



Govt. of Bihar

R.W.D. WORKS CIRCLE, GAYA

*Detailed Estimate for
Flood Damage Repair of
Nawada Kunj Road To
Mahadipur.
(Temporary Restoration)*

Under- "3054-Repair"

Block - Nawada

District - Nawada

Estimated Cost - Rs. 9,26,200/-

9,14,500/-

Submitted By :-

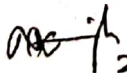
Executive Engineer

R.W.D. Works Division,

NAWADA

बाढ क्षतिग्रस्त पथों का अंतर प्रमंडलीय जांच प्रतिवेदन हेतु प्रपत्र

	निरीक्षी पदाधिकारी का नाम एवं पदनाम	श्री शिवशंकर गुप्ता, कार्यपालक अभियंता, ईमांगंज
2	निरीक्षण की तिथि	22.11.2021
3	पथ का नाम (शीर्ष के साथ)	नवादा कुज रोड से मोहिउद्धीनपुर (PMGS)
4	पथ की लंबाई	2.00 कि०मी०
5	कार्य प्रमंडल का नाम	नवादा
6	प्रखण्ड का नाम	नवादा
7	पथ की स्थिति	पूर्ण
8	पथ अनुरक्षण अवधि में है	हां
9	क्षतिग्रस्त भाग की लंबाई	112.40 मीटर
10	क्षतिग्रस्त भाग में कराये गये कार्य का विवरणी (लंबाई X चौड़ाई X उंचाई)	मापी संलग्न
11	Temporary Restoration में किस-किस सामग्रियों का उपयोग किया गया है, उसका विवरणी	E/W, Sand Bag, Brick Bat
12	अभ्युक्ति	यातायात चालु


 22.11.21
 AE
 RWD Imanganj


 निरीक्षी पदाधिकारी का हस्ताक्षर
 पदनाम सहित

नवादा कुंज रोड से मोहिउद्धीनपुर

Earth Work

1	x	20.00	Mx	3.00	Mx	1.50	M
1	x	2.00	Mx	3.00	Mx	2.20	M
1	x	8.00	Mx	2.70	Mx	1.50	M
1	x	14.20	Mx	5.50	Mx	1.00	M
1	x	7.00	Mx	6.00	Mx	1.75	M
1	x	3.00	Mx	3.00	Mx	1.20	M
1	x	10.00	Mx	5.50	Mx	2.50	M
1	x	25.50	Mx	6.00	Mx	1.25	M
1	x	10.20	Mx	4.50	Mx	1.75	M
1	x	12.50	Mx	6.00	Mx	1.50	M

Brick Bats

1	x	20.00	Mx	3.00	Mx	0.60	M
1	x	2.00	Mx	3.00	Mx	0.30	M
1	x	8.00	Mx	2.70	Mx	0.45	M
1	x	14.20	Mx	5.50	Mx	0.60	M
1	x	7.00	Mx	6.00	Mx	0.35	M
1	x	3.00	Mx	3.00	Mx	0.60	M
1	x	10.00	Mx	5.50	Mx	0.30	M
1	x	25.50	Mx	6.00	Mx	0.30	M
1	x	10.20	Mx	4.50	Mx	0.30	M
1	x	12.50	Mx	6.00	Mx	0.60	M

Sand Bag 12131 Nos (approx.)

AE 22.11.21
RWD Imangang.

निरीक्षी पदाधिकारी का हस्ताक्षर
पदनाम सहित

प्रतिवेदन

कार्य का नाम :- नवादा कुंज पथ से महदीपुर पथ मे यातायात पुर्नस्थापन कार्य।

प्राक्कलित राशि :- 9.262 लाख
9,145 लाख

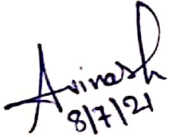
मद :- FDR

नवादा कुंज पथ से महदीपुर पथ में अतिवृष्टि के फलस्वरूप खुरी नदी के द्वारा पथ में विभिन्न स्थानों पर नदी के द्वारा कटाव कर दिया गया है। पथ की सुरक्षा को देखते हुए उक्त कटाव स्थानों पर मिट्टी भरकर Brick Bat से क्षतिग्रस्त कटाव स्थल को भरकर कटाव से बचाव हेतु स्थल की आवश्यकता के अनुरूप Sand Bag देने का प्रावधान कर प्राक्कलन तैयार किया गया है।

