



Govt. of Bihar

R.W.D. WORKS CIRCLE, GAYA

*Detailed Estimate for
F.D.R. of T05 To Milki
Road. (Temporary
Restoration)*

Under- P.M.G.S.Y.

District - Nawada

Block - Nardiganj

Estimated Cost - Rs. 6,02,800/-

Prepared By :-

Executive Engineer

R.W.D. Works Division,

NAWADA

प्रतिवेदन

कार्य का नाम :- T05 से मिल्की पथ का यातायात पुर्नस्थापन कार्य।

प्राक्कलित राशि :- 6.028 लाख

मद :- FDR

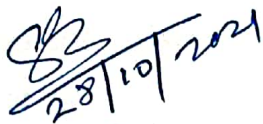
T05 से मिल्की पथ का यातायात पुर्नस्थापन कार्य हेतु प्रस्तुत प्राक्कलन कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमण्डल, नवादा के निर्देशानुसार, कार्य स्थल की आवश्यकता के अनुसार तैयार किया गया है।

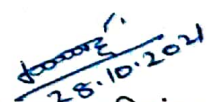
अतिवृष्टि के कारण पथ में एक स्थान पर मिल्की से इचुआ करना के निकट तिलैया नदी के द्वारा कटाव कर दिया गया है। पथ की सुरक्षा को देखते हुए Brick Bat से क्षतिग्रस्त कटाव स्थल को भरने हेतु स्थल की आवश्यकता के अनुरूप यह प्राक्कलन तैयार किया गया है।

अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, गया के 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 लाभार्शं शामिल नहीं किया गया है।

प्राक्कलन की प्रावैधिक एवं प्रशासनिक स्वीकृति अपेक्षित है।

कनीय अभियंता
ग्रामीण कार्य विभाग


सहायक अभियंता
ग्रामीण कार्य विभाग


कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, नवादा

बाढ़ क्षतिग्रस्त पथों का अंतर प्रमंडलीय जांच प्रतिवेदन हेतु प्रपत्र

1	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)	T05 से मिल्की (PMGSY)
4	पथ की लंबाई	2.13 कि०मी०
5	कार्य प्रमंडल का नाम	नवादा
6	प्रखण्ड का नाम	नारदीगंज
7	पथ की स्थिति	पूर्ण
8	पथ अनुरक्षण अवधि में है	हां
9	क्षतिग्रस्त भाग की लंबाई	40 मीटर
10	क्षतिग्रस्त भाग में कराये गये कार्य का विवरणी (लंबाई x चौड़ाई x उंचाई)	Brick Bat 40 x 3.32 m (av.) x (3+0.5)/2 m Sand Bag 7416 लगभग
11	Temporary Restoration में किस-किस सामग्रियों का उपयोग किया गया है, उसका विवरणी	Sand Bag, Brick Bat
12	अभ्युक्ति	यातायात चालु


 AE 22.11.21
 RWD Imangang


 निरीक्षी पदाधिकारी का हस्ताक्षर
 पदनाम सहित

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

SINO	District	Division	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	Block
1	Nawada	Nawada	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.	HISUA
2	Nawada	Nawada	L066-T05 TO MILKI (TRACK57)	PMGSY	Completed	Yes	Yes	2.13	0.04	6	6	Road damaged due to river meandering.	Nardiganj
3	Nawada	Nawada	NARDIGANJ - BIKU	New MR	Completed	No	No	3.95	0.025	5	5	Slab Culvert with approach road Damaged due to heave rain fall.	Nardiganj
4	Nawada	Nawada	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.	Nawada Sadar
5	Nawada	Nawada	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.	Nawada Sadar

GENERAL ABSTRACT OF COST

Name of Road :

T05 To Milki Road.

Circle -

Gaya

District -

Nawada

Division -

Rajauli Nawada

Block -

Nardiganj

S.N.	DESCRIPTION	AMOUNT	
1	BRICK BAT'S	Rs	349865.00
	SAND BAG	Rs	156107.00
	SUB TOTAL	Rs	505972.00
	ADD FOR -		
	G.S.T. @ 12 %	Rs	60717.00
	LABOUR CESS @ 1 %	Rs	5060.00
	SEIGNIORAGE FEE	Rs	31038.00
	GRAND TOTAL	Rs.	602787.00
	Say -	Rs.	602800.00

JE
R.W.D

A.E
R.W.D

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

Provisionally Technically sanctioned for Rs 602800/-
(Six lakh two thousand eight hundred only)

Superintending Engineer
Rural Works Department
Works Circle, Gaya

COST ESTIMATE FOR EMERGENT REPAIR OF ROAD DAMAGED DUE TO FLOOD

T05 To Milki.

Block kbarpi

District -

Nawada

Name of Work

Sl.No	Item's of Work											Qty	Rate	Unit	Amount
1	2											3	4	5	6
1	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.														
	3.00	Mx(	3.00	M+	2.00	M)/2x(	3.00	Mx	0.50	M)2=	13.13	Cum			
	20.00	Mx(	3.00	M+	4.00	M)/2x(	3.00	Mx	0.50	M)2=	122.50	Cum			
	14.00	Mx(	4.00	M+	3.00	M)/2x(	3.00	Mx	0.50	M)2=	85.75	Cum			
	3.00	Mx(	3.00	M+	1.00	M)/2x(	3.00	Mx	0.50	M)2=	10.50	Cum			
											231.88	Cum	231.88	Cum	1,508.82 /Cum Rs. 349865.00
	Sand Bags														
				40	Mx	1.80	Mx	3.50	M=	252.00	Cum				
		252	cum	x		35.315				8899.38	Cft				
	Assuming 1.20 Cft Sand in 1 Bag					8899.38	/	1.20		7416	Bag				
											7416	Bag	7416.00	Nos	21.05 Each Rs. 156107.00
	Total -														505972.00

J.E.
R.W.D.

