



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR REPAIRING OF ROAD F.D.R. PART - A (2020 - 21)

DETAILED ESTIMATE FOR F.D.R. RESTORATION WORK

DISTRICT :	BHAGALPUR	BLOCK :	ISMILEPUR
NAME OF ROAD :	L025 - T01 RAMBRICHH BASA CHATTU SINGH TOLA TO KAMLAKUND VIA ISMILEPUR BLOCK (VR5)		
PACKAGE NO. :	BR-06R-185		
TOTAL LENGTH OF ROAD	:	3.516	KMS
TOTAL COST OF FDR. PART - A	:	29.015	LACS
ADD G.S.T. @ 12 %	:	3.482	LACS
ADD LABOUR CESS @ 1%	:	0.290	LACS
ADD SF @ 10%	:	0.434	LACS
TOTAL COST OF RESTORATION WORK	:	33.220	LACS

SUBMITTED BY
The Executive Engineer
Works Division, Naugachhiya

प्रतिवेदन

योजना का नाम :- L025-T01 Rambrichh Basa Chattu Singh Tola to Kamlakund via
Ismilepur Block (VR5) .
प्रमंडल :- ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया।
अंचल :- ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर।
पथ की लम्बाई :- 3.516 कि०मी०
प्राक्कलित राशि :- Rs. 33.220 लाख

प्रस्तुत प्राक्कलन वर्ष 2020 में आयी बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों की तत्काल मरम्मत कर, यातायात पुनः बहाल करने हेतु तैयार किया गया है। दिनांक- 20/10/2020 को मुख्यालय स्तर पर V.C. के माध्यम से होने वाली समान्य बैठक में दिये गये दिशा निर्देश के अनुपालन एवं कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया का पत्रांक- 1385/नवगछिया, दिनांक- 20/10/2020 के आलोक में प्राक्कलन तैयार किया गया है। बाढ़ के कारण जगह-जगह पर रोडकस्ट में कटाव के साथ-साथ पथ का फलैंक भी क्षतिग्रस्त हुआ है। कटाव के कारण पथ से आवागमन बाधित हो गया है।

अतः आपातकालीन प्रकृति के कार्य को देखते हुए इस क्षतिग्रस्त पथांश में आवश्यकता एवं उपलब्धतानुसार ईंट के टुकड़े (Brick Bats) / Sand Bag / N.C Bag इत्यादि के द्वारा पथ के पुनःस्थापन का प्रावधान किया गया है। प्राक्कलन में मर्दों का दर, वर्तमान अनुसूचित दर विश्लेषण पर आधारित हैं। प्राक्कलन में Contractor Profit एवं Over Head Charge नहीं जुड़ा हुआ है। जबकि GST, S.F एवं Labour Cess को जोड़ा गया है।

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J. E.

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GENERAL ABSTRACT OF COST

Name of Road : L025 - T01 RAMBRICHH BASA
: CHATTU SINGH TOLA TO
KAMLAKUND VIA ISMILEPUR
Package No. : BR-06R-185
Length : 3.516 KM

District : BHAGALPUR

Block : ISMILEPUR

Sl. No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	3.516 KM	29,01,451.00
2	Add G.S.T @ 12 %	:		3,48,174.00
3	Add L.C. @ 1 %	:		29,015.00
4	S. F. @ 10 %	:		43,359.00
	Total Cost of Restoration work	:		33,21,999.00
			Say,	33,21,999.00

33,22,000.00

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Technically Approved for Rs 33,22,000.00 (Thirty three lakhs twenty two thousand) only.