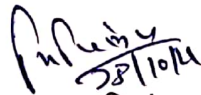
अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, गया द्वारा अनुमोदित दर के आधार पर मदों का दर विश्लेषण कर, दर का समावेश किया गया है। विभागीय निर्देश के आलोक में, तैयार प्राक्कलन में 1 प्रतिशत के दर से लेबर शेष तथा 12 प्रतिशत के दर से जी०एस०टी० एवं सामग्री की कीमत पर 10 प्रतिशत के दर से मालिकाना फीस का प्रावधान किया गया है।

प्राक्कलन में प्रावधानित मदों के दर विश्लेषण में ओवरहेड एवं संवेदक का लाभांश शामिल नहीं किया गया है।

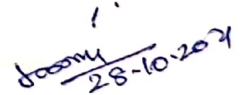
प्राक्कलन की प्रावैधिक एवं प्रशासनिक स्वीकृति अपेक्षित है।


8/11/24

कनीय अभियंता
ग्रामीण कार्य विभाग


28/10/24

सहायक अभियंता
ग्रामीण कार्य विभाग


28-10-2024

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, नवादा

GENERAL ABSTRACT OF COST

Name of Road : F.D.R. of Nawada Kunj Road To Mahadipur

Circle - Gaya

District - Nawada

Division - Nawada

Block - Nawada

S.N.	DESCRIPTION	AMOUNT
1	EARTH WORK	Rs 165965.00
2	BRICK BAT'S	Rs 355553.00
3	SAND BAG	Rs 265462.00
	SUB TOTAL	Rs 786980.00
	ADD FOR -	
	G.S.T. @ 12 %	Rs 94438.00
	LABOUR CESS @ 1 %	Rs 7870.00
	SEIGNIORAGE FEE	Rs 36843.00
	GRAND TOTAL	Rs. 926131.00
	Say -	Rs. 926200.00

255353.00
776,876.00
93225.00
7769.00
36611.00
914481.00
914481.00

Avinash
8/7/21
JE
R.W.D

Indu
28/10/21
A.E
R.W.D

28.10.2021
Executive Engineer
R.W.D., Works Division
Nawada

Provisionally Technically Sanctioned for Rs 9,14,481.00
(Nine lakh fourteen thousand four hundred eighty one only)

