



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR MORTABLE REPAIRING OF ROAD

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

L031 L030 TO PANSAL

DETAILED ESTIMATE OF F. D. R MORTABLE REPAIRING ROAD

ROAD LENGTH	0 TO 1615M		
DISTRICT	KISHANGANJ		
BLOCK	POTHIA		
DIVISION	KISHANGANJ-2		
TOTAL LENGTH OF ROAD	:	1.615	KM
TOTAL COST OF F.D.R PART - A	:	12.923	LAKH
ADD GST @ 12 %	:	1.551	LAKH
ADD LABOUR CESS @ 1 %	:	0.129	LAKH
ADD Seigniorage Fee @ 10%	:	0.437	LAKH
TOTAL COST OF RESTORATION WORK in Rs.	:	15.040	LAKH

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

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमण्डल किशनगंज -2 अन्तर्गत *Poltan*
खंड के पथ *Lo 31, Lo 31 to Pansal* (*Pm.assy.*) जो
विभागीय Online Monitoring System MIS पर अपलोड है के बाद 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:-मु0अ0-4(मु0) विविध (कार्य) -23-291/2019-4275/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 *श्री. क. ग. श्री* अतिवृष्टि/बाढ़ उपचार से आए बाढ़ के कारण इस पथ के
गड्ढे के क्षतिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Moterable कार्य कराया गया है। MIS में
अपलोडेड 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
गइल, चघरी, बॉस का रनर, ह्यूम पाइप एवं ब्रिक गैट का इस्तेमाल किया गया है। निर्देशानुसार कराए
गए कार्य कि Geotagged Photographs Real Time के साथ MIS पर उद्धृत 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, *Poltan*

Km
15/11/21
सहायक अभियंता
ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल, *Poltan*

Km
15/11/21
कार्यपालक अभियंता
ग्रामीण कार्य विभाग

कार्य प्रमंडल किशनगंज-2

Inspection Report for Flood Damage Work

1. Name of PIUs

: *Deishangari-2*

2. Name Of Block / Road

: *Pathar / 1031 - 1030 To Pansal*

A. For Road

1. Damage Location / Chainage

:

2. Damage Length

: *396m*

3. Nature Of Damage

: *Cut and erosion of Flank & Crest*

4. Details Of Restoration

: *Earthwork, sand filling, Brickbat laying*

i) Material Being Used In Restoration

: *Le Bag with C-sand*

ii) Equipment / Tools Being Used In Restoration Works

: *Soil, sand, Brickbat, Le bag C-sand*

iii) Procedure Taken Up In Restoration Works

: *Tractor, Trolley, JCB*

iv) Restored Length

: *Manually*

: *396m*

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 Satisfactorily

Km
12/12/21

Signature of JE / AE / EE

ful
12/12/21

Cheer
12/12/2021

Signature

(Name Of Inspector)

ABSTRACT OF COST

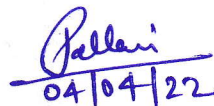
Name of Work :-	L031 L030 TO PANSAL	
Block :-	Pothia	
Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work :-	Rs 1292297.00
B	Add 12 % GST	Rs 155076.00
C	Add 1 % L. Cess	Rs 12923.00
D	Add S.Fee @ 10 % of Material Cost	Rs 43714.00
	Total Cost with GST, LC & S.Fee	Rs 1504010.00


J.E.
R.W.D
Pothia


A.E.
R.W.D
Pothia


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

Technically sanction for Rs. 1504010.00 (Rupees.
Fifteen Lacs four thousand ten) only.

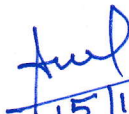

04/04/22
E.O.


अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, किशंगंज

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD :-	L031 L030 TO PANSAL	
DISTRICT :	KISHANGANJ	
DIVISION :	KISHANGANJ-2	
BLOCK :-	POTHIA	
LENGTH OF ROAD (IN KM)	1.615	
Sl. No.	ITEM OF WORK	Amount (In LAKHS.)
1	LOCAL SAND	0.789
2	HUME PIPE	0.000
3	BRICK BATS	5.781
4	SAND BAGS	5.311
5	BAMBOO WORK	1.042
6	STEEL DRUM SHEET	0.000
	TOTAL COST OF PROJECT	12.923
	Add 12 % GST	1.551
	Add 1 % L. Cess	0.129
	Add Seigniorage Fee @ 10 % of Material Cost	0.437
	Total Cost of Restoration Work	15.040


