



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 :	LAXMIPUR DURGA ASTHAN TO SUDAN TOLA MOTI TOLA		
TOTAL LENGTH OF ROAD	:	3.150	KMS
TOTAL COST OF FDR. PART - A	:	3.443	LACS
ADD G.S.T. @ 12 %	:	0.413	LACS
ADD LABOUR CESS @ 1%	:	0.034	LACS
ADD SF @ 10%	:	0.109	LACS
TOTAL COST OF RESTORATION WORK	:	3.999	LACS

SUBMITTED BY
The Executive Engineer
Works Division, Naugachhiya

प्रतिवेदन

- योजना का नाम :- Laxmipur Durga Asthan to Sudan Tola Moti Tola .
प्रमंडल :- ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया।
अंचल :- ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर।
पथ की लंबाई :- 3.150 कि०मी०
प्राक्कलित राशि :- Rs. 3.999 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।

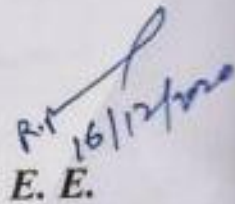
अतः आपातकालीन प्रकृति के कार्य को देखते हुए इस क्षतिग्रस्त पथांश में आवश्यकता एवं उपलब्धतानुसार ईट के टुकड़े (Brick Bats) / Sand Bag / N.C Bag इत्यादि के द्वारा पथ के पुनःस्थापन का प्रावधान किया गया है। प्राक्कलन में मर्दों का दर, वर्तमान अनुसूचित दर विश्लेषण पर आधारित हैं। प्राक्कलन में Contractor Profit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



J. E.



A. E.



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GENERAL ABSTRACT OF COST

Name of Road : LAXMIPUR DURGA ASTHAN TO
SUDAN TOLA MOTI TOLA

District : BHAGALPUR

Block : ISMILEPUR

Length : 3.150 KM

Sl No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	3.150 KM	3,44,320.00
2	Add G.S.T @ 12 %	:		41,318.00
3	Add L.C. @ 1 %	:		3,443.00
4	S. F. @ 10 %	:		10,868.00
	Total Cost of Restoration work	:		3,99,949.00
			Say,	3,99,949.00

4, 11, 10 2020

[Signature]

J. E.

[Signature] 29/10/2020

A. E.

R.P. 16/11/20

E. E

Technically approved for Rs 4, 11, 10 2020
Contract for 1000 yds.

[Signature]
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

8/12/20

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: LAXMIPUR DURGA ASTHAN TO SUDAN TOLA MOTI TOLA

Block: ISMILEPUR

Length : 3.150 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"					2,151	/ bags	31.22	67,154.00
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)					0			
							136	/ N.C.	1064.40	144758.00
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 carriage cost of bricks.					77.05			
		As per attached "Annexure - A"					77.05	cum	1718.47	1,32,408.00
Total Cost of Flood Protective work =										3,44,320.00

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ANNEXURE - " B "

Measurement of E. C. Bags

Name of Road : LAXMIPUR DURGA ASTHAN TO SUDAN TOLA MOTI TOLA

Length of Road : 3.150 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. 0 m - 160 m 1500m	RHS	1	30.00	1.00	0.50	0.75	0.30			0.30	6.75	199
2			1	5.00	1.00	0.50	0.75	0.50			0.50	1.88	55
3			4	5.00	2.00	1.00	1.50	1.50			1.50	45.00	1324
4			3	2.00	2.00	1.00	1.50	1.50			1.50	13.50	397
5			1	6.00	1.00		1.00	1.00			1.00	6.00	176
											Total =	73	2,151

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ANNEXURE - " C "

Measurement of N. C. Bags

Name of Road : LAXMIPUR DURGA ASTHAN TO SUDAN TOLA MOTI TOLA

Length of Road : 3.150 KM

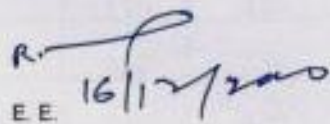
No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)	Quantity (No of NC)
1	CH.0 m - 150m 1500m	1	30.00	2.00	1.00		1.50	2.00			2.00	90.00	90
2		1	6.00	2.00	1.00		1.50	2.00			2.00	18.00	18
3		1	4.00	3.00	1.00		2.00	2.00			2.00	16.00	16
4		2	3.00	1.00			1.00	2.00			2.00	12.00	12
											Total =	136.00	136.00



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E.E.