15/11
Superintending Engineer
Rural Works Department
Works Circle, Gaya

COST ESTIMATE FOR EMERGENT REPAIR OF ROAD DAMAGED DUE TO FLOOD

Name of Work Nawada Kunj Road To Mahadipur Block - Nawada District - Nawada

i.No	Item's of Work										Qty		Rate		Unit		Amount		
	2										3		4		5		6		
1																			
1	Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2. with lead upto 1000 M.																		
		1	x	20.00	Mx	3.00	Mx	1.50	M=	90.00	Cum								
		1	x	2.00	Mx	3.00	Mx	2.20	M=	13.20	Cum								
		1	x	8.00	Mx	2.70	Mx	1.50	M=	32.40	Cum								
		1	x	14.20	Mx	5.50	Mx	1.00	M=	78.10	Cum								
		1	x	7.00	Mx	6.00	Mx	1.75	M=	73.50	Cum								
		1	x	3.00	Mx	3.00	Mx	1.20	M=	10.80	Cum								
		1	x	10.00	Mx	5.50	Mx	2.50	M=	137.50	Cum								
		1	x	25.50	Mx	6.00	Mx	1.25	M=	191.25	Cum								
		1	x	10.20	Mx	4.50	Mx	1.75	M=	80.33	Cum								
		1	x	12.50	Mx	6.00	Mx	1.50	M=	112.50	Cum								
											819.58	Cum	819.58	Cum	Rs.	202.50	/Cum	Rs.	165965.00
	2	Providing laying, spreading and filling Brick Bat's in Flood damage area for making the road motarable as per specification and direction of E/I.																	
		1	x	20.00	Mx	3.00	Mx	0.60	M=	36.00	Cum								
		1	x	2.00	Mx	3.00	Mx	0.30	M=	1.80	Cum								
		1	x	8.00	Mx	2.70	Mx	0.45	M=	9.72	Cum								
		1	x	14.20	Mx	5.50	Mx	0.60	M=	46.86	Cum								
		1	x	7.00	Mx	6.00	Mx	0.35	M=	14.70	Cum								
		1	x	3.00	Mx	3.00	Mx	0.60	M=	5.40	Cum								
		1	x	10.00	Mx	5.50	Mx	0.30	M=	16.50	Cum								
		1	x	25.50	Mx	6.00	Mx	0.30	M=	45.90	Cum								
		1	x	10.20	Mx	4.50	Mx	0.30	M=	13.77	Cum								
		1	x	12.50	Mx	6.00	Mx	0.60	M=	45.00	Cum								
											235.65	Cum	235.65	Cum	Rs.	1,508.82	/Cum	Rs.	355553.00

3	Providing and laying Sand Bags as per specification and direction of E/I.										
	Width of 1 no Sand Bag							0.508	M		
	Width of 4 no Sand Bag				4	x	0.508			2.03	M
	Volume of 1 bag		0.762	Mx	0.508	Mx	0.10	M=	0.039	Cum	
	1	x	60.00	Mx	2.03	Mx	3.50	M=	426.30	Cum	
	1	x	20.00	Mx	1.01	Mx	1.50	M=	30.30	Cum	
	1	x	15.00	Mx	0.508	Mx	1.50	M=	11.43	Cum	
	1	x	15.00	Mx	0.508	Mx	1.00	M=	7.62	Cum	
	1	x	7.00		0.508	Mx	1.00	M=	3.56	Cum	
								479.21	Cum		
Hence no of bag			479.21	/	0.038			12611	bag	12611	Cum
									Rs.	21.05	/Cum
									Rs.	265462.00	
										786980.00	

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8/7/21
J.E.
R.W.D.

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28/10/21
A.E.
R.W.D.

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28-10-2021
Executive Engineer
R.W.D., Works Division
Nawada

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W.D.
Executive Engineer
R.W.D., Works Division
Nawada

3.16	305	Construction of Embankment with Material obtained from Borrowpits					
		Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2. with lead upto 1000 M (Analysis SOR, RCD)					
		Unit- Cum					
		a) Labour					
		Mate	day	0.04	310.00	12.40	
		Mazdoor (Unskilled)	day	1.00	292.00	292.00	
		b) Machinery				304.40	
		Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour	hour	1.67	2702.00	4512.34	
		Tipper 5.50 with 10 t capacity	hour	4.50	1183.00	5323.50	
		Add 10 per cent of cost of carriage to cover cost of loading and unloading	cum	0.10	5323.50	532.35	
		Dozer 50 HP for spreading @ 100 cum per hour	hour	0.50	3319.00	1659.50	
		Tractor mounted grader for grading @ 100cum / hour	hour	1.00	612.00	612.00	
		Water Tanker 6 kl capacity	hour	2.00	907.00	1814.00	
		Three wheeled 80-100 kn static roller @ 80 cum per hour	hour	1.25	901.00	1126.25	
						15579.94	
		c) Material					
		Water	kl	12.00	73.60	883.20	
		Compensation of earth taken from private land	cum	100.00	34.82	3482.00	
						4365.20	
		Cost for 100 cum (a+b+c)				20249.54	
		Rate per cum = (a+b+c) / 100				202.50	

