



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 :	NAUGACHIYA LAXMIPUR PWD ROAD TO RAMNAGAR		
PACKAGE NO. :	BR-06R- 183		
TOTAL LENGTH OF ROAD	:	1.597	KMS
TOTAL COST OF FDR. PART - A	:	5.204	LACS
ADD G.S.T. @ 12 %	:	0.624	LACS
ADD LABOUR CESS @ 1%	:	0.052	LACS
ADD SF @ 10%	:	0.196	LACS
TOTAL COST OF RESTORATION WORK	:	6.077	LACS

SUBMITTED BY
The Executive Engineer
Works Division, Naugachhiya

प्रतिवेदन

योजना का नाम :- Naugachiya Laxmipur PWD Road to Ramnagar .

प्रमंडल :- ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया।

अंचल :- ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर।

पथ की लम्बाई :- 1.597 कि०मी०

प्राक्कलित राशि :- Rs. 6.077 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 इत्यादि के द्वारा पथ के पुनःस्थापन का प्रावधान किया गया है। प्राक्कलन में मर्दों का दर, वर्तमान अनुसूचित दर विश्लेषण पर आधारित है। प्राक्कलन में Contractor Profit एवं Over Head Charge नहीं जुड़ा हुआ है। जबकि GST, S.F एवं Labour Cess को जोड़ा गया है।

Uigil.
29/10/2020
J. E.

Uigil
29/10/2020
A. E.

Uigil
16/11/2020
E. E.

GENERAL ABSTRACT OF COST

Name of Road : NAUGACHIYA LAXMIPUR PWD
ROAD TO RAMNAGAR

District : BHAGALPUR

Package No. : BR-06R- 183

Block : ISMILEPUR

Length : 1.597 KM

Sl. No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	1.597 KM	5,20,368.00
2	Add G.S.T @ 12 %	:		62,444.00
3	Add L.C. @ 1 %	:		5,204.00
4	S. F. @ 10 %	:		19,641.00
	Total Cost of Restoration work	:		6,07,657.00
			Say,	6,07,657.00

6,07,700⁰⁰

Unif.
29/10/2020
J. E.

(Signature)
29/10/2020
A. E.

R.P.
16/11/20
E. E

Technically Approved for Rs 6,07,700⁰⁰ (Rupees
Six lac Seven thousand Seven hundred only).

(Signature)
12/01/2021
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

12/01

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: NAUGACHIYA LAXMIPUR PWD ROAD TO RAMNAGAR

Block: ISMILEPUR

Length : 1.597 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"					8,660	/ bags	31.22	2,70,365.00
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"					145.48			
							145.48	cum	1718.47	2,50,003.00
Total Cost of Flood Protective work =										5,20,368.00

U.S.P.
29/10/2020

J. E.

U.S.P.
29/10/2020

A. E.

U.S.P.
16/12/20

E. E.

ANNEXURE - " B "

Measurement of E. C. Bags

Name of Road : NAUGACHIYA LAXMIPUR PWD ROAD TO RAMNAGAR

Package No.: BR-06R-183

Length of Road : 1.597 K

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)	Quantity (No of bags)
1	CH.100 m - 300 m LHS	1	10.00	2.00	1.00		1.50	1.00			1.00	15.00	441
2		2	30.00	2.00	1.00		1.50	1.50			1.50	135.00	3971
3	CH.300 m - 400 m LHS	2	2.00	2.00	1.00		1.50	1.30			1.30	7.80	229
4	CH.500 m - 700 m RHS	1	4.00	2.00	1.00		1.50	1.50			1.50	9.00	265
5		1	2.00	1.00			1.00	1.00			1.00	2.00	59
6	CH.700 m - 900 m LHS	1	12.00	2.00	1.00		1.50	1.50			1.50	27.00	794
7		5	2.00	1.00			1.00	1.10			1.10	11.00	324
8	CH.900 m - 1200 m LHS	2	12.00	3.00	1.00		2.00	1.60			1.60	76.80	2259
9		6	2.00	2.00	1.00		1.50	0.60			0.60	10.80	318
											Total =	294.40	8,660

U. Singh
29/10/2020
J. E.


A. E.

R. I. 16/12/20
E. E.

ANNEXURE - " A "

Brick Bat Measurement

Name of Road : NAUGACHIYA LAXMIPUR PWD ROAD TO RAMNAGAR

Package No.: BR-06R- 183

Length of Road : 1.597 KM

Sr.No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	100 - 300	1	27.00	3.50			3.50	1.00			1.00	94.50
2		1	27.00	3.50			3.50	0.40			0.40	37.80
3	400 - 700	5	2.00	1.00			1.00	0.60	0.40		0.50	5.00
4	800 - 1000	2	3.50	1.00			1.00	0.45			0.45	3.15
5		8	1.00	0.50			0.50	0.30			0.30	1.20
6	1000 - 1300	1	1.00	3.50			3.50	0.45			0.45	1.58
7		5	1.00	1.50			1.50	0.30			0.30	2.25
											Total =	145.48

Verified
29/10/2020
J. E.

Checked
29/10/2020
A. E.

R.P.
16/12/20
E. E.

Rate Analysis for Carriage of Materials

Name of Road : NAUGACHIYA LAXMIPUR PWD ROAD TO RAMNAGAR

Sl No	Item	Unit	Source	Carriage Cost & Lead in Km														Loading & Unloading Cost	Carriage Cost by Rail Head	Total* (By Road)
				Pukka / Surface						Katcha										
				8.00	x	16.32	x	80.00 Km	=	Rs 2093.21	8.00	x	25.47	x	0.00 Km	=	Rs 0.00			
1	Stone Metal Gr-III / GSB	Cum	Mirjachauki	4.99								4.99							Rs. 2265.28	
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	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	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	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	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	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	

Verd.
25/10/2020

J. E.

25/10/2020

A. E.

16/12/20

E. E.

S. E.

* Subjected to Verification of Lead

DESCRIPTION	Unit	QTY	Rate	Amount in Rs	Unit material Qty. required	Total Material Amount	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) Materilas							
Brick Bats	cum	2.830	1,063.00	3008.29			
Total per cum	cum			1,063.00	145.48	154645.24	15465
10.7.40 WRD							
A							
Labour for filling Cement Bag, swing and laying materilas							
Unit = Per Bag							
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	8660	41766.31	4177

Total Amount = 19,641

Vijay
29/10/2020
J.E.

(Signature)
29/10/2020
A.E.

(Signature)
16/12/20
E.E.