ANNEXURE - "A"

Brick Bat Measurement

Name of Road : LAXMIPUR DURGA ASTHAN TO SUDAN TOLA MOTI TOLA

Length of Road : 3.150 KM

Sr.No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	0 - 150	1	4.00	2.00			2.00	0.40			0.40	3.20
2		1	8.00	1.20			1.20	0.50			0.50	4.80
3		1	5.00	1.50			1.50	1.50			1.50	11.25
4		1	7.00	2.00	1.00		1.50	1.50			1.50	15.75
5		1	2.00	1.00			1.00	1.00			1.00	2.00
6		1	2.00	2.00			2.00	0.60			0.60	2.40
7	1500 - 2500	1	6.00	1.00			1.00	0.50			0.50	3.00
8		1	5.00	2.00	1.00		1.50	1.50			1.50	11.25
9		1	3.00	2.00			2.00	0.30			0.30	1.80
10		1	12.00	3.00			3.00	0.60			0.60	21.60
											Total =	77.05

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Rate Analysis for Carriage of Materials

Name of Road : LAXMIPUR DURGA ASTHAN TO SUDAN TOLA MOTI TOLA

Sl No	Item	Unit	Source	Carriage Cost & Lead in Km												Loading & Unloading Cost	Carriage Cost by Rail Head	Total * (By Road)	
				Pukka / Surface						Katcha									
1	Stone Metal Gr-III / GSB	Cum	Mirjachauki	8.00 4.99	x	16.32	x	80.00 Km	=	Rs 2093.21	8.00 4.99	x	25.47	x	0.00 Km	=	Rs 0.00	172.07	Rs. 2265.28
2	Brick/ Brick Bats	Cum	Local	3.60 1.91	x	16.32	x	7.00 Km	=	Rs 215.33	3.60 1.91	x	25.47	x	1.00 Km	=	Rs 48.01	172.07	Rs. 435.40
3	Local Sand	Cum	Local	3.60 2.04	x	16.32	x	2.00 Km	=	Rs 57.60	3.60 2.04	x	25.47	x	1.00 Km	=	Rs 44.95	172.07	Rs. 274.62
4	Earth	Cum	Local	8.00 6.00	x	16.32	x	0.00 Km	=	Rs 0.00	8.00 6.00	x	25.47	x	1.00 Km	=	Rs 33.96	172.07	Rs. 206.03
5	Hume Pipe (1000 mm)	M	Purnia	8.00 10.00	x	16.32	x	52.00 Km	=	Rs 678.93	8.00 10.00	x	25.47	x	0.00 Km	=	Rs 0.00	164.19	Rs. 843.12
6	Hume Pipe (600 mm)	M	Purnia	8.00 25.00	x	16.32	x	52.00 Km	=	Rs 271.57	8.00 25.00	x	25.47	x	0.00 Km	=	Rs 0.00	164.36	Rs. 435.93

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

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Ver. 29/10/2020

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Ver. 16/12/2020

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SDB Sl. No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs	Total material Qty. required	Total Material Amount	Addition Signature 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				3008.29			
b)	Material	cum	2.830	1,063.00	1,063.00	77.05	81904.15	8190
	Brick Bats	cum						
	Total per cum							
10.7.40 WRD	Labour for filling Cement Bag, swing and laying materials Unit = Per Bag							
A	Supply Empty cement Bag with Sand							
	Cost of Local Sand	cum	0.034	141.85	4.82			
	1.2 Cft = 0.034 m ³	Bag			4.82	2151	10374.06	1037
	Total per bag	Bag			4.82			
	Total cost of (A + B+C) =							
5.7.52	Supply of New bag and N.C with labour for filling item E.C. bag with local sand, stitching on two lines by approval (1mx1mx1m)							
	Unit = Per N.C.							
C	Carriage :							
	Local sand	cum	0.85	141.85	120.57			
	25 bags = 0.85 m ³	No			120.57			
	Carriage for each N. C.	No			120.57	136.00	16397.86	1640
	Total cost of (A + B+C) =							
							Total Amount =	10,868

Verd.

J. E.

Verd.
29/10/2020

A. E.

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E.E.