A.E.
R.W.D.

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

CALCULATION OF SEIGNIORAGE FEE

Name of Road			T05 To Milki		Block -		Akbarpur		Length of Road -		Km
Sl. No.	SDB Sl. No.	MoRD Ref. No	Description	Unit	Quantity	Rate	Amount (In Rs.)	Total Material Required	Material Amount	Seigniorage Fee @ 10 %	
1			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.								
			Unit - Cum								
			Material								
			Brick Bat	Cum	1.20	987.00	1184.40				
			Rate Per Cum = (a) =				1184.40				
			Total Cost =	Cum			1184.40	231.88	274638.67	27463.87	
3			Sand Bags								
			Unit - Cum								
		(a)	Material								
			Fine Sand (Assuming 1.20 cft Sand in 1 bag)	Cft	1.20						
			Hence in 7416 bags	Cft	1.20	7416.00	8899.20				
				Cum	8899.20	35.32	251.99				
			Cost of Sand	Cum	251.99	141.85	35744.78				
			Cost for 7400 nos bags = (a) =				35744.78				
			Total Cost =	Cum			35744.78	7416.000	35744.78	3574.48	
			Seigniorage Fee @ 10 % on Construction Material Cost :-								31038.35

J.E.
R.W.D.

[Signature]
28/10/2021
A.E.
R.W.D.

[Signature]
28.10.2024
Executive Engineer
R.W.D., Works Division
Nawada

316	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	
						20249.54	
		Cost for 100 cum (a+b+c)				202.50	
		Rate per cum = (a+b+c) / 100					

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	
				452645.07	
Cost for 300 cum = (a+b+c)				1508.82	
Rate per cum = (a+b+c) / 300					

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
		L.S.		0.07	
Add for Miscellaneous item's				21.05	
Rate per Bag = (a+b)					

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	day	0.25	351.00	87.75	Sl. - 19
Carpentor Gr-II	day	2.500	292.00	730.00	Sl. - 13
Mazdoor Unskilled (For Pilling)					
	/M	140.000	17.75	2485.00	Sl. - 02 (i)
b) Material				3302.75	
Cost for 140 M				23.59	
Rate Per M (a+b)/140					

Financial Bid Evaluation Sheet

कार्यालयक अधिवृत्त, ग्रामीण कार्य विभाग, कार्य प्रगति, नयाग के पत्रिका-039 अर्जुन दिनांक-10.06.2021 तथा संबंधित संवेदकों से प्राप्त दर बातों के आकृति दिनांक-25.06.2021 को संपन्न निविदा समिति की बैठक की कार्यवाही :-

Name of Division :- Nawada

Name of Circle. -Gaya

NIT No.- RWD/FDR/GAYA/01/2021-22

Date of Tender :-08-06-2021

पत्रिका- 1119 दिनांक- 25.06.2021

S/N	Material/Labour/ Machine	Unit	Sri Sanjay Kumar, At- Mathurapur Kawkol, Nawada Rate quoted by Bidder-1	M/s Kumar Const. At- New Area, Nawada Rate quoted by Bidder-2	Sanjay Kumar, At- Barauli Narhat, Nawada Rate quoted by Bidder-3	Ravikant Kumar, At-Mal Godam Patel Nagar, Nawada Rate quoted by Bidder-4	Remark
1	Empty Cement Bags	Each	3.50	3.50	3.50	3.50	
2	Bamboos (i) 6 M (ii) 8 M	M	(i) 17.75 (ii) 18.95	(i) 17.75 (ii) 18.95	(i) 17.75 (ii) 18.95	(i) 17.75 (ii) 18.95	
3	Brickbats	Cum	1237.39	1237.39	1237.39	1237.39	
4	Local Sand	Cum	342.44	342.44	342.44	342.44	
5	Kiln Rubbish	Cum	971.20	971.20	971.20	971.20	
6	Hume Pipe (NP3) 600mm Dia	M	2385.01	2385.01	2385.01	2385.01	
7	Hume Pipe (NP3) 1000mm Dia	M	5747.82	5747.82	5747.82	5747.82	
8	Boulders	Cum	(i) 1285.17 (ii) 1285.17	(i) 1285.17 (ii) 1285.17	(i) 1285.17 (ii) 1285.17	(i) 1285.17 (ii) 1285.17	
9	Granular Sub base Material Grading-II	Cum	1321.91	1321.91	1321.91	1321.91	
10	Stone Metal Aggregates Gr- II	Cum	1401.23	1401.23	1401.23	1401.23	
11	Stone Metal Aggregates Gr- III	Cum	1357.82	1357.82	1357.82	1357.82	
12	Screening Material Type-B	Cum	1246.50	1246.50	1246.50	1246.50	
13	Unskilled Labour	Per day	292.00	292.00	292.00	292.00	

TO5 to Milki Road



TO5 to Milki Road



8/3
28/10/2021
10:12

28/10/2021
EE

TO5 to Milki Road



TO5 to Milki Road



8/2
28/10/2021
WZ

28-10-2021
EE