



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR MORTABLE REPAIRING OF ROAD

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

T01 TO BELWA (BOROBARI MIDDLE SCHOOL) TO RAMGANJ PATH

DETAILED ESTIMATE OF F. D. R MORTABLE REPAIRING ROAD

ROAD LENGTH	0 TO 34.80M		
DISTRICT	KISHANGANJ		
BLOCK	POTHIA		
DIVISION	KISHANGANJ-2		
TOTAL LENGTH OF ROAD	:	34.800	KM
TOTAL COST OF F.D.R PART - A	:	7.904	LAKH
ADD GST @ 12 %	:	0.949	LAKH
ADD LABOUR CESS @ 1 %	:	0.079	LAKH
ADD Seigniorage Fee @ 10%	:	0.220	LAKH
TOTAL COST OF RESTORATION WORK in Rs.	:	9.152	LAKH

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

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमण्डल किशनगंज -2 अन्तर्गत Pottung
प्रखंड के पथ To Belwa (Barabani middle school) to Ramgarh Path. (Purwasy) जो
विभागीय Online Morititring System MIS पर अपलोड है को बाढ़ 2021 से क्षतिग्रस्त हो जाने के
कारण यातायात लायक Moterable हेतु बनाया गया है। इस कार्य को करने का निर्देश ग्रामीण कार्य
विभाग, बिहार सरकार के पत्रांक:-गु0अ0-4(गु0) विविध (कार्य) -23-291/2019-4276/पटना, दिनांक-
22/10/2021 से प्राप्त है। इस पत्र से Real time Geotagged Photographs को कार्य के दौरान
अपलोड करते हुए (Moterable) कार्य कराना सुनिश्चित करने का निर्देश प्राप्त है।

उक्त निर्देश के आलोक में शे.क.री अतिवृष्टि/बाढ़ उपचार से आए बाढ़ के कारण इस पथ के
रोडवे के क्षतिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Moterable कार्य कराया गया है। MIS में
उपलोडेड फोटो दिनांक का Lat/Long के साथ लिया गया है। नेपाल तराई से
निकलनेवाली इस नदी के तेज धार से इस पथ में कटाव की स्थिति बनी। गोटरेवल कार्य में
आवश्यकतानुसार मिट्टी भराई, लोकल बालु भराई, खाली सिमेंट बैग में लोकल बालु भरकर, बॉस का
गाइल, चघरी, बॉस का रनर, ह्यूम पाइप एवं ब्रिक बैट का इस्तेमाल किया गया है। निर्देशानुसार कराए
गए कार्य कि Geotagged Photographs Real Time के साथ MIS पर उद्धत 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 अद्यतन है।

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

Km
15/11/21
ग्रामीण अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, पो.क.री

Km
15/11/21
सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल, पो.क.री

Om
15/11/21
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

: Patti 9 /
T01 - Below (Barabani middle school) TB
Rangari Path

A. For Road

1. Damage Location / Chainage

:

2. Damage Length

: 127 m

3. Nature Of Damage

: Cut and erosion of bank & Gully

4. Details Of Restoration

: Earthwork, sand filling brickbat laying

i) Material Being Used In Restoration

: Soil, sand, brickbat (200g, 1-sand)

ii) Equipment / Tools Being Used In Restoration Works

: Tractor, Trolley, JCB

iii) Procedure Taken Up In Restoration Works

: Manually

iv) Restored Length

: 127 m

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

:

Work has been Completed Satisfactory

Signature of JE / AE / EE

Signature

(Name Of Inspector)

ABSTRACT OF COST

Name of Work :-	T01 TO BELWA (BOROBARI MIDDLE SCHOOL) TO RAMGANJ PATH	
Block :-	Pothia	
Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work :-	Rs 790446.00
B	Add 12 % GST	Rs 94854.00
C	Add 1 % L. Cess	Rs 7904.00
D	Add S.Fee @ 10 % of Material Cost	Rs 22007.00
	Total Cost with GST, LC & S.Fee	Rs 915211.00

[Signature]
J.E

R.W.D
Pothia

[Signature]
15/11/21
A.E

R.W.D
Pothia

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

Technically sanction for Rs 3,15,211.00 (Rupees nine lakhs fifteen thousand two hundred eleven) only

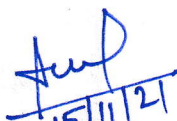
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04/04/22
अधीक्षण अधियंता
ग्रामीण कार्य विभाग
कार्य अंचल, किशनगंज

