WORK	Amount (In LAKHS.)
1	LOCAL SAND	2.028
2	HUME PIPE	1.737
3	BRICK BATS	10.201
4	SAND BAGS	2.955
5	BAMBOO WORK	0.190
6	STEEL DRUM SHEET	0.000
	TOTAL COST OF PROJECT	17.111
	Add 12 % GST	2.053
	Add 1 % L. Cess	0.171
	Add Seigniorage Fee @ 10 % of Material Cost	0.685
	Total Cost of Restoration Work	20.020


J.E
R.W.D
POTHIA


A.E
R.W.D
POTHIA


E.E
R.W.D
Kishanganj - 2

Detailed Estimate

Name of Work :- T01 BELWA (BOROBARI MIDDLE SCHOOL) TO RAMGANJ NEAR DHOHIDANGA BRIDGE													
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	3.00	-	-	315.00				
									Total:-	315.00	Mtr.	52.24	16456.00
2	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				
									Total:-	90.00	Mtr.	27.71	2494.00
3	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	5.50	0.75	123.75				
				1	1	30.00	3.50	0.80	84.00				
				1	1	30.00	3.50	0.65	68.25				
				1	1	20.00	3.50	0.90	63.00				
									Total:-	339.00	Cum	174.93	59301.00
4	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	5.50	0.45	74.25				
				1	1	30.00	3.50	0.35	36.75				
				1	1	30.00	3.50	0.45	47.25				
				1	1	20.00	3.50	0.55	38.50				
				1	1	30.00	3.50	0.45	47.25				
				1	1	20.00	3.50	0.50	35.00				
									Total:-	279.00	Cum	514.43	143526.00
5	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	5.50	1.00	165.00				
				1	1	30.00	3.50	0.60	63.00				
				1	1	30.00	3.50	0.55	57.75				
				1	1	20.00	3.50	0.65	45.50				
				1	1	30.00	3.50	0.60	63.00				
				1	1	25.00	3.50	0.35	30.63				
				1	1	20.00	3.50	0.65	45.50				
									Total:-	470.38	Cum	2168.72	1020123.00
6			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.	8	2	2.50	-	-	40.00				
									Total:-	40.00	Mtr.	4343.11	173724.00

SL No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
7		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	30.00	1.65	1.65	81.68			
				1	1	10.00	1.45	1.75	25.38			
				1	1	15.00	1.40	1.45	30.45			
				1	1	25.00	1.45	1.35	48.94			
				1	1	30.00	1.40	1.85	77.70			
			Total:-						264.15	Cum		
			@ 0.034 Cum each bag						7769	No.	38.03	295455.00
TOTAL											1711079.00	

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND			279.00	1.20	=	334.80	Cum	141.85	47491.00
BRICK BAT			470.38	1.20	=	564.46	Cum	1,050.00	592679.00
GSB			0.00	1.28	=	0.00	Cum	285.35	0.00
LOCAL SAND			264.15	1.20	=	316.98	Cum	141.85	44964.00
TOTAL MATERIAL COST:-									685134.00
SEIGNORAGE FEE 10%									68513.00

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J.E
R.W.D
Pothia

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A.E
R.W.D
Pothia

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E.E
R.W.D
Kishanganj - 2