

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधुबनी।

Email:-cerwmdadhubani@gmail.com Mob-8986915356

पत्रांक:- 598 अन्क दिनांक:- 12/03/2022

प्रेषक,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मधुबनी।

सेवा में,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दरभंगा-2

विषय:-

वर्ष 2021-22 में आयी बाढ़ के कारण क्षतिग्रस्त पथों में अस्थायी रूप से कराये गये कार्यों का प्राक्कलन जाँच हेतु समर्पित करने के संबंध में।

प्रसंग:-

आपका पत्रांक-263(A) दिनांक-24.02.2022 एवं 269(A) दिनांक-28.02.2022

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में जाले एवं केवटी प्रखंड अंतर्गत वर्ष 2021-22 में आयी बाढ़ के कारण क्षतिग्रस्त पथों में अस्थायी रूप से कराये गये कार्यों का प्राक्कलन जाँच कर आवश्यक कार्रवाई हेतु समर्पित की जाती है।

क्र०	क्षतिग्रस्त पथों का नाम	प्रखंड का नाम	Quantity (M ³)	अभ्युक्ति
1	L026-Muritha to Khajurwara	Jale	69.699	
2	L044-T03 to Katraul	Jale	185.922	
3	Darbhanga Jila antargat-Yogiyara PWD pat se dhariya mor se sahpur bhaya ramauli panihari tariyani meejopur massa ewn dhankaul pat (Madhubani Darbhanga Boader) tak	Jale	102.875	
4	Milki PMGSY Sadak to Muraittha Dakshin tol	Jale	127.693	
5	Naya tola Islampur to Kusumpatti	Jale	100.449	
6	Bachey Yadav house to Serha tola	Jale	7.69	
7	PMGSY Bihari village Mahendra Baitha to Gosaie tola	Jale	25.575	
8	Ahiyari Dakshine Sima to Chanua ramna gachhi	Jale	106.207	
9	Ahiyari South to chanua tol RWD road FDR	Jale	44.87	
10	Ahiyari got to Rahi tola	Jale	104.23	
11	Ahiyari got to Usra Rahi tola tak	Jale	59.87	
12	Brahmpur hat to Sotiya	Jale	178.175	
13	PMGSY Jahangir tola chowk se sahni tola	Jale	54.42	
14	NABARD Hajipur to Hazma tola	Keoti	10.74	
15	PWD road Phulkahi Apan chowk to Birkha Shankarpur chowk	Keoti	86.525	
16	L058-PMGSY Md Dani to Bajitpur (VR58)	Keoti	123.82	
17	L059-Jalwara to Kothia (VR42)	Keoti	327.603-E/W 111.544- Brick Bats 87 Nos- Bamboo 4853 Nos- EC Bags	
18	REO road Pindaruch to Kathiyaghat	Keoti	25.30	
19	PMGSY road se Sukhalapur	Keoti	38.449	

अनु०:-यथोक्त।

विश्वासभाज

कार्यपालक अभियंता

ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधुबनी।

Inspection Report for Flood Damage Work

Date:- 8/3/22

Name of PIUs:- Dambhanga-2

Name of Block/Road:- Jale / To3 to Katraul

(A) For Road:-

1 Damage Location/Chainage:- Ch. 600, 800 to 1200, 1300 to 1700, 2400 to 3200 m.

2 Damage Length:- 351.50 mtr.

3 Nature of Damage:- Road/shoulder damage

4 Details of Restoration Works:-

(i) Material being used in Restoration Works:- Brick bats (385.922 m³)

(ii) Equipment's/Tools being used in Restoration works:-

(iii) Procedure taken up in Restoration Works:- Brick bats filling

(iv) Restored Length:- 351.50 mtr.

(B) For Bridge:-

1 Damage Location/Chainage:-

2 Damage Length:-

3 Nature of Damage:-

4 Details of Restoration Works:-

(i) Material being used in Restoration Works:-

(ii) Equipment's/Tools being used in Restoration works:-

(iii) Procedure taken up in Restoration Works:-

(iv) Restored Length:-

N.F.

work found satisfactory.

Signature of JE/AE/EE

Signature
(Name of Inspection)

JE
8/3/22
AE



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

HEAD-FDR 2021

STATE:-BIHAR

DISTRICT:-Darbhanga

CIRCLE:-Darbhanga

DIVISION:-Darbhanga-2

BLOCK:-Jale

NAME OF WORK:-

Detail Estimate for Restoration under F.D.R 2021
for T03 to Katraul ✓

TOTAL COST FOR MOTORABLE Rs. 10.655 Lacs

8.936 Lacs

AA Copy

T/S - copy

Submitted By:-
Executive Engineer
RWD(W) Division, Darbhanga-2

प्रशासनिक प्रतिवेदन

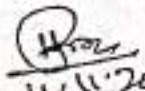
पथ का नाम : T03 to Katraul
पथ की लंबाई : 5.90KM
प्राक्कलित राशि : 10.655 लाख 8.936 लाख
प्रमंडल का नाम : दरभंगा 2
अंचल का नाम : दरभंगा
योजना शीर्ष : 3054
योजना वर्ष : 2021-22

