



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 :	MMGSY ROAD TELDIHA TO KARPURI BANDH		
TOTAL LENGTH OF ROAD	:	0.934	KMS
TOTAL COST OF FDR. PART - A	:	6.979	LACS
ADD G.S.T. @ 12 %	:	0.837	LACS
ADD LABOUR CESS @ 1%	:	0.070	LACS
ADD SF @ 10%	:	0.108	LACS
	:	7.994	LACS

SUBMITTED BY
The Executive Engineer
Works Division, Naugachhiya

प्रतिवेदन

योजना का नाम :- MMGSY Road Teldiha to karpuri Bandh .
प्रमंडल :- ग्रामीण कार्य विभाग, कार्य प्रमंडल, नवगछिया।
अंचल :- ग्रामीण कार्य विभाग, कार्य अंचल, भागलपुर।
पथ की लम्बाई :- 0.934 कि०मी०
प्राक्कलित राशि :- Rs. 7.994 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 फलैक 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 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।

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

Sanjay
21/10/2020
A. E.

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

GENERAL ABSTRACT OF COST

Name of Road : MMGSY ROAD TELDIHA TO
KARPURI BANDH

District : BHAGALPUR

Block : NARAYANPUR

Length : 0.934 KM

Sl. No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	0.934 KM	6,97,861.00
2	Add G.S.T @ 12 %	:		83,743.00
3	Add L.C. @ 1 %	:		6,979.00
4	S. F. @ 10 %	:		10,781.00
	Total Cost of Restoration work	:		7,99,364.00
			Say,	7,99,364.00

7,99,402.00

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21/10/2020
J. E.

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

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

Technically approved for Rs 7,99,402.00 (Rupees Seven
lacs, ninty nine thousand four hundred only).

Surf
12/11/2021
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur
12/01

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: MMGSY ROAD TELDIHA TO KARPURI BANDH

Block: NARAYANPUR

Length : 0.934 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"								
							22,353	/ bags	31.22	6,97,861.00
							Total Cost of Flood Protective work =			6,97,861.00

Verified
21/10/2020
J. E.

Quoted
21/10/2020
A. E.

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

ANNEXURE - " B "

Measurement of E. C. Bags

Name of Road : MMGSY ROAD TELDIHA TO KARPURI BANDH

Length of Road : 0.934 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. 300 m - 500 m	2	50.00	3.00	1.00		2.00	1.50			1.50	300.00	8824
2		2	50.00	3.00	1.00		2.00	1.50			1.50	300.00	8824
3		1	75.00	2.00	1.00		1.50	1.00			1.00	112.50	3309
4	CH. 500 m - 700 m	LHS	1	60.00	2.00	1.00		1.50	1.00		1.00	90.00	2647
5		LHS	1	20.00	3.00	1.00		2.00	1.00		1.00	40.00	1176
6		RHS	1	40.00	2.00	1.00		1.50	2.50		2.50	150.00	4412
7	CH. 700 m - 800 m	LHS	1	30.00	2.00	1.00		1.50	1.50		1.50	67.50	1985
											Total =	1,060	22,353

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

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

R. P.
16/12/20
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

SDB 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 dumpoing ,turning for return trip exluding time for haulage and return trip				
	Unit = cum				
	Taking output = 2.832 cum				
a)	Labour				
	Mazdoor (Unskilled)	day	2.170	287.00	622.79
b)	Materilas				
	Brick Bats	cum	2.830	1,063.00	3008.29
c)	Carriage				
		cum	2.830	435.40	1232.19
	Cost for 5.5 cum = a+b+c				4863.27
	Rate per cum = (a+b+c+d)/2.83	cum			1718.47
	Total per cum	cum			1,718.47
10.7.40 WRD	Labour for filling Cement Bag, swing and laying materilas				
	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 Bad to work site	No	3	287.00	861.00
	Rate per 100 Nos.				1,442.46
	Total per bag				14.42
C	Supply Local sand Cost of Fine Sand				
	Supply Empty Cement Bag				
	Unit = No.				
	Taking output = 1 No.				
	Labour				
	Cost of cemnt bag with Sand				14.42
	Cost of Local Sand				7.46
	1.2 Cft = 0.034 m ³				
	Carriage	cum	0.034	274.62	9.34
	Total per bag				
	Total cost of (A + B+C) =	Bag			31.22
					31.22
5.7.52	Supply of New bag and N.C with labour for filling item E.C. bag with local sand,stiching 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
	Nylan crute (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 stiching 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 stiching	No	0.33	364	120.12
	Stiching roll (Nylone)	No	2	30	60.00
	Hire charge of stiching 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				
	Carriage for each N. C.	cum	0.85	274.62	233.43
	Total cost of (A + B+C) =	No			233.43
					1064.40

SDB Sl. No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs	Total material Qty. required	Total Material Amount	Storage 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)	Material							
	Brick Bats	cum	2.830	1,063.00	3008.29			
	Total per cum	cum			1,063.00	0.00	0	0
10.7.40	Labour for filling Cement Bag, swing and laying material							
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	22353	107806.28	10781

Total Amount = 10,781

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

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

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