



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 :	NARAYANPUR
NAME OF ROAD :	L024 NARAYANPUR TO PAHARPUR		
PACKAGE NO. :	BR-06R- 332		
TOTAL LENGTH OF ROAD	:	2.778	KMS
TOTAL COST OF FDR. PART - A	:	1.513	LACS
ADD G.S.T. @ 12 %	:	0.182	LACS
ADD LABOUR CESS @ 1%	:	0.015	LACS
ADD SF @ 10%	:	0.094	LACS
	:	1.803	LACS

SUBMITTED BY
The Executive Engineer
Works Division, Naugachhiya

प्रतिवेदन

योजना का नाम :- **L024 Narayanpur to Paharpur .**
प्रमंडल :- ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया।
अंचल :- ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर।
पथ की लम्बाई :- 2.778 कि०मी०
प्राक्कलित राशि :- **Rs. 1.803 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) 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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21/10/2020
J. E.

Q. C.
21/10/2020
A. E.

16/10/20
E. E.

GENERAL ABSTRACT OF COST

Name of Road : L024 NARAYANPUR TO PAHARPUR

District : BHAGALPUR

Package No. : BR-06R- 332

Block : NARAYANPUR

Length : 2.778 KM

Sl No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	2.778 KM	1,51,311.00
2	Add G.S.T @ 12 %	:		18,157.00
3	Add L.C. @ 1 %	:		1,513.00
4	S. F. @ 10 %	:		9,360.00
	Total Cost of Restoration work	:		1,80,341.00
			Say,	1,80,341.00

1,80,341.00

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Technically Approved for Rs 1,80,341.00 (Rupees one lac eighty thousand three hundred and forty one).

Vijay
21/10/2020
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

8
12/10/20

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: L024 NARAYANPUR TO PAHARPUR

Block: NARAYANPUR

Length : 2.778 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	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"					88.05			
							88.05	cum	1718.47	1,51,311.00
							Total Cost of Flood Protective work =			1,51,311.00

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21/10/2020
J. E.

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ANNEXURE - " A "

Brick Bat Measurement

Name of Road : L024 NARAYANPUR TO PAHARPUR

Package No.: BR-06R- 332

Length of Road : 2.778 KM

Sr.No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	0 - 100	1	15.00	3.50			3.50	0.90			0.90	47.25
2		2	2.00	2.00			2.00	0.60			0.60	4.80
3	2000 - 2400	1	20.00	3.00			3.00	0.60			0.60	36.00
											Total =	88.05

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BASIC RATES AS PER LATEST SOR AS ON 06/05/2020 vide RCD letter no- 53 (Encl.), dated- 11.05.2020
(A) LABOUR

Sl. No.	Description of Labour	Unit	Rate (Rs.)
L-01	Bhisti	day	287
L-02	Bitumen Sprayer(semi skilled)	day	302
L-03	Blacksmith,special	day	388
L-04	Blaster, 2nd class	day	477
L-05	Carpenter 1st Class	day	388
L-06	Chips spreader, semi-skilled	day	345
L-07	Chiseller	day	364
L-08	Dresser (Skilled)	day	364
L-09	Driller, 2nd class	day	345
L-10	Electrician,skilled	day	367
L-11	Fitter, skilled	day	395
L-12	Mason (1st class)	day	388
L-13	Mason (2nd Class)	day	345
L-14	Mate, Semi skilled	day	305
L-15	Mazdoor (Unskilled)	day	287
L-16	Mazdoor (Semi skilled)	day	299
L-17	Mazdoor (Skilled)	day	364
L-18	Painter (1st class)	day	367
L-19	Plumber, Special	day	367
L-20	Surveyor	day	349
L-21	White Washer	day	367

SDB Sl. No.	DESCRIPTION	Unit	QTY	Rate	Rs
4.5	Providing and Laying of Brick Bats				
	Placing tractor at loading point loading with front end loader dump on, turning for return trip excluding time for haulage and return trip				
	Unit = cum				
	Taking output = 2.832 cum				
a)	Labour	day	2.170	287.00	622.79
	Mazdoor (Unskilled)				
b)	Materilas	cum	2.830	1,063.00	3008.29
	Brick Bats				
c)	Carriage	cum	2.830	435.40	1232.19
					4863.27
	Cost for 5.5 cum = a+b+c	cum			1718.47
	Rate per cum = (a+b+c+d)/2.83	cum			1,718.47
	Total per cum				
10.7.40	Labour for filling Cement Bag, swing and laying materilas				
WRD	Unit = Per Bag	kg	1	7.460	7.46
A	Supply Empty cement Bag with Sand				7.46
		No	2	287.00	574.00
B	Unskilled Mazdoor for filling sand into bag and swing	No	3	287.00	861.00
	Unskilled Mazdoor for filling sand Bag to work site				1,442.46
	Rate per 100 Nos.				14.42
	Total per bag				
C	Supply Local sand Cost of Fine Sand				
	Supply Empty Cement Bag				
	Unit = No.				14.42
	Taking output = 1 No.				7.46
	Labour				
	Cost of cement bag with Sand				
	Cost of Local Sand	cum	0.034	274.62	9.34
	1.2 Cft = 0.034 m ³				
	Carriage	Bag			31.22
	Total per bag				31.22
	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.				
	Taking output = 100 Nos filled new bags in 4 nos N.C.	No	100	14.30	1430.00
A	Supply Empty cement Bag with Sand	No	4	39.85	159.40
	Nylan crate (N.C.)				1589.40
	Total =				397.35
	Rate of Material for each N. C. (Total x 25/100)				479.29
B	Labour for filling stitching and stacking in dry position	No	1.67	287	861.00
	Labour for carrying and placing at work site	No	3	287	120.12
	skilled Mazdoor for stitching	No	0.33	364	60.00
	Stiching roll (Nylone)	No	2	30	16.50
	Hire charge of stiching Machine	day	0.33	50	197.58
	Hire charge of Generator 3 KVA	hrs	2.67	74	1734.49
	Total =				433.62
	Rate of Material for each N. C. (Total x 25/100)				830.97
	Rate for each N. C. in dry portion (A + B) =				
C	Carriage :				
	Local sand	cum	0.85	274.62	233.43
	25 bags = 0.85 m ³	No			233.43
	Carriage for each N. C.	No			1064.40
	Total cost of (A + B+C) =				

Sl. No.	DESCRIPTION	Unit	QTY	Rate	Rs	Qty. required	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)	Materials							
	Brick Bats	cum	2.830	1,063.00	3008.29			
	Total per cum	cum			1,063.00	88.05	93597.15	9360

Total Amount = 9,360

Verif.
21/10/2020
J.E.

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A.E.

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