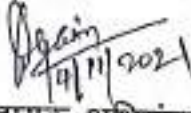
प्रस्तुत प्राक्कलन विभागीय पत्रांक मु0 अ0-4 (मु0) विविध कार्य-23-60/2020-1937 पटना दिनांक 07/07/2021 के आदेशानुसार पथ में कराये गये यातायात पुनर्स्थापना कार्य के निमित्त तैयार की गयी है।

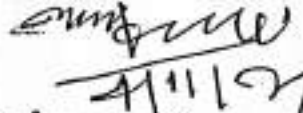
यह प्राक्कलन T03 to Katraul पथ में Bricks Bats से Motorable कराये गये कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयकारी बाढ़/अतिवृष्टि के कारण पथ कई जगहों पर क्षतिग्रस्त हो गया था जिसके कारण आवागमन अवरुद्ध हो गई थी जिसमें अस्थाई यातायात पुनर्स्थापन कार्य किया गया है।

प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू अनुसूचित दर पर, जो संवेदक लाभांश को छोड़कर था, उसे प्राक्धान करते हुए तैयार किया गया है।

अतः किये गये कार्यों के भुगतान हेतु प्राक्कलन की प्रशासनिक स्वीकृति अपेक्षित है।


14.11.2021
कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रसाखा-जाले


14.11.2021
सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल-जाले


14.11.2021
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल- दरभंगा 2

Abstract of Cost

NAME OF SCHEME : FDR 2021
 NAME OF ROAD : T03 to Katraul
 DISTRICT : Darbhanga
 BLOCK : Jale
 DIVISION : Darbhanga-2
 LENGTH OF ROAD : 5.9 km

Sl. No.	DESCRIPTION	AMOUNT
	RESTORATION WORK USING BRICK/BATS	
	TOTAL COST OF WORK (Total quantity 498.74 @ RATE Rs 2004.958)	₹ 1,001,857.68
	ADD GST @ 12 %	₹ 1,08,222.92
	ADD LABOUR CESS @ 1 %	₹ 9,018.58
	ADD SEIGNIORANGE FEE((Total quantity 498.74 x Rs 1032.00)x 10%)	₹ 46,420.78
	TOTAL COST	₹ 10,65,519.95

[Signature]
 4.11.2021
 JE
 RWD
 Jale

[Signature]
 4/11/2021
 AE
 RWD
 Jale

[Signature]
 4/11/21
 EE
 RWD
 Darbhanga-2

कार्यालय अभियंता सारका वि०, कारीपुमएल मधुबनी का
 पत्रिका :- 598 अगुठ दिनांक :- 12/09/2022 के द्वारा समर्पित जाय
 पत्रिका के आधार पर

T/L for Rs 8,93,626=00 (Rupees eight
 less ninety three thousand six hundred
 twenty six) only.

[Signature]
 अधीक्षक अभियंता,
 ग्रामीण कार्य विभाग,
 कार्य अंचल, दरभंगा

Detailed Estimate of Flood Damaged Road

Name of Division:- Darbhanga-2
 Name of Work:- T03 to Katraul
 Name of Scheme:- FDR 2021
 Length(In Km):- 5.9 km

Block:- Jale
 District:- Darbhanga

Sl. No.	SOR Sl. No.	Particulars	Items of Work				Quantity(m³)
			No.	Length(m)	Breadth(average)(m)	Depth(average)(m)	
1	6.61 WRD BIHAR	Chainage 600m	1	2.50	(0.60+0.50)/2	0.30	0.413
			2	15.00	1.00	0.30	95.225
			3	20.00	2.50	0.30	186.150
		Chainage 800 to 1200m	1	5.00	(0.30+1.50)/2	0.15	14.000
			2	20.50	(2.0+1.50)/2	0.15	10.763
			3	2.00	1.50	0.35	1.125
		Chainage 1300 to 1400m	1	1.70	1.50	0.25	0.765
			2	1.00	1.00	0.25	0.250
			3	8.00	1.50	0.30	3.600
		Chainage 1600 to 1700m	1	26.70	(2.0+1.50)/2	0.30	25.044
			2	10.00	1.50	0.30	4.500
			3	26.50	1.50	0.30	11.925
		Chainage 2400 to 2500m	1	2.50	1.50	0.30	1.125
			2	1.40	1.00	0.30	0.420
			3	3.00	1.30	0.30	1.170
		Chainage 2600 to 2700m	1	7.50	1.00	0.30	2.250
			2	30.00	(0.90+0.50)/2	0.75	14.175
			3	22.00	1.50	0.30	10.230

