

Name of PIUs:- RWD Works Division, Benipatti

Name of Block/Road:- Kusheshwar Sthan East / To 3rd Sisauna Bridge.

A. For Road

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

B. For Bridge

1. Damage Location Chainage:- 0 Mtr
2. Damage Length :- 56 Mtr.
3. Nature of Damage :- Poths due to Flood.
4. Details of Restoration Works
 - i. Material being used in Restoration works:- Earthwork & Brick Bats.
 - ii. Equipment's / Tools being used in Restoration works:- Tractor & roller
 - iii. Procedure taken up in Restoration works:- Filling & compaction.
 - iv. Restored Length:- 56.00 Mtr

Restored Qty :- 352.80 M³ E/W
37.80 " Brick Bats
Work found satisfactory

Signature of JE/AT/EE

Signature

(Name of Inspection)

20/12/21
JE Benipatti

प्रशासनिक प्रतिवेदन

पथ का नाम : Temporary Restriction of T03 to Sissau Bridge
पथ की लंबाई :
प्राक्कलित राशि : 20475420
प्रमंडल का नाम : Biraal
अंचल का नाम : Darbhanga
योजना शीर्ष : 3054
योजना वर्ष : 2021-22

दिनांक

प्रस्तुत प्राक्कलन विभागीय पत्रांक के आदेशानुसार पथ में कराये गये यातायात पुनर्स्थापना कार्य के निमित्त तैयार की गयी है।

यह प्राक्कलन T03 to Sissau Bridge में back back रूट सिद्धि कराई कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयंकारी 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 लामांश को छोड़कर था, उसे प्रावधान करते हुए तैयार किया गया है।

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


05/11/21
कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रसाखा-


05/11/21
सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल -


कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल-

Name of work - Temporary Restoration of T03 to Pissana Bridge

Name of Block - Kusheshwar Asthan East

District - Darbhanga

1. Construction of embankment do-do all

$$\text{Complete job (Qty - } \frac{588.07^3}{352.80} \times 160.72) = 56702.016$$

2. Supplying Brick bats do-do all complete

$$\text{Job (Qty - } \frac{50404^3}{37.80} \times 2004.9674) = 15787.48$$

$$\text{Add 12\% for GST} = 23466.20 \rightarrow 15898.74$$

$$\text{Add 1\% for LC} = 1356.20 \rightarrow 1324.89$$

$$\text{Add SF for Brick bats (} \frac{20.8}{50.40} \times 1032 \times 10\%) = 5201.20 \rightarrow 3300.96$$

$$\text{Add SF for Sand (} \frac{588}{352.80} \times 34.81 \times 10\%) = 2047.20 \rightarrow 1228.09$$

$$204757.20 \rightarrow 154842.19$$

Say Rs 154842.00

Handwritten signature
05/11/21

JE

Kusheshwar Asthan
East

Handwritten signature
05/11/21

AE

Kusheshwar Asthan
East

Handwritten signature
EE
Bisaut

कार्यपालक अभियंता बेनीपट्टी के जांच फांम 1056/बेनीपट्टी/2-6-22 के आधार पर ~~154842~~ technically sanctioned for Rs 154,842.00 (Rupee one lac fifty four thousand eight hundred forty two) only)

Handwritten signature
6/6/22

Superintending Engineer
D Work Circle, Darbhanga

Abhinav
06/06/22

Detailed estimate of Temporary Restoration of T03 to Sisauna Bridge.

- (i) Construction of embankment with material
obtained from borrow pits do-do all complete
job.

At chainage L B H = Qty
 ① $56.04 \times \left(\frac{8+6}{2}\right) \times \frac{1.50}{2} = \frac{588.04}{(0.90)} = 352.80 M^3$

- (ii) Supplying Bricks bats with carriage by
tractor loading with front end do-do all complete job.

Ch: L B D
 ① $56.0 \times 3.0 \times \frac{0.30+0.15}{2} = \frac{50.40}{2} = 37.80 M^3$

Final
08/11/24

JE

Kusheshwar Asthan East

cl/s
40m
05/11/24

AE

Kusheshwar
Asthan East

Brand
Brand

Damaged length - 56.04

Restored Quantity E/W - 352.80 M³

B. Bats - 37.80 M³

Verified and found correct.

Final
20/11/24
JE

Final

27/11/24
2.6.22
EE

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

DR Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
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
	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 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