	Providing laying, spreading and compacting of Brick Bat by kn 80-100 static roller as per Specification & direction of E/I.. (Rate Approved vide S.E., RWD, Works Circle No- Dt.)					
	Unit- Cum (Taking output - 3 00 cum.)					
	a) Labour					
	Semi-Skilled (As Mate)	day	0.48	304.00	145.92	Sl. - 14
	Mazdoor (Skilled)	day	2.00	370.00	740.00	Sl. - 15
	Mazdoor (Unskilled)	day	10.00	292.00	2920.00	Sl. - 13
					3805.92	
	b) Machinery					
	Three Wheel 80-100 kn Static Roller	day	3.75	901.00	3378.75	Sl.-24
	Water Tanker 6 kl capacity	day	0.00		0.00	
					3378.75	
	c) Material					
	Aggregate					
	Brick Bat with carriage (300 x 1.20 = 360.00)	cum	360.00	1237.39	445460.40	Sl. - 03
	Water	kl	0.00	73.60	0.00	
					445460.40	
	Cost for 300 cum = (a+b+c)				452645.07	
	Rate per cum = (a+b+c) / 300				1508.82	

	Empty Cement Bag with Local Sand. (Rate Approved vide S.E., RWD, Works Circle, Gaya No- 1120 Dt. 25.06.2021)					
	Unit - Bag					
	Labour for filling of Sand in Empty Cement Bag and placing in position	No	0.02	292.00	5.84	Sl. - 13
	b) Material					
	Cost of empty cement Bag (As per Approved Rate)	No	1.00	3.50	3.50	Sl. - 01
	Rate of Sand with Carriage (Assuming 1.20 cft or 0.034 cum Sand in 1 bag)	cum	0.034	342.44	11.64	Sl. - 04
	Add for Miscellenous item's		L.S.		0.07	
	Rate per Bag = (a+b)				21.05	

	Supplying and labour for cutting 62 mm to 75 mm dia bamboo poles to size and making shoes as per specification and direction etc. complete job as per specification and direction of E/I. (Rate Approved vide S.E., RWD, Works Circle, Gaya No- 1120 Dt. 25.06.2021)					
	Unit - Per M (Taking Output - 140 m)					
	Assuming (20 nos pile work 1.525 m deep) Total depth sunk- 20 x 1.525 = 30.50 m					
	a) Labour					
	Carpentor Gr-II	day	0.25	351.00	87.75	Sl. - 19
	Mazdoor Unskilled (For Pilling)	day	2.500	292.00	730.00	Sl. - 13
	b) Material	/M	140.000	17.75	2485.00	Sl. - 02 (i)
	Cost for 140 M				3302.75	
	Rate Per M (a+b)/140				23.59	

Flood/Rain Damaged Road as per MIS (2021-22)

S/No	District	Block	Road Name	Scheme	Road Status	Is Maintenance (Y/N)	Is Agreement (Y/N)	Length (In Km.)	Length of Damage Part Due to Flood	Tentative Restoration Amount (In Lac)	Actual Restoration Amount (In Lac)	Remarks	Current Status
1	Nawada	HISUA	T05 PMGSY ROAD to AJALAT BIGHA VIYA AGARWATI BHAWAN	MMGSY[SC]	On Going	No	Yes	3.22	0.06	6.5	6.5	Guide wall 60m and CC Pavement Flank about 100m Damaged due to Heavy rain fall.	
2	Nawada	Nardiganj	L066-T05 TO MILKI (TRACK57)	PMGSY	Completed	Yes	Yes	2.13	0.04	6	6	Road damaged due to river meandering.	
3	Nawada	Nardiganj	NARDIGANJ - BIKU	New MR	Completed	No	No	3.95	0.025	5	5	Slab Culvert with approach road Damaged due to heave rain fall.	
4	Nawada	Nawada Sadar	Construction of Road from Kadirganj Sakulachak Road to Village - Bishunpur	MMGSY OLD	Completed	No	No	2	0.01	3	3	The Slab Culvert which is about 15 Year Old made up by Panchayat Scheme damaged due to Heavy water pressure of flow.	
5	Nawada	Nawada Sadar	L092-NAWADA KUNJ ROAD TO MOHIUDDINPUR (TRACK56)	PMGSY	Completed	Yes	Yes	2	0.07	12	12	Shoulders, Embankment and also surface damaged due to heavy Rainfall	