

**अधीक्षण अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य अंचल, गया।**

पत्रांक:- 2479 अनु०

गया/दिनांक :- 12/11/2020

प्रेषक,

अधीक्षण अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल, गया।

सेवा में,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, नवादा।

विषय:- शीर्ष प्रधानमंत्री ग्राम सड़क योजनान्तर्गत Nawada Kunj Road to Mohiuddinpur पथ में वर्ष 2019-20 में बाढ़ अतिवृष्टि के कारण क्षतिग्रस्त पथ का डी०पी०आर० के संबंध में।

प्रसंग:- आपका पत्रांक-1686 अनु० दिनांक-05.11.2020

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संबंध में सूचित करना है कि अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथों को आपतकालीन मरम्मत करने हेतु इस कार्यालय के पत्रांक-2238 दिनांक-18.09.2020 द्वारा दूसरे आवंटित कार्य प्रमंडल से जाँच प्रतिवेदन प्राप्त करने हेतु निर्देशित है। परन्तु आपके द्वारा उपलब्ध कराये गये Nawada Kunj Road to Mohiuddinpur पथ में मरम्मत से संबंधित आवंटित दूसरे कार्य प्रमंडल से जाँच प्रतिवेदन अप्राप्त है। जाँच प्रतिवेदन की प्रत्याशा में विषयांकित कार्य का तकनीकी अनुमोदन प्रदान की जा रही है। तथा निर्देश दिया जाता है कि अग्रेतर कार्रवाई/तकनीकी स्वीकृति के पूर्व जाँच प्रतिवेदन प्राप्त कर अधोहस्ताक्षरी कार्यालय को समर्पित कराना सुनिश्चित करें। तकनीकी अनुमोदन की राशि निम्नवत् है :-

क्र० सं०	कार्य का नाम	लम्बाई (कि०मी०)	तकनीकी अनुमोदन की राशि (लाख में)
1	Nawada Kunj Road to Mohiuddinpur	0.2	14.820

अनु०-डी०पी०आर० एक प्रति में।

विश्वासभाजन

अधीक्षण अभियंता

ग्रामीण कार्य विभाग, कार्य अंचल, गया।

12.11.2020



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED ESTIMATE FOR FLOOD DAMAGE REPAIR (F.D.R)



Detail Estimate for Repair of Flood Damage in Nawada Kunj Road to Mohuddipur

DISTRICT	:	Nawada	
DIVISION	:	Nawada	
BLOCK	:	Nawada	
TOTAL COST OF ROAD REPAIR	:	14.82	Lac

Submitted By:
Executive Engineer
RWD, Works Division
Nawada

GENERAL ABSTRACT OF COST FOR F.D.R

NAME OF ROAD : Nawada Kunj Road to Mohuddipur

DISTRICT Nawada
BLOCK Nawada
DIVISION Nawada

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	EARTHWORK	4.07
2	BRICK BATS	6.97
3	HUME PIPE	0.43
4	SAND FILLING	1.17
5	EMPTY CEMENT BAG	0.35
6	BAMBOO	0.01
	SUB TOTAL	13.00
	ADD 12% GST	1.56
	ADD 1% LABOUR CESS	0.13
	SEIGNIORAGE FEE	0.13
	TOTAL COST OF PROJECT IN LACS =	14.82

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11/10/2020

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11/10/2020

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RWD Works Division
Nawada

*Technically approved for B. 14.820 lacs
(B Paton lacs eighty two thousand only)*

[Signature]
12/11
Superintending Engineer
Rural Works Department
Works Circle, Gaya

Cost Estimate For Emergent Repair of Road Damaged Due to Flood

Name of Road Nawada Kunj Road to Mohuddipur

Sl. No.	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
1	303.1	Earth Work Construction of Subgrade and Earthen Shoulders to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 100 m as per Technical Specification Clause 303.1.								
		At ch-300 m	Cum	1	4.00	1.50	0.50	3.00		
		At ch-400 m	Cum	2	2.00	1.50	1.50	9.00		
		At ch-450 m	Cum	2	6.00	1.50	1.20	21.60		
		At ch-500 m	Cum	2	3.00	1.50	1.00	9.00		
		At ch-550 m	Cum	1	13.00	6.00	1.00	78.00		
		At ch-600 m	Cum	1	17.00	6.50	1.25	138.13		
		At ch-700 m	Cum	1	9.00	2.00	0.50	9.00		
		At ch-750 m	Cum	1	12.00	1.75	0.50	10.50		
		At ch-800 m	Cum	1	4.00	1.50	0.50	3.00		
		At ch-900 m	Cum	1	18.00	6.00	1.00	108.00		
		At ch-950 m	Cum	1	15.00	6.00	1.50	135.00		
		At ch-1000 m	Cum	1	16.50	2.00	1.50	49.50		
		At ch-1100 m	Cum	1	9.00	6.50	2.00	117.00		
		At ch-1200 m	Cum	1	11.00	6.50	2.10	150.15		
		At ch-1350 m	Cum	1	26.50	6.50	2.00	344.50		
		At ch-1400 m	Cum	1	12.50	6.50	2.50	203.13		
		At ch-1450 m	Cum	1	9.00	6.00	2.50	135.00		
		At ch-1500 m	Cum	1	21.00	6.50	3.50	477.75		
		Total						2,001.26	203.45	4,07,156.00
2	303.1	Brick Bats								
		Emergent Repair by Filling Brick Bats in Flood damaged Stretch of the Road for making it Motorableas per S/D of E/I								
		At ch-550 m	Cum	1	13.00	3.75	0.600	29.25		
		At ch-600 m	Cum	1	17.00	3.75	0.600	38.25		
		At ch-700 m	Cum	1	9.00	1.00	0.600	5.40		
		At ch-750 m	Cum	1	12.00	0.50	0.500	3.00		
		At ch-900 m	Cum	1	18.00	3.75	0.450	30.38		
		At ch-950 m	Cum	1	15.00	3.75	0.600	33.75		
		At ch-1000 m	Cum	1	16.50	0.75	0.600	7.43		