Damage Length 226.700 351.50

Junior Engineer
 RWD
 Jale

Asstt. Engineer
 RWD
 Jale

Verified and
 signed
 (385-922 m3)

Executive Engineer
 RWD
 Darbhanga-2

Total
 449.814
 391.26
 577.248
 11

Sl. No.	SOR Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
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BRICK BATS PITCHING MANUAL MEANS

- 1 6.6.1 WRD
Bihar Labour for laying dry graded Jhama Khola or stone filter under Brick pitching or Boulder Pitching in slope or apron including light ramming etc. all complete as per approved design, specification and Direction of Ed

Unit = Per Cum

Taking output = 2.832 Cum

- a) Labour
Mazdoor (Unskilled) Nos. 3.00 304.00 912.00
b) Over Heads @ 12% on (a) 109.44
1,021.44
Cost for 2.832 cum 360.68
Rate per cum (Rs) 360.68

Total Cost cum

- 1.4 RCD Cost of Haulage Excluding Loading and Unloading
Haulage of materials by Tractor excluding cost of loading, unloading and stacking
Unit = 1.Km

Taking output = 3.60 tonnes load and load 10 km=36.0 Lkm

(i) Surface Road

Speed with Load:15 km/hour

Speed while Returning empty:25km/hour.

- a) Machinery
Tractor 3.6 tonne capacity hour 0.667 612.00 408.20
Time taken for onward haulage with load hour 0.400 612.00 244.80
Time taken for empty return trip. 78.36
b) Over Heads @ 12% on (a) 731.36
Cost for 36 t Km=a+b 20.32
Rate per 1.km=(a+b)/36 20.32
Total Cost 1.Km

(ii) Unsurfaced Graveled Road

Speed with Load:12 km/hour

Speed while Returning empty:20km/hour.

- a) Machinery
Tractor 3.6 tonne capacity hour 0.833 612.00 509.80
Time taken for onward haulage with load hour 0.500 612.00 306.00
Time taken for empty return trip. 97.90
b) Over Heads @ 12% on (a) 913.69
Cost for 36 t Km=a+b 25.38
Rate per 1.km=(a+b)/36 25.38
Total Cost 1.Km

(iii) Katcha Track and Track in River Bed/Nallah Bed and Choe Bed

Speed with Load:10 km/hour

Speed while Returning empty:15km/hour.

- a) Machinery
Tractor 3.6 tonne capacity hour 1.000 612.00 612.00
Time taken for onward haulage with load hour 0.667 612.00 408.20
Time taken for empty return trip. 122.42
b) Over Heads @ 12% on (a) 1,142.63
Cost for 36 t Km=a+b 31.74
Rate per 1.km=(a+b)/36 31.74
Total Cost 1.Km

Sl. No.	SOR Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1.1RCD		Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kanker/Moorum				
		Placing Tractor at Loading point, loading with front loader, dumping turning for return trip, excluding for haulage and return trip				
		Unit = Cum				
		Taking output = 2.25 Cum				
		Time Required for				
		i) Positioning of Tractor at loading point	1 Min			
		ii) Loading by Front end loader 1 Cum Bucket Capacity @ 25 Cum per hour	5 Min			
		iii) Maneuvering, reversing, dumping and turning for return	0 Min			
		iv) Waiting time, unforeseen contingencies etc	0 Min			
		Total	6 Min			
		a) Labour				
		Mate	day	0.03	321.00	9.63
		Mazdoor for loading and unloading	day	0.72	304.00	218.88
		b) Machinery				
		Tractor 3.6 tonne capacity	hour	0.1	612.00	61.20
		Front end-loader 1 cum bucket capacity @25 cum/hour	hour	0.083	1594.00	132.30
		c) Over Heads @ 12% on (a+b)				50.64
		Cost for 2.25 cum=(a+b+c)				472.65
		Rate per cum (Rs)				210.07
		Note:-				
		Unloading will be done manually				
		1 Supplying for Brick Bats (with OH)				
		A. Basic Rate of Brick Bats	Per Cum		1032.00	1032.00
		Add overhead charges		12%		123.84
		Total				1155.84
		Surface Lead	KM	7		
		Katcha Track and Track in River Bed/Nallah Bed and Choe Bed	KM	1		
		Factor(3.6/2.25)	Cum	1.6		
		B. Carriage(with OH)				
		$((1.6 \times 7 \times 20.32) + (1.6 \times 1 \times 31.74) + (210.07))$				488.438
		C. Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1(with OH)				360.68
		Total (A+B+C)				2004.96
		For (7km.p+1kmk)= without (GST+LC+SF)				2004.96
		For (6km.p+1kmk)= without (GST+LC+SF)				1972.45
		For (5km.p+1kmk)= without (GST+LC+SF)				1939.93
		For (4km.p+1kmk)= without (GST+LC+SF)				1907.42
		For (3km.p+1kmk)= without (GST+LC+SF)				1874.91