12/10/2024
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur
12/10

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: L025 - T01 RAMBRICHH BASA CHATTU SINGH TOLA TO
KAMLA KUND VIA ISMILEPUR BLOCK (VR5)

Block: ISMILEPUR

Length: 3.916 KM

District: BHAGALPUR

Sl. No.	SSR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount (in Rs.)
1	5.7.53	Providing sand bag with sand and labour including cartage laying, filling etc all complete job as per specification and direction of E/I								
		As per attached "Annexure - B"					15,510	/ bags	31.22	4,84,222.00
2	5.7.52	Providing New bag and N.C with labour for filling item E.C. bag with local sand, stitching on two lines by approval (1mx1mx1m)					2113			
							2113	/ N.C.	1064.40	224,907.00
3	4.5	Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light, barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I excluding cartage cost of bricks.								
		As per attached "Annexure - A"					97.85			
							97.85	cum	1718.47	1,68,152.00
Total Cost of Flood Protective work =										29,01,451.00

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ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: L025 - T01 RAMBRICHH BASA CHATTU SINGH TOLA TO
KAMILAKUND VIA ISMILEPUR BLOCK (VR5)

Block: ISMILEPUR

Length : 3.516 KM

District: BHAGALPUR

Sl. No.	SSR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount (in Rs.)
1	5.7.53	Providing sand bag with sand and labour including cartage laying, filling etc all complete job as per specification and direction of E/I								
		As per attached "Annexure - B"					15,510	/ bags	31.22	4,84,222.00
2	5.7.52	Providing New bag and N.C with labour for filling item E.C. bag with local sand, stitching on two lines by approval (1mx1mx1m)					2113			
							2113	/ N.C.	1064.40	2249077.00
3	4.5	Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light, barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I excluding cartage cost of bricks.					97.85			
		As per attached "Annexure - A"					97.85	cum	1718.47	1,68,152.00
Total Cost of Flood Protective work =										29,01,481.00

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ANNEXURE - " B "

Measurement of E. C. Bags

Name of Road :

L025 - T01 RAMBRICHH BASA CHATTU SINGH TOLA TO KAMLAKUND VIA
ISMILEPUR BLOCK (VR5)

Package No.:

BR-06R-185

Length of Road : 3.516 KM

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)	Quantity (No of bag)
1	CH.415 m - 490 m	2	10.00	1.00			1.00	1.20			1.20	24.00	706
2		2	12.00	1.00			1.00	1.20			1.20	28.80	847
3		2	15.00	1.00			1.00	1.00			1.00	30.00	882
4		2	10.00	1.00			1.00	1.30			1.30	26.00	765
5	LINK ROAD	1	20.00	2.00	1.00		1.50	3.00			3.00	90.00	2647
6		1	15.00	2.00	1.00		1.50	3.00			3.00	67.50	1985
7		1	12.00	2.00	1.00		1.50	2.50			2.50	45.00	1324
8		1	20.00	2.00	1.00		1.50	3.00			3.00	90.00	2647
9	CH.1150 FIRST LINK LHS	1	25.00	1.60	0.80		1.20	1.50			1.50	45.00	1324
10	CH.1100 m - 1700 m LHS	1	30.00	1.00			1.00	2.00			2.00	60.00	1765
11		1	30.00	1.00			1.00	2.00			0.70	21.00	618
											Total =	527	15,510

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29/10/2020
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16/12/2020
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ANNEXURE - " C "

Measurement of N. C. Bags

Name of Road :

L025 - T01 RAMBRICHH BASA CHATTU SINGH TOLA TO KAMLAKUND VIA
ISMILEPUR BLOCK (VR5)

Package No.:

BR-06R-185

Length of Road : 3.516 KM

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)	Quantity (No of NC)
1	CH.415 m - 490 m	LHS	1	20.00	5.00	2.00	3.50	4.00			4.00	280.00	280
2		LHS	1	25.00	5.00	2.00	3.50	3.00			3.00	262.50	263
3		RHS	1	15.00	5.00	2.00	3.50	4.00			4.00	210.00	210
4		RHS	1	20.00	5.00	2.00	3.50	4.00			4.00	280.00	280
5		RHS	1	12.00	5.00	2.00	3.50	4.00			4.00	168.00	168
6	CH.1300 m - 1750 m	RHS	1	20.00	3.00	1.00	2.00	3.00			3.00	120.00	120
7		RHS	1	30.00	3.00	1.00	2.00	3.00			3.00	180.00	180
8		RHS	1	25.00	3.00	1.00	2.00	2.00			2.00	100.00	100
9		RHS	1	25.00	3.00	1.00	2.00	2.00			2.00	100.00	100
10		RHS	1	20.00	2.00	1.00	1.50	2.00			2.00	60.00	60
11		RHS	1	30.00	2.00	1.00	1.50	3.00			3.00	135.00	135
12		RHS	1	25.00	2.00	1.00	1.50	2.00			2.00	75.00	75
13	LINK - I	LHS	1	19.00	4.00	1.00	2.50	3.00			3.00	142.50	143
Total =												2,113.00	2,113.00