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD :-	T01 TO BELWA (BOROBARI MIDDLE SCHOOL) TO RAMGANJ PATH	
DISTRICT :	KISHANGANJ	
DIVISION :	KISHANGANJ-2	
BLOCK :-	POTHIA	
LENGTH OF ROAD (IN KM)	34.8	
Sl. No.	ITEM OF WORK	Amount (In LAKHS.)
1	LOCAL SAND	0.551
2	HUME PIPE	0.000
3	BRICK BATS	2.561
4	SAND BAGS	3.241
5	G.S.B	0.612
6	BAMBOO WORK	0.939
7	STEEL DRUM SHEET	0.000
	TOTAL COST OF PROJECT	7.904
	Add 12 % GST	0.949
	Add 1 % L. Cess	0.079
	Add Seigniorage Fee @ 10 % of Material Cost	0.220
	Total Cost of Restoration Work	9.153


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 TO BELWA (BOROBARI MIDDLE SCHOOL) TO RAMGANJ PATH										
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	18	3.50	-	-	63.00			
				1	35	3.50	-	-	122.50			
				1	42	3.50	-	-	147.00			
				1	35	3.50	-	-	122.50			
				1	35	3.50	-	-	122.50			
				1	18	3.50	-	-	63.00			
				1	35	3.50	-	-	122.50			
				1	18	3.50	-	-	63.00			
				Total:-					1561.00	Mtr.	52.24	81547.00
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	4	30.00	-	-	120.00			
				1	4	30.00	-	-	120.00			
				1	4	5.00	-	-	20.00			
				1	3	10.00	-	-	30.00			
				1	3	12.00	-	-	36.00			
				1	3	10.00	-	-	30.00			
				1	3	10.00	-	-	30.00			
				1	3	5.00	-	-	15.00			
				1	3	10.00	-	-	30.00			
				1	3	5.00	-	-	15.00			
				Total:-					446.00	Mtr.	27.71	12359.00
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	1.30	0.65	25.35			
				1	1	30.00	1.25	0.75	28.13			
				1	1	5.00	1.40	0.80	5.60			
				1	1	10.00	1.50	0.90	13.50			
				1	1	12.00	1.35	0.65	10.53			
				1	2	10.00	1.25	0.75	18.75			
				1	1	5.00	1.30	0.80	5.20			
				1	1	10.00	1.45	0.50	7.25			
				1	1	5.00	1.40	0.90	6.30			
				Total:-					120.61	Cum	174.93	21098.00
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	1.30	0.45	17.55			
				1	1	30.00	1.25	0.35	13.13			
				1	1	5.00	1.40	0.30	2.10			
				1	1	10.00	1.50	0.45	6.75			
				1	1	12.00	1.35	0.50	8.10			
				1	2	10.00	1.25	0.35	8.75			

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	5.00	1.30	0.40	2.60			
				1	1	10.00	1.45	0.35	5.08			
				1	1	5.00	1.40	0.30	2.10			
				Total:-					66.16	Cum	514.43	34035.00
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	1.50	0.75	33.75			
				1	1	30.00	1.50	0.90	40.50			
				1	1	5.00	1.50	0.60	4.50			
				1	1	10.00	1.00	0.65	6.50			
				1	1	12.00	1.00	0.55	6.60			
				1	2	10.00	1.00	0.65	13.00			
				1	1	5.00	1.00	0.75	3.75			
				1	1	10.00	1.00	0.70	7.00			
				1	1	5.00	1.00	0.50	2.50			
				Total:-					118.10	Cum	2168.72	256126.00
6	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	30.00	1.50	0.30	13.50			
				1	1	30.00	1.50	0.30	13.50			
				1	1	5.00	1.50	0.30	2.25			
				Total:-					29.25	Cum	2093.22	61227.00
7			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			
				0	0	0.00	-	-	0.00			
				Total:-					0.00	Mtr.	1731.52	0.00
8		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	1.45	1.75	76.13			
				1	1	30.00	1.35	1.55	62.78			
				1	1	5.00	1.50	1.65	12.38			
				1	1	10.00	1.45	1.70	24.65			
				1	1	12.00	1.25	1.80	27.00			
				1	1	10.00	1.35	1.65	22.28			
				1	1	10.00	1.45	1.50	21.75			
				1	1	5.00	1.50	1.65	12.38			
				1	1	10.00	1.30	1.50	19.50			
				1	1	5.00	1.40	1.55	10.85			
				Total:-					289.70	Cum		
				@ 0.034 Cum each bag					8521	No.	38.03	324054.00
											TOTAL	790446.00

SL. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
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SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND						66.16	1.20	=	79.39	Cum	141.85	11262.00
BRICK BAT						118.10	1.20	=	141.72	Cum	1,050.00	148806.00
GSB						29.25	1.28	=	37.44	Cum	285.35	10684.00
LOCAL SAND						289.70	1.20	=	347.64	Cum	141.85	49313.00
TOTAL MATERIAL COST:-												220065.00
SEIGNORAGE FEE 10%												22007.00

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

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15/11/21
A.E
R.W.D
Pothia

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E.E
R.W.D
Kishanganj - 2