



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 :	NH-31 TO ASHA TOLA		
TOTAL LENGTH OF ROAD	:	3.300	KMS
TOTAL COST OF FDR. PART - A	:	3.191	LACS
ADD G.S.T. @ 12 %	:	0.383	LACS
ADD LABOUR CESS @ 1%	:	0.032	LACS
ADD SF @ 10%	:	0.197	LACS
	:	3.804	LACS
SUBMITTED BY <i>The Executive Engineer</i> <i>Works Division, Naugachhiya</i>			

प्रतिवेदन

योजना का नाम :- NH-31 to Asha Tola .

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

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

पथ की लम्बाई :- 3.300 कि०मी०

प्राक्कलित राशि :- Rs. 3.804 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 प्राक्धान 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।

Wing:
21/10/2020
J. E.

Q. No. 6
21/10/2020
A. E.

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

GENERAL ABSTRACT OF COST

Name of Road : NH-31 TO ASHA TOLA

District : BHAGALPUR

Block : NARAYANPUR

Length : 3.300 KM

Sl. No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	3.300 KM	3,19,137.00
2	Add G.S.T @ 12 %	:		38,296.00
3	Add L.C. @ 1 %	:		3,191.00
4	S. F. @ 10 %	:		19,741.00
	Total Cost of Restoration work	:		3,80,365.00
			Say,	3,80,365.00

3,80,400.00

U Singh
21/10/2020
J. E.

A. E.
21/10/2020
A. E.

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

Technically Approved for Rs 3,80,400.00 (Rupees three lak eighty thousand four hundred) only.

12/04/2021
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

12/9

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: NH-31 TO ASHA TOLA

Block: NARAYANPUR

Length : 3.300 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"					185.71			
							185.71	cum	1718.47	3,19,137.00
							Total Cost of Flood Protective work =			3,19,137.00

U.S.
21/10/2020
J. E.

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

R.S.
16/12/20
E. E.

ANNEXURE - " A "

Brick Bat Measurement

Name of Road : NH-31 TO ASHA TOLA

Length of Road : 3.300 KM

Sr.No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	0 - 100	2	8.00	0.50			0.50	0.40			0.40	3.20
2		1	5.00	2.00			2.00	0.30			0.30	3.00
3		2	25.00	1.00			1.00	0.60			0.60	30.00
4		2	20.00	1.00			1.00	0.45			0.45	18.00
5	100 - 500	1	18.00	2.20			2.20	0.60			0.60	23.76
6	500 - 1000	5	4.00	1.00			1.00	0.25			0.25	5.00
7		6	2.00	1.00			1.00	0.35			0.35	4.20
8		1	20.00	1.50			1.50	0.50			0.50	15.00
9	1000 - 1500	1	4.00	1.50			1.50	0.30			0.30	1.80
10		1	6.00	1.00			1.00	0.20			0.20	1.20
11		1	12.00	2.50			2.50	0.60			0.60	18.00
12		1	15.00	3.00			3.00	0.75			0.75	33.75
13		10	2.00	1.80			1.80	0.45			0.45	16.20
14	1500 - 2000	1	14.00	3.00			3.00	0.30			0.30	12.60
											Total =	185.71

Uijl
21/10/2020
J. E.

Q.26
21/10/2020
A. E.

R.P.
26/10/20
E. E.

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

DB Sl. No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs
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				
a)	Labour	day	2.170	287.00	622.79
	Mazdoor (Unskilled)				
b)	Material	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				1718.47
	Rate per cum = (a+b+c+d)/2.83	cum			1,718.47
	Total per cum	cum			
10.7.40 WRD	Labour for filling Cement Bag, swing and laying material				
	Unit = Per Bag				
A	Supply Empty cement Bag with Sand	kg	1	7.460	7.46
					7.46
B	Unskilled Mazdoor for filling sand into bag and swing	No	2	287.00	574.00
	Unskilled Mazdoor for filling sand Bag to work site	No	3	287.00	861.00
					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.				
	Taking output = 1 No.				14.42
	Labour				7.46
	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				
	Total per bag	Bag			31.22
	Total cost of (A + B+C) =				31.22
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.				
A	Supply Empty cement Bag with Sand	No	100	14.30	1430.00
	Nylon crate (N.C.)	No	4	39.85	159.40
	Total =				1589.40
	Rate of Material for each N. C. (Total x 25/100)				397.35
B	Labour for filling, stitching and stacking in dry position	No	1.67	287	479.29
	Labour for carrying and placing at work site	No	3	287	861.00
	skilled Mazdoor for stitching	No	0.33	364	120.12
	Stitching roll (Nylone)	No	2	30	60.00
	Hire charge of stitching Machine	day	0.33	50	16.50
	Hire charge of Generator 3 KVA	hrs	2.67	74	197.58
	Total =				1734.49
	Rate of Material for each N. C. (Total x 25/100)				433.62
	Rate for each N. C. in dry portion (A + B) =				830.97
C	Carriage :				
	Local sand				
	25 bags = 0.85 m ³	cum	0.85	274.62	233.43
	Carriage for each N. C.	No			233.43
	Total cost of (A + B+C) =	No			1064.40

SDB Sl. No.	DESCRIPTION	Unit	QTY	Rate	Rs	Qty. required	Amount	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	185.71	197409.73	19741

Total Amount = 19,741

Verig.
21/10/2020
J.E.

Quint
21/10/2020
A.E.

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