



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 Sl :- 0

YEAR 2019 - 20

L092-NAWADA KUNJ ROAD TO MOHIUDDINPUR (TRACK56)

DETAILED REPORT

TOTAL COST OF PAVEMENT REPAIR	Rs. 0.848 Lacs
TOTAL COST OF CONSTRUCTION	Rs. 0.848 Lacs
TOTAL COST OF PROJECT	Rs. 0.848 Lacs

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

PREPARED BY:

SUMMARY OF COST ESTIMATE FOR THE REPAIR WORK

PACKAGE NO.

CNCPL NO. 0

LINK ROUTE NO.

NAME OF ROAD: L092-NAWADA KUNJ ROAD TO MAHIUDDINPUR (TRACK 56)

DISTRICT Nawada

BLOCK Nawada

SI No	DESCRIPTION	AMUNT (LAKHS)
1	Providing Brick Bats on prepared Surface	0.395
2	Providing Local sand on Surface	0.291
		0.000
	SUB TOTAL OF PAVEMENT COST IN LACS	0.686
	Sub Total :-	0.686
	GST @ 12% ON (PART A) CONSTRUCTION	0.082
	LABOUR CESS @ 1% ON (PART A) CONSTRUCTION	0.080
	SUB TOTAL OF CONSTRUCTION WIRH GST	0.848
	SIGNORANCE FEE	0.084
	TOTAL COST OF PROECT IN LACS =	0.932

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Technically approved for Rs 0.932 Lacs
(U) Ninety Three Lacs two thousand only

Superintending Engineer,
Rural Works Department
Works Circle, Gaya

SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate
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				136.2
	Mate	day	0.48	284.00	680.0
	Mazdoor (Skilled)	day	2.00	340.00	2144.0
	Mazdoor	day	8.00	268.00	
b)	Machinery				6480.9
	Tractor with Rotavator 25 cum per hour	hour	11.37	570.00	19418.4
	Motor Grader 110 HP @ 50 cum per hour	hour	7.20	2697.00	12174.0
	Vibratory Roller 8-10 tonnes @ 60 cum per hour	hour	6.00	2029.00	1098.0
	Water tanker 6 kl capacity	hour	6.00	183.00	
c)	Material				
	Brick Bats				
	63 mm and down @ 75 per cent	cum	345.60	1006.00	347673.60
	Local (Fine) Sand @ 25%	cum	115.20	118.85	13691.52
	Water	kl	36.00	40.00	1440.00
d)	Overheads @ 10% - (4%) on (a + b + c)				24431.95
e)	Contractor's profit @ 10% on (a+b+c+d)				42936.87
	Total Cost without carriage				472305.6
	A) Cost without carriage per cum	cum			1311.9
	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			1758.48
	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)				
	Local (Fine) Sand @ 1.20	cum	1.20	118.85	142.62
	Water	kl	0.10	40.00	4.00
					229.86
d)	Overheads @ 10% - (4%) on (a + b + c)				22.99
e)	Contractor's profit @ 10% on (a+b+c+d)				22.99
	Total Cost without carriage				275.83
	Carriage Cost of material				
	Local (Fine) Sand	cum	1.20	245.70	294.84
	Rate per cum =	cum			570.67
	Providing and Laying Reinforced Cement Concrete				
	Pipe NP3 as per design in Single Row				
	600 mm dia				
(a)	Labour				
	Mate	day	0.05	222.00	11.10
	Mazdoor (1st Class)	day	0.15	279.00	41.85
	Mazdoor (Unskilled)	day	1.20	206.00	247.20

	Material					
	Sand at site	cum	0.024	141.09		3.39
	Cement at site	t	0.018	5858.71		105.46
	RCC ppe NP3 Concrete pipe including collar at site	m	7.500	873.20		6549.00
	Overheads @ 10% & CP @ 10%					1461.26
	Cost of 7.5m = a+b+c					8419.64
	Rate per cum = (a+b+c)7.5					1122.62

Arvind
12/11/19

Nawada

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Nawada

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12/11/19
Nawada