



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Govt. of Bihar

Flood Damage Repair (FDR)

STATE :- BIHAR
DISTRICT :- Nawada
BLOCK :- Nawada
SCN SI :- 0
YEAR 2019 - 20

Nawada to Nardiganj

DETAILED REPORT

TOTAL COST OF PAVEMENT REPAIR	Rs. 7.172 Lacs
TOTAL COST OF CONSTRUCTION	Rs. 7.172 Lacs
TOTAL COST OF PROJECT	Rs. 7.172 Lacs

Submitted By:
Executive Engineer
(R.W.D Works Division,) Nawada
Nawada (Bihar)

PREPARED BY:

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल इमामगंज

पत्रांक
प्रेषक,

225

/इमामगंज, दिनांक :- 17. 02. 2020

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल इमामगंज।

सेवा में,

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल गया।

विषय :- वर्ष-2019 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबूल करने हेतु किये गये कार्य की जांच के संबंध में।

प्रसंग :- भवदीय पत्रांक 2443 दिनांक 06.12.2019

महाशय,

उपर्युक्त विषयक एवं प्रासंगिक पत्र के आलोक में वर्ष 2019 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबूल करने हेतु कार्य प्रमंडल अंतर्गत जांच किया गया प्रतिवेदन निम्नवत् है :-

1. नवादा से नारदीगंज :- पथ के आठवें किमी० में 130 मीटर में पथ का कटाव हो गया है, मिट्टी एवं जीएसबी, Empty Cement Bag भरकर आवागमन चालु कर दिया गया है।
2. नवादा कुंज रोड से मोहिउन्दीनपुर :- पथ के दो स्थानों पर 7 मीटर एवं 3 मीटर में कटाव हो गया है जिसे Brick Bat आदि देकर पथ को चालु कर दिया गया है।
3. चकपर से मुर्गियाचक :- पथ के दूसरे कि०मी० में 15 मीटर में पुलिया के पास पथ का कटाव हो गया जिसे Brick Bat आदि देकर पथ का आवागमन चालु कर दिया गया है।
4. मंझवे से दौलतपुर :- पथ में बेलारु गांव के पास 4.5 मीटर में पथ का टुटान हो गया है जिसे Brick Bat एवं मिट्टी देकर आवागमन चालु कर दिया गया है।
5. कौआकोल पी०डब्ल्यू०डी० रोड से खड़सारी :- पथ के खड़सारी गांव के पास 7.50 मीटर में पथ का कटाव हो गया है जिसे Brick Bat आदि देकर आवागमन चालु कर दिया गया है।

विश्वासभाजन



कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल इमामगंज

SUMMARY OF COST ESTIMATE FOR THE REPAIR WORK

PACKAGE NO.

CNCPL NO. 0

LINK ROUTE NO.

NAME OF ROAD: Nawada To Nardiganj

DISTRICT Nawada

BLOCK Nawada

SI No	DESCRIPTION	AMUNT (LAKHS)
1	Providing Brick Bats on prepared Surface	2.744
2	Providing Local sand on Surface	3.448
3	Providing Single bamboo walling of 2 nd class of 85m to 100 mmd	0.100
4	Supplying of empty cement bag as per Specification.	0.055
		0.000
	SUB TOTAL OF PAVEMENT COST IN LACS	6.347
	Sub Total :-	6.347
	GST @ 12% ON (PART A) CONSTRUCTION	0.762
	LABOUR CESS @ 1% ON (PART A) CONSTRUCTION	0.063
	SUB TOTAL OF CONSTRUCTION WIRH GST	7.172
	SF SUNDRI FEE	0.717
	TOTAL COST OF PROECT IN LACS =	7.889

JE
NAWADA

AE
NAWADA

EE
NAWADA

Technically approved for 7.889 Lakh.
(7 Seven Lakh eighty eight thousand nine hundred only)

Superintending Engineer
Rural Works Department
Works Circle, Gaya

Cost of Haulage Excluding Loading & Unloading as per SOR

Truck

Type of Road	Per Ton. Km by Tipper	Per Ton. Km by Truck
For Surface Road	8.20	7.47
Unsurface Gravel Road	9.90	8.99
Kachha Road	19.80	18.09

Analysis for Carriage by Road & Rail

Name of Nawada To nardiganj

Block :- Nawada

District:- Nawada

* Subjected to Verification of Lead									
Carriage Rate excluding Labour CESS									
Carriage Cost & Lead in Km									
Sl No	Item with Source	Unit	Source from	Pucka / Surface			Unsurface / Kachha		
1	Local Sand	Cum	Local	8.00	x	2.00 Km =	8.00	x	18.09
				5.00			5.00		
2	Bricks	% Nos	Local	8.00	x	7.00 Km =	8.00	x	8.99
				2.00			2.00		
3	Brick Bats	Cum	Local	8.00	x	7.00 Km =	8.00	x	8.99
				5.00			5.00		
				Pucka / Surface			Unsurface / Kachha		
				Rs 23.90			Rs 28.94		
				Rs 209.16			Rs 35.96		
				Rs 83.66			Rs 14.38		

SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
Derri-vation	Similar to Item no. 4.17	Providing Brick Bats on prepared surface by hauling vehicles, spreading and mixing with a motor grader, watering and compacting with a vibratory roller to form a layer of sub-base or temporary approach road for flood damaged communication. Unit = cum Taking output = 360 cum (By mix in place method)				
a)	Labour					
	Mate	day	0.48	284.00		136.32
	Mazdoor (Skilled)	day	2.00	340.00		680.00
	Mazdoor	day	8.00	268.00		2144.00
b)	Machinery					
	Tractor with Rotavator 25 cum per hour	hour	11.37	570.00		6480.90
	Motor Grader 110 HP @ 50 cum per hour	hour	7.20	2697.00		19418.40
	Vibratory Roller 8-10 tonnes @ 60 cum per hour	hour	6.00	2029.00		12174.00
	Water tanker 6 kl capacity	hour	6.00	183.00		1098.00
c)	Material					
	Brick Bats	cum	345.60	1006.00		347673.60
	63 mm and down @ 75 per cent	cum	115.20	118.85		13691.52
	Local (Fine) Sand @ 25%	kl	36.00	40.00		1440.00
	Water					24431.99
d)	Overheads @ 10% - (4%) on (a + b + c)					42936.87
e)	Contractor's profit @ 10% on (a+b+c+d)					472305.60
	Total Cost without carriage					1311.96
	A) Cost without carriage per cum	cum				
	Carriage Cost of material					
	Brick Bats	cum	345.60	376.00		129945.60
	Local (Fine) Sand	cum	115.20	245.70		28304.64
	Carriage cost	cum				158250.24
	Carriage cost per cum	cum				439.58
	Rate per cum =	cum				1758.46
	Total Cost (excluding LABOUR CESS.)	CUM				1,758.50
Derri-vation	Similar to Item no. 1207	Providing and filling on prepared surface by hauling vehicles, spreading and mixing with a motor grader, watering to form a layer of sub-base or temporary approach road for flood damaged communication. Unit = cum Taking output = 1 cum				
a)	Labour					
	Mate	day	0.01	284.00		2.84
	Mazdoor unskilled	day	0.30	268.00		80.40
c)	Material					
	Sand (assuming 20 percent void)	cum	1.20	118.85		142.62
	Local (Fine) Sand @ 1.20	kl	0.10	40.00		4.00
	Water					229.86
	Overheads @ 10% - (4%) on (a + b + c)					22.99
d)	Contractor's profit @ 10% on (a+b+c+d)					22.99
e)	Total Cost without carriage					275.83
	Carriage Cost of material	cum	1.20	245.70		294.84
	Local (Fine) Sand	cum				570.67
	Rate per cum =	cum				
	Total Cost (excluding LABOUR CESS.)	CUM				570.67

Amish
12/11/19
JE
Nawada

AE
Nawada

EE
12-11-19
Nawada

SDB SL.NO	MORD Ref.No	Descripti on	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY		
		SUB HEAD : CC PAVEME NT								
4.1 (A)	401 (ii)	Granular Sub-base with Well Graded Material (Table 400.1) (By mix in place method) Providing Brick Bats on prepared surface by hauling, vehicles, spreading,								
		cum	1.00	30.00	2.750	0.450		37.13		
		Cum	1.00	30.00	2.500	0.450		33.75		
		Cum	1.00	30.00	2.750	0.450		37.13		
		Cum	1.00	30.00	2.950	0.450		39.83		
		Cum	1.00	10.00	2.750	0.300		8.25		
		Brick Bats on prepared surface.						156.08	1,758.50	2,74,457.83
2		Providing and filling Local Sand as per technical specification and direction-								
		cum	1.00	30.00	3.150	1.250		118.13		
		Cum	1.00	30.00	3.050	1.330		121.70		
		Cum	1.00	30.00	3.500	1.500		157.50		
		Cum	1.00	30.00	3.550	1.100		117.15		
		Cum	1.00	10.00	2.950	1.350		39.83		
		qty.vide item no (4)						50.00		
3		providing single bamboo walling of 2nd class of 85mm to 100 mmdia closely packed and driven including fitting and fixing as per tech.specification.								
		mtr	50	3				150	66.9	10035.00
4		supplying of empty cement bag as per specification.								
			1.00	30.00	0.50	1.25		18.75		
			1.00	20.00	0.50	1.25		12.50		
			1.00	30.00	0.50	1.25		18.75		
								50.00		
							29no/m3	1450.00	3.80	5510.00
										6,34,855.92

12/11/19
J. E

12/11/19
EE