



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 :	BASGARHA PARBATT A TO JOTHGOVIND		
PACKAGE NO. :	BR-06R-049		
TOTAL LENGTH OF ROAD	:	17.680	KMS
TOTAL COST OF FDR. PART - A	:	8.879	LACS
ADD G.S.T. @ 12 %	:	1.065	LACS
ADD LABOUR CESS @ 1%	:	0.089	LACS
ADD SF @ 10%	:	0.470	LACS
TOTAL COST OF RESTORATION WORK	:	10.503	LACS

SUBMITTED BY
The Executive Engineer
Works Division, Naugachhiya

प्रतिवेदन

योजना का नाम :- Basgarha Parbatta to Jothgovind (BR-06R-049) .

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

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

पथ की लम्बाई :- 17.680 कि०मी०

प्राक्कलित राशि :- Rs. 10.503 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 ईट 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।

Vijay
29/10/2020

J. E.

[Signature]
29/10/2020

A. E.

[Signature]
16/11/20
E. E.

GENERAL ABSTRACT OF COST

Name of Road : BASGARHA PARBATTA TO
JOTHGOVIND

District : BHAGALPUR

Package No. : BR-06R-049

Block : ISMILEPUR

Length : 17.680 KM

SL No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	17.680 KM	8,87,887.00
2	Add G.S.T @ 12 %	:		1,06,546.00
3	Add L.C. @ 1 %	:		8,879.00
4	S. F. @ 10 %	:		46,964.00
	Total Cost of Restoration work	:		10,50,276.00
			Say,	10,50,276.00

10,50,276.00

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

A. E.
29/10/2020
A. E.

E. E.
16/11/2020
E. E.

Technically Appraised to Rs 10,50,276.00 (Rupees ten
lacs fifty thousand three hundred and 76 paise).

Superintending Engineer
12/10/2021
Rural Works Department
Works Circle, Bhagalpur

12/10/2021

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: BASGARHA PARBATTI TO JOTHGOVIND

Block: ISMILEPUR

Package No. BR-05R-049

Length : 17.680 KM

District: BHAGALPUR

Sl. No.	SSR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rate (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"								
							5,493	/bags	31.22	1,71,491.00
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"					416.88			
							416.88	cum	1718.47	7,16,396.00
Total Cost of Flood Protective work =										8,87,887.00

U. J. E.
29/10/2020

U. J. E.
29/10/2020

R. J. E.
16/12/2020

ANNEXURE - " B "

Measurement of E. C. Bags

Name of Road : BASGARHA PARBATT A TO JOTHGOVIND

Package No. BR-06R-049

Length of Road : 17.5

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)	Qua (No.s)
1	CH 1000 m - 17200 m	LHS	2	20.00	2.00	1.00	1.50	1.00			1.00	60.00	17
2	0 to 150 m	LHS	1	20.00	1.50		1.50	1.00			1.00	30.00	8
3	NEAR LAXMIPUR VILLAGE	RHS	1	25.00	1.50		1.50	0.90			0.90	33.75	9
4	CH 4000 m - 6000 m	LHS	10	3.00	1.50		1.50	1.20			1.20	54.00	15
5			5	2.00	1.00		1.00	0.90			0.90	9.00	24
											Total =	187	54

U. Singh
28/10/2020
J.E.

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

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

ANNEXURE - " A "

Brick Bat Measurement

Name of Road : BASGARHA PARBATT A TO JOTHGOVIND

Package No. BR-06R-049

Length of Road : 17.680 KM

Sr.No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	NEAR LAXMIPUR VILLAGE	1	27.00	4.00			4.00	0.60			0.60	64.80
2		1	30.00	3.00			3.00	0.30			0.30	27.00
3		1	10.00	3.00			3.00	0.30			0.30	9.00
4		1	30.00	4.00			4.00	0.90			0.90	108.00
5		1	35.00	3.50			3.50	0.60			0.60	73.50
6	7000 - 9000	1	5.00	0.50			0.50	0.40			0.40	1.00
7		1	6.00	0.50			0.50	1.00			1.00	3.00
8		1	3.00	1.00			1.00	1.00			1.00	3.00
9		1	4.00	1.50			1.50	1.50			1.50	9.00
10		1	5.00	2.00			2.00	1.20			1.20	12.00
11		4	3.00	0.50			0.50	1.30			1.30	7.80
12		5	2.00	1.00	0.75		0.88	1.10			1.10	9.88
13		4	3.00	1.50			1.50	1.30			1.30	23.40
14		1	6.00	1.50			1.50	1.40			1.40	12.60
15		1	7.00	1.50			1.50	1.20			1.20	12.60
16		4	5.00	1.00			1.00	1.20			1.20	24.00
17		1	20.00	2.00	1.00		1.50	0.50			0.50	15.00
18		5	2.00	0.50			0.50	0.30			0.30	1.50
												Total =

Udip
29/10/2020
J. E.

Udip
29/10/2020
A. E.

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

Rate Analysis for Carriage of Materials

Name of Road : BASGARHA PARBATTIA TO JOTHGOVIND

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	x	16.32	x	80.00 Km	=	Rs 2093.21	8.00	x	25.47	x	0.00 Km	=	Rs 0.00	172.07	0	Rs. 2265.28
				4.99							4.99									
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	172.07	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	172.07	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	172.07	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	164.19	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	164.36	0	Rs. 435.93
				25.00							25.00									

Cost of Haulage Excluding Loading & Unloading as per SOR

* Subjected to Verification of Lead

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	

29/10/2020

J. E.

29/10/2020

A. E.

16/11/20

E. E.

S. E.

SDB Sl. No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs	Total material Qty. required	Total Material Amount	Add 10 % 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)	Material							
	Brick Bats	cum	2.830	1,063.00	3008.29			
	Total per cum	cum			1,063.00	416.88	443143.44	44314
10.7.40	Labour for filling Cement Bag, swing and laying materials Unit							
WRD	- Per Bag							
A	Supply Empty cement Bag with Sand							
	Cost of Local Sand							
	1.2 Cft = 0.034 m ³							
	Total per bag	cum	0.034	141.85	4.82			
	Total cost of (A + B + C) =	Bag			4.82			
		Bag			4.82	5493	26492.19	2649

Total Amount = 46,964

Verf.
29/10/2020

J.E.

Verf.
29/10/2020

A.E.

Verf.
16/11/2020
E.E.