



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 :	BIHAR	BLOCK :	ISMILEPUR
NAME OF ROAD :	L930 LAXMIPUR DHAR TO ISMILEPUR		
PACKAGE NO. :	BR-06R-328		
TOTAL LENGTH OF ROAD	:	4.244	KMS
TOTAL COST OF F.D.R. PART - A	:	21.086	LACS
ADD G.S.T. @ 12 %	:	2.530	LACS
ADD LABOUR CESS @ 1%	:	0.211	LACS
ADD SF @ 10%	:	0.805	LACS
TOTAL COST OF RESTORATION WORK	:	24.632	LACS
SUBMITTED BY The Executive Engineer Works Division, Nangachhiya			

प्रतिवेदन

योजना का नाम :- L030 Laxmipur Dhar to Ismilepur .
प्रमंडल :- ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया।
अंचल :- ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर।
पथ की लम्बाई :- 4.244 कि०मी०
प्राक्कलित राशि :- Rs. 24.632 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 ईट के टुकड़े (Brick Bats) / Sand 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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GENERAL ABSTRACT OF COST

Name of Road : L030 LAXMIPUR DHAR TO
ISMILEPUR

District : BHAGALPUR

Package No. : BR-06R-328

Block : ISMILEPUR

Length : 4.244 KM

Sl. No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	4.244 KM	21,08,595.00
2	Add G.S.T @ 12 %	:		2,53,031.00
3	Add L.C. @ 1 %	:		21,086.00
4	S. F. @ 10 %	:		80,497.00
	Total Cost of Restoration work	:		24,63,209.00
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Technically approved for Rs 24,63,209.00 (Rupees twenty four lac sixty three thousand two hundred only).

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12/01/2021
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur
8/12/01

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: L030 LAXMIPUR DHAR TO ISMILEPUR

Block: ISMILEPUR

Length : 4.244 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 carriage laying, filling etc all complete job as per specification and direction of E/I								
		As per attached "Annexure - B"								
							34,464	/ bags	31.22	10,75,966.00
2	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 carriage cost of bricks.								
		As per attached "Annexure - A"					600.90			
							600.90	cum	1718.47	10,32,629.00
Total Cost of Flood Protective work =										21,08,595.00

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ANNEXURE - " B "

Measurement of E. C. Bags

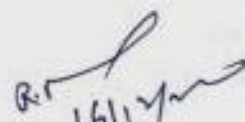
Name of Road : L030 LAXMIPUR DHAR TO ISMILEPUR

Length of Road : 4.244 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.3500 m - 3600 m LHS	1	45.00	1.00	0.60		0.80	2.10			2.10	75.60	2224
2		1	40.00	1.00	0.60		0.80	1.75			1.75	56.00	1647
3		1	6.00	3.00	1.00		2.00	2.20			2.20	26.40	776
4		1	6.00	3.00	1.00		2.00	2.00			2.00	24.00	706
5		1	5.00	1.00	0.50		0.75	2.00			2.00	7.50	221
6		1	20.00	1.00	0.60		0.80	2.00	1.80		1.90	30.40	894
7		1	35.00	1.00	0.60		0.80	1.80	1.50		1.65	46.20	1359
8	NEAR PULIYA	3	2.00	2.00	1.00		1.50	1.70			1.70	15.30	450
9	CH.3300 m - 3500 m LHS	1	20.00	2.00	0.60		1.30	1.40			1.40	36.40	1071
10		2	50.00	1.20	0.60		0.90	1.20			1.20	108.00	3176
11	CH.2500 m - 3000 m LHS	5	25.00	1.00	0.60		0.80	1.25			1.25	125.00	3676
12		6	50.00	1.50	0.80		1.15	1.20			1.20	414.00	12176
13	CH.2300 m - 2500 m LHS	2	50.00	1.00	0.50		0.75	1.00			1.00	75.00	2206
14		2	50.00	1.60	0.80		1.20	1.10			1.10	132.00	3882
											Total =	1,172	34,464

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ANNEXURE - " A "

Brick Bat Measurement

Name of Road : L030 LAXMIPUR DHAR TO ISMILEPUR

Length of Road : 4.244 KM

Package No.: BR-06R-328

Package No.: BR-06R-328

Sr.No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	3500 - 4000	1	15.00	4.00			4.00	0.60			0.60	36.00
2		1	20.00	4.00			4.00	0.60			0.60	48.00
3		1	10.00	2.50			2.50	1.00			1.00	25.00
4		2	15.00	3.00			3.00	1.20	1.00		1.10	99.00
5		1	4.00	2.00			2.00	0.60			0.60	4.80
6	1000 - 1500	1	15.00	4.00	2.00		3.00	0.80			0.80	36.00
7		2	12.00	2.00			2.00	1.20			1.20	57.60
8	2000 - 3000	1	10.00	3.00	2.00		2.50	2.50			2.50	62.50
9		1	25.00	2.00			2.00	1.00			1.00	50.00
10		5	5.00	2.00			2.00	0.80			0.80	40.00
11		2	12.00	3.00	1.00		2.00	2.50			2.50	120.00
12	NEAR HP CULVERT	1	6.00	2.00			2.00	1.00			1.00	12.00
13		1	5.00	2.00			2.00	1.00			1.00	10.00
											Total =	600.90

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Rate Analysis for Carriage of Materials

Name of Road : L030 LAXMIPUR DHAR TO ISMILEPUR

Sl No	Item	Unit	Source	Carriage Cost & Lead in Km												Loading & Unloading Cost	Carriage Cost by Rail Head	Total * (By Road)		
				Pucka / 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	172.07	0	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	172.07	0	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	172.07	0	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	172.07	0	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	164.19	0	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	164.36	0	Rs. 435.93
				25.00							25.00									

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	
Kachha Road	25.47	

* Subjected to Verification of Lead

Verified
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Sl. No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs	Total material Qty. required	Total Material Amount	Add 10 % Seigniorage Fee
4.5	Providing and Laying of Brick Bats							
	Placing tractor at loading point loading with front end loader dumping, turning for return trip excluding time for haulage and return trip							
	Unit = cum							
	Taking output = 2.832 cum							
b)	Materials							
	Brick Bats	cum	2.830	1,063.00	3008.29			
	Total per cum	cum			1,063.00	600.90	638756.7	63876
10.7.40	Labour for filling Cement Bag, swing and laying materials							
WRD	Unit = Per Bag							
A	Supply Empty cement Bag with Sand							
	Cost of Local Sand							
	1.2 Cft = 0.034 m ³	cum	0.034	141.85	4.82			
	Total per bag	Bag			4.82			
	Total cost of (A + B + C) =	Bag			4.82	34464	166216.43	16622
					Total Amount =		80,497	

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