J.E.
R.W.D
POTHIA


A.E.
R.W.D
POTHIA


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

Detailed Estimate

Name of Work :- L031 L030 TO PANSAL												
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	60	3.00	-	-	180.00			
				1	27	3.00	-	-	81.00			
				1	36	3.00			108.00			
				1	42	3.00			126.00			
				1	75	3.00			225.00			
				1	45	3.00			135.00			
				1	36	3.00			108.00			
				1	33	3.00			99.00			
				1	46	3.00			138.00			
				1	90	3.00			270.00			
				1	75	3.00			225.00			
				Total:-					1695.00	Mtr.	52.24	88547.00
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	20.00	-	-	60.00			
				1	3	9.00	-	-	27.00			
				1	3	12.00			36.00			
				1	3	14.00			42.00			
				1	3	25.00			75.00			
				1	3	15.00			45.00			
				1	3	12.00			36.00			
				1	3	11.00			33.00			
				1	3	15.22			45.66			
				1	3	30.00			90.00			
				1	3	25.00			75.00			
				Total:-					564.66	Mtr.	27.71	15647.00
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	17.00	1.35	0.85	19.51			
				1	1	7.00	1.20	0.75	6.30			
				1	1	8.00	1.45	0.90	10.44			
				1	1	7.00	1.65	0.75	8.66			
				1	1	20.00	1.50	0.90	27.00			
				1	1	10.00	1.35	0.75	10.13			
				1	1	8.00	1.45	0.65	7.54			
				1	1	5.00	1.50	1.10	8.25			
				Total:-					97.83	Cum	174.93	17113.00

Sl. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
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	17.00	1.00	0.35	5.95			
				1	1	15.65	1.00	0.30	4.70			
				1	1	14.50	1.00	0.45	6.53			
				1	1	17.00	1.00	0.50	8.50			
				1	1	20.00	1.00	0.35	7.00			
				1	1	22.00	1.00	0.40	8.80			
				1	1	18.00	1.00	0.35	6.30			
				1	1	15.00	1.00	0.50	7.50			
				1	1	30.00	1.00	0.35	10.50			
				1	1	25.50	1.00	0.45	11.48			
				1	1	21.45	1.00	0.30	6.44			
				1	1	26.90	1.00	0.25	6.73			
				1	1	26.90	1.00	0.30	8.07			
				1	1	26.90	1.00	0.35	9.42			
				1	1	26.90	1.00	0.45	12.11			
				Total:-					120.03	Cum	514.43	61747.00
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	17.00	1.00	0.65	11.05			
				1	1	15.65	1.00	0.75	11.74			
				1	1	14.50	1.00	0.80	11.60			
				1	1	17.00	1.00	0.95	16.15			
				1	1	20.00	1.00	0.60	12.00			
				1	1	22.00	1.00	0.55	12.10			
				1	1	18.00	1.00	0.60	10.80			
				1	1	15.00	1.00	0.75	11.25			
				1	1	30.00	1.00	0.75	22.50			
				1	1	25.50	1.00	0.75	19.13			
				1	1	21.45	1.00	0.75	16.09			
				1	1	25.30	1.00	0.60	15.18			
				1	1	15.60	1.00	0.55	8.58			
				1	1	18.95	1.00	0.65	12.32			
				1	1	25.45	1.00	0.65	16.54			
				1	1	22.85	1.00	0.75	17.14			
				1	1	23.65	1.00	0.65	15.37			
				1	1	22.00	1.00	0.60	13.20			
				1	1	25.15	1.00	0.55	13.83			
				Total:-					266.57	Cum	2168.72	578116.00

Sl. No.	SDB Sl. No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
6		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	1.45	1.25	30.81			
				1	1	15.65	1.35	1.45	30.63			
				1	1	14.50	1.40	1.20	24.36			
				1	1	17.00	1.65	1.45	40.67			
				1	1	20.00	1.45	1.20	34.80			
				1	1	22.00	1.60	1.05	36.96			
				1	1	18.00	1.55	1.60	44.64			
				1	1	15.00	1.45	1.55	33.71			
				1	1	30.00	1.25	1.55	58.13			
				1	1	25.50	1.30	1.65	54.70			
				1	1	21.45	1.45	1.45	45.10			
				1	1	26.90	1.20	1.25	40.35			
						Total:-			474.86	Cum		
						@ 0.034 Cum each bag			13966	No.	38.03	531127.00
						TOTAL						1292297.00

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND			120.03	1.20	=	144.04	Cum	141.85	20432.00
BRICK BAT			266.57	1.20	=	319.88	Cum	1,050.00	335878.00
GSB			0.00	1.28	=	0.00	Cum	285.35	0.00
LOCAL SAND			474.86	1.20	=	569.83	Cum	141.85	80831.00
						TOTAL MATERIAL COST:-			437141.00
						SEIGNORAGE FEE 10%			43714.00

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

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Pothia

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E.E
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Kishanganj-2