SL. No.	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
		At ch-1100 m	Cum	1	9.00	3.80	0.450	15.39		
		At ch-1200 m	Cum	1	11.00	3.75	0.500	20.63		
		At ch-1350 m	Cum	1	26.50	4.00	0.600	63.60		
		At ch-1400 m	Cum	1	12.50	3.75	0.600	28.13		
		At ch-1450 m	Cum	1	9.00	3.75	0.600	20.25		
		At ch-1500 m	Cum	1	21.00	7.00	0.500	73.50		
		Total						368.96	1,890.09	6,97,369.00
3		Hume Pipe								
		Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.								
		600 mm dia	Rm	1	2.50	3.0		7.50	2,122.07	15,916.00
		1000 mm dia	Rm	1	2.50	3.0		7.50	3,564.95	26,737.00
4		Sand filling								
		Providing and Local sand Filling as per Technical Specification and Direction								
		Below Hume Pipe	Cum	1	3.00	7.500	1.000	22.50		
		Both Side of washed out Portion (At ch-900 m)	Cum	2	7.50	1.500	3.250	73.13		
		Both Side of washed out Portion (At ch-1350 m)	Cum	2	7.50	1.500	3.500	78.75		
		Both Side of washed out Portion (At ch-1500 m)	Cum	2	7.50	1.500	3.000	67.50		
		Total						241.88	482.19	1,16,632.00
5		Supplying of Empty Cement Bag as per Specification	nos							
		Qty vide Item no 4	nos		96.75 cum @ 29 no/cum			7015	5.0	35,075.00
6		Providing Single Bamboo walling of 2 nd class of 85 mm to 100 mm dia closely packed and driven including fitting and fixing as per Technical Specification and Direction								
			nos	6	10			60	20.0	1,200.00
		A) SUB TOTAL =								13,00,085.00

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RWD Works Division
Nawada

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Name of Road:--

Nawada Kunj Road to Mohuddipur

Analysis for Carriage by Road & Rail

District:-

Nawada

Block :- Nawada

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km			Loading & Unloading Cost	Carriage Cost by Rail Head	Total
				Pucka / Surface		Katcha			
1	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 7.52$	$\times 2.00 \text{ Km} = \text{Rs } 24.11$	$\frac{8.00}{4.99} \times 18.19$	$\times 1.00 \text{ Km} = \text{Rs } 29.16$	96.53	Rs. 149.80
2	Brick	1000 Nos	Local	$\frac{8.00}{2.00} \times 7.52$	$\times 7.00 \text{ Km} = \text{Rs } 210.56$	$\frac{8.00}{2.00} \times 18.19$	$\times 1.00 \text{ Km} = \text{Rs } 72.76$	406.10	Rs. 689.42
3	Brick Bat		Local	$\frac{3.60}{2.25} \times 18.98$	$\times 7.00 \text{ Km} = \text{Rs } 212.53$	$\frac{3.60}{2.25} \times 29.70$	$\times 1.00 \text{ Km} = \text{Rs } 47.52$	200.63	Rs. 460.68
4	Hume Pipe (1000 mm)	m	Giddha	$\frac{8.00}{10.00} \times 7.52$	$\times 75.00 \text{ Km} = \text{Rs } 451.20$	$\frac{8.00}{10.00} \times 18.19$	$\times 0.00 \text{ Km} = \text{Rs } 0.00$	69.62	Rs. 520.82
5	Hume Pipe (600 mm)	m	Giddha	$\frac{8.00}{25.00} \times 7.52$	$\times 75.00 \text{ Km} = \text{Rs } 180.48$	$\frac{8.00}{25.00} \times 18.19$	$\times 0.00 \text{ Km} = \text{Rs } 0.00$	29.84	Rs. 210.32
6	Hume Pipe (300 mm)	m	Giddha	$\frac{8.00}{60.00} \times 7.52$	$\times 75.00 \text{ Km} = \text{Rs } 75.20$	$\frac{8.00}{60.00} \times 18.19$	$\times 0.00 \text{ Km} = \text{Rs } 0.00$	29.84	Rs. 105.04

Cost of Haulage Excluding Loading & Unloading as per SO aa

* Subjected to Verification of Lead

Type of Road	Per Ton. Km by Tipper	Per Ton. Km by Truck	Per Ton. Km by Tractor
For Surface Road	8.40	7.52	18.98
Unsurface Gravel Road	10.10	9.04	23.70
Katcha Road	20.30	18.19	29.70

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