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ANNEXURE - " A "

Brick Bat Measurement

Name of Road : L025 - T01 RAMBRICHH BASA CHATTU SINGH TOLA TO KAMLAKUND VIA ISMILEPUR BLOCK (VR5)

Package No.: BR-06R-185

Length of Road : 3.516 KM

Length of Road : 3.516 Km												
Sr.No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	415 - 500	1	15.00	3.00			3.00	0.40			0.40	18.00
2		1	18.00	2.50			2.50	0.40			0.40	18.00
3		1	10.00	3.00			3.00	0.40			0.40	12.00
4	1500 - 1700	1	13.80	2.80			2.80	0.90	0.50		0.70	27.05
5		1	5.00	3.00			3.00	0.40			0.40	6.00
6		1	8.00	2.50			2.50	0.30			0.30	6.00
7		1	12.00	3.00	1.50		2.25	0.40			0.40	10.80
Total =											97.85	

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29/10/2020
J. E.


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A. E.

R.P.
16/12/2020
E. E.

Rate Analysis for Carriage of Materials

Name of Road : L025 - T01 RAMBRICHH BASA CHATTU SINGH TOLA TO KAMLAKUND VIA ISMILEPUR BLOCK (VR5)

Name of Road : L025 - T01 RAMBRICHHI BASA CHATTU SINGH TOLA TO KAMLROND VIA LORHAT																				
Sl No	Item	Unit	Source	Carriage Cost & Lead in Km										Loading & Unloading Cost	Carriage Cost by Rail Head	Total* (By Road)				
				Pucca / Surface					Katcha											
1	Stone Metal Gr-III / GSB	Cum	Mirjachauki	8.00	x	16.32	x	80.00	Km	=	Rs 2093.21	8.00	x	25.47	x	0.00	Km	=	Rs 0.00	Rs. 2265.28
				4.99										4.99						
2	Brick/ Brick Bats	Cum	Local	3.60	x	16.32	x	7.00	Km	=	Rs 215.33	3.60	x	25.47	x	1.00	Km	=	Rs 48.01	Rs. 435.40
				1.91										1.91						
3	Local Sand	Cum	Local	3.60	x	16.32	x	2.00	Km	=	Rs 57.60	3.60	x	25.47	x	1.00	Km	=	Rs 44.95	Rs. 274.62
				2.04										2.04						
4	Earth	Cum	Local	8.00	x	16.32	x	0.00	Km	=	Rs 0.00	8.00	x	25.47	x	1.00	Km	=	Rs 33.96	Rs. 206.03
				6.00										6.00						
5	Hume Pipe (1000 mm)	M	Purnia	8.00	x	16.32	x	52.00	Km	=	Rs 678.93	8.00	x	25.47	x	0.00	Km	=	Rs 0.00	Rs. 843.12
				10.00										10.00						
6	Hume Pipe (600 mm)	M	Purnia	8.00	x	16.32	x	52.00	Km	=	Rs 271.57	8.00	x	25.47	x	0.00	Km	=	Rs 0.00	Rs. 435.93
				25.00										25.00						

* Subjected to Verification of Lead

Cost of Haulage Excluding Loading & Unloading as per SOR

Type of Road	Per Ton. Km by Tractor	Per Ton. Km by Tipper
For Surface Road	16.32	
Unsurface Gravel Road	0.00	
Katcha Road	25.47	

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