

FDR 2021-22

पथ का नाम :- L28 Dehatha to Dehatha South Tola (Bagras)
पथ की लम्बाई :- — ?
प्राक्कलित राशि :- Rs 78187 = 00

प्रतिवेदन

माह मई के अंतिम सप्ताह से लेकर माह अक्टूबर के तीसरे सप्ताह तक लगातार भारी वर्षा, परिणामस्वरूप आयी बाढ़ के चलते अधिकांश पथ अंशतः अथवा पूर्णतः जलमग्न हो गये, पथ में कटाव हो गया एवं यातायात बाधित हो गया।

जनहित, कार्यहित एवं आसन्न पंचायत आम चुनाव एवं विभागीय सचिव महोदय के आदेश (पत्रांक— मु0अ0-4(मू0) विविध कार्य-23-60/2020-1937 पटना, दिनांक-07.07.2021) के आलोक में क्षतिग्रस्त पथों को ईट टुकड़ों से भरकर यातायात बहाल किया गया।

जलस्तर कम होने एवं पानी का बहाव बन्द होने के पश्चात् आदेशानुसार किये गये कार्य के अनुसार प्राक्कलन तैयार कर घटनोत्तर स्वीकृति हेतु समर्पित की जा रही है। कार्यहित में प्राक्कलन की स्वीकृति अपेक्षित है।

प्राक्कलन को कार्य अंचल, दरभंगा द्वारा स्वीकृत अद्यतन दर के आधार पर तैयार कर अग्रेतर कार्रवाई हेतु समर्पित की जाती है।

3-11-21
कनीय अभियंता
ग्रा0का0वि0, कार्य प्रशाखा,
अलीनगर
धनश्यामपुर

Shah
3/11/21
सहायक अभियंता
ग्रा0का0वि0 कार्य अवर प्रमंडल,
अलीनगर धनश्यामपुर

8/11/21
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बेनीपुर

Name of work: Detailed Estimate for the FDR to the Road from L28 Dehatha to Dehatha South Tola (Bagra) for the year 2021-22

(B) pro. & billing the bricks - bats including the cost of bricks - bats and labours all complete job as per specification and direction of E/c

$$\begin{aligned}
 \text{At Ch 200m} & 1 \times 15.0 \text{m} \times 3.75 \text{m} \times 0.150 \text{m} = 8.437 \text{m}^3 \\
 \text{At Ch 250m} & 1 \times 8.0 \text{m} \times 3.75 \text{m} \times \left(\frac{0.150 \text{m} + 0.300 \text{m}}{2} \right) = 6.75 \text{m}^3 \quad \checkmark \\
 \text{At Ch 450.0m} & 1 \times 18.0 \text{m} \times 3.30 \times \left(\frac{0.150 \text{m} + 0.450 \text{m}}{2} \right) = 17.82 \text{m}^3 \\
 & \underline{\hspace{10em}} \\
 & 33.007 \text{m}^3
 \end{aligned}$$

Technically sanctioned
for Rs 78,187.00 (Rs)
Savings by eight thousand one hundred
eighty seven only.

@ 2004.96/m³ _____ Rs 66177 = 72

Add 12% GST _____ (+) Rs 7941 = 33

Add 1% LC _____ (+) Rs 661 = 77

Add 10% S.F

33.007 m³ x 1032.00 x 100 _____ (+) Rs 3406 = 32

Rs 78187 = 14

Says 78187 = 00

[Signature]
E.E.

Intending Engineer
Circular, Darbhanga

[Signature]
11/12/21

[Signature]
3-11-21
E.E.

Checked & Verified

[Signature]
11.12.2021
AE

335
11/12/21
E.E.

P.T.O.

1	6.6.1 WRD Bihar	Unloading				
		Labour for laying dry graded Jhama Khoa 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 E/I				
		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
		Cost for 2.832 cum				1,021.44
		Rate per cum (Rs)				360.68
		Total Cost	cum			360.68
	1.4 RCD	Cost of Haulage Excluding Loading and Unloading				
		Haulage of materials by Tractor excluding cost of loading, unloading and stacking				
		Unit = t.Km				
		Taking output = 3.60 tonnes load and lead 10 km=36.0 t.km				
		(i) Surface Road				
		Speed with Load:15 km/hour				
		Speed while Returning empty:25km/hour.				
	a)	Machinery				
		Tractor 3.6 tonne capacity				
		Time taken for onward haulage with load	hour	0.667	612.00	408.20
		Time taken for empty return trip.	hour	0.400	612.00	244.80
	b)	Over Heads @ 12% on (a)				78.36
		Cost for 36 t Km=a+b				731.36
		Rate per t.km=(a+b)/36				20.32
		Total Cost	t.Km			20.32
		(ii) Unsurfaced Graveled Road				
		Speed with Load:12 km/hour				
		Speed while Returning empty:20km/hour.				
	a)	Machinery				
		Tractor 3.6 tonne capacity				
		Time taken for onward haulage with load	hour	0.833	612.00	509.80
		Time taken for empty return trip.	hour	0.500	612.00	306.00
	b)	Over Heads @ 12% on (a)				97.90
		Cost for 36 t Km=a+b				913.69
		Rate per t.km=(a+b)/36				25.38
		Total Cost	t.Km			25.38
		(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				
		Time taken for onward haulage with load	hour	1.000	612.00	612.00
		Time taken for empty return trip.	hour	0.667	612.00	408.20
	b)	Over Heads @ 12% on (a)				122.42
		Cost for 36 t Km=a+b				1,142.63
		Rate per t.km=(a+b)/36				31.74
		Total Cost	t.Km			31.74

BRICK BATS PITCHING ESTIMATION					
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	5 Min			
	Cum per hour				
	iii) Manoeuvring, 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)				80.84
	Cost for 2.25 cum = (a+b+c)				472.85
	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*7*20.32)+(1.6*1*31.74)+(210.07))				
					488.438
	C. Cost of Labour for Packing 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

Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- Ghanchyampur / Long Dohtra to Dohtra South to law

A. For Road

1. Damage Location Chainage:- Ch. 200m, ch. 250m, ch. 450m.

2. Damage Length :- 41.0m

3. Nature of Damage :- Road const.

4. Details of Restoration Works

i. Material being used in Restoration works:- Brick-bats.

ii. Equipment's /Tools being used in Restoration works:- Tractor / JCB

iii. Procedure taken up in Restoration works:- Filling & leveling.

iv. Restored Length:- 41.0m.

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/A

work found satisfactory.

Signature of JE/AE/EE

Signature
(Name of Inspection)