



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 :	PMGSY CHANDANI CHOWK TO MALPUR		
TOTAL LENGTH OF ROAD	:	1.540	KMS
TOTAL COST OF FDR. PART - A	:	6.098	LACS
ADD G.S.T. @ 12 %	:	0.732	LACS
ADD LABOUR CESS @ 1%	:	0.061	LACS
ADD SF @ 10%	:	0.118	LACS
TOTAL COST OF RESTORATION WORK	:	7.009	LACS

SUBMITTED BY
The Executive Engineer
Works Division, Naugachhiya

प्रतिवेदन

योजना का नाम :- DPR for FDR in PMGSY Chandani Chowk to Malpur .

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

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

पथ की लम्बाई :- 1.540 कि०मी०

प्राक्कलित राशि :- Rs. 7.009 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 ढुकड़े (Brick Bats) / Sand Bag / N.C 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।

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GENERAL ABSTRACT OF COST

Name of Road : PMGSY CHANDANI CHOWK TO
MALPUR

District : BHAGALPUR

Block : ISMILEPUR

Length : 1.540 KM

Sl. No	Particulars		Details	Total Cost (in Rs.)
1	Cost of Road Restoration work	:	1.540 KM	6,09,777.00
2	Add G.S.T @ 12 %	:		73,173.00
3	Add L.C. @ 1 %	:		6,098.00
4	S. F. @ 10 %	:		11,829.00
	Total Cost of Restoration work	:		7,00,877.00
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Technically Approved for Rs 7,00,900.00 (Rupees Seven lac nine hundred only).

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12/11/2020
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur
12/11

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: PMGSY CHANDANI CHOWK TO MALPUR

Block: ISMILEPUR

Length : 1.540 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"					12,338	/bags	31.22	3,85,192.00
2	5.7.52	Providing New bag and N.C with labour for filling item E.C. bag with local sand, stitching on two lines by approval (1mx1mx1m)					0			
							149	/N.C.	1064.40	158596.00
3	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.					38.40			
		As per attached "Annexure - A"					38.40	cum.	1718.47	65,989.00
Total Cost of Flood Protective work =										6,09,777.00

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ANNEXURE - " B "

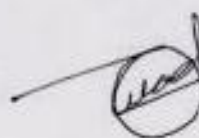
Measurement of E. C. Bags

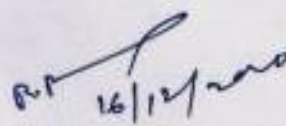
Name of Road : PMGSY CHANDANI CHOWK TO MALPUR

Length of Road : 1.540 KM

Sl. No.	Chainage (m)		Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)	Quantity (No of bag)
1	CH 150 m - 865 m	RHS	1	20.00	1.00	0.50		0.75	1.00			1.00	15.00	441
2			3	50.00	1.00	0.50		0.75	1.00			1.00	112.50	3309
3			1	39.00	1.30	0.50		0.90	1.00			1.00	35.10	1032
4			2	10.00	1.00	0.50		0.75	0.60			0.60	9.00	265
5			1	29.00	1.20	0.60		0.90	0.60			0.60	15.66	461
6	CH 150 m - 865 m	LHS	1	20.00	2.00	1.00		1.50	1.00			1.00	30.00	882
7			2	15.00	1.00	0.50		0.75	1.00			1.00	22.50	662
8			1	30.00	1.20	0.60		0.90	1.10			1.10	29.70	874
9			4	25.00	2.00	1.00		1.50	1.00			1.00	150.00	4412
												Total =	419	12,338

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ANNEXURE - " C "

Measurement of N. C. Bags

Name of Road : PMGSY CHANDANI CHOWK TO MALPUR

Length of Road : 1.540 KM

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)	Quantity (No of NC)
1	CH.150 m - 885m	RHS	1	20.00	2.00	1.00	1.50	1.00			1.00	30.00	30
2		RHS	1	50.00	1.00		1.00	1.00			1.00	50.00	50
3		RHS	1	20.00	1.00		1.00	1.00			1.00	20.00	20
4	Near HP Culvert		1	4.00	3.00	2.00	2.50	2.00			2.00	20.00	20
5			2	3.00	2.00	1.00	1.50	1.00			1.00	9.00	9
6			2	10.00	1.00		1.00	1.00			1.00	20.00	20
											Total =	149.00	149.00

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ANNEXURE - " A "

Brick Bat Measurement

Name of Road : PMGSY CHANDANI CHOWK TO MALPUR

Length of Road : 1.540 KM

Sr.No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	1160 - 1460	1	8.00	3.50			3.50	0.60			0.60	16.80
2		2	6.00	3.00			3.00	0.60			0.60	21.60
											Total =	38.40

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Rate Analysis for Carriage of Materials

Name of Road : PMGSY CHANDANI CHOWK TO MALPUR

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 4.99	x	16.32	x	80.00 Km	=	Rs 2093.21	8.00 4.99	x	25.47	x	0.00 Km	=	Rs 0.00			
1	Stone Metal Gr-III / GSB	Cum	Mirjachauki	8.00 4.99	x	16.32	x	80.00 Km	=	Rs 2093.21	8.00 4.99	x	25.47	x	0.00 Km	=	Rs 0.00	172.07	Rs. 2265.28	
2	Brick/ Brick Bats	Cum	Local	3.60 1.91	x	16.32	x	7.00 Km	=	Rs 215.33	3.60 1.91	x	25.47	x	1.00 Km	=	Rs 48.01	172.07	Rs. 435.40	
3	Local Sand	Cum	Local	3.60 2.04	x	16.32	x	2.00 Km	=	Rs 57.60	3.60 2.04	x	25.47	x	1.00 Km	=	Rs 44.95	172.07	Rs. 274.62	
4	Earth	Cum	Local	8.00 6.00	x	16.32	x	0.00 Km	=	Rs 0.00	8.00 6.00	x	25.47	x	1.00 Km	=	Rs 33.96	172.07	Rs. 206.03	
5	Hume Pipe (1000 mm)	M	Purnia	8.00 10.00	x	16.32	x	52.00 Km	=	Rs 678.93	8.00 10.00	x	25.47	x	0.00 Km	=	Rs 0.00	164.19	Rs. 843.12	
6	Hume Pipe (600 mm)	M	Purnia	8.00 25.00	x	16.32	x	52.00 Km	=	Rs 271.57	8.00 25.00	x	25.47	x	0.00 Km	=	Rs 0.00	164.36	Rs. 435.93	

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	

* Subjected to Verification of Lead

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