

Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- Benipur) Khazi Tola to Mushari Tola

A. For Road

1. Damage Location Chainage:- Ch 0.00 to 1000 Ch 1.400 km to Ch 1.700 km
2. Damage Length :- 82.4 m
3. Nature of Damage :- Road crust & flank
4. Details of Restoration Works
 - i. Material being used in Restoration works:- Brick ball & earth
 - ii. Equipment's /Tools being used in Restoration works:- tractor
 - iii. Procedure taken up in Restoration works:- manually
 - iv. Restored Length:- 82.40 km

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:-

Signature of JE/ A/E/EE



Signature 14/12/21
(Name of Inspection)

तकनीकी प्रतिवेदन

पथ का नाम :- रवरही टीला से मुशहरी टीला
 पथ की लंबाई :- 2.20 कि०मी०
 प्राक्कलित राशि :- रु. 4,40,479-00
 प्रमण्डल का नाम :- छिनीपुर
 अंचल का नाम :- दशभंग
 योजना शीर्ष :-
 योजना वर्ष :- 2021-22

प्रस्तुत प्राक्कलन विभागीय पत्रांक- मु.अ. - 4-4275 पटना दिनांक-22/10/21 के आदेशानुसार पथ में कराये गये यातायात पुर्नस्थापना कार्य के निमित्त तैयार की गयी है।

यह प्राक्कलन रवरही टीला से मुशहरी टीला कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयंकार बाढ़/अतिवृष्टि के कारण पथ कई जगहों पर क्षतिग्रस्त हो गया था। जिसके कारण आवागमन अवरुद्ध हो गई थी जिसमें अस्थाई यातायात पुर्नस्थापन कार्य किया गया है।

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

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


 कनीय अभियंता,
 ग्रामीण कार्य विभाग,
 कार्य प्रशाखा बेनीपुर


 सहायक अभियंता,
 ग्रामीण कार्य विभाग,
 कार्य अवर प्रमण्डल बेनीपुर


 कार्यपालक अभियंता
 ग्रामीण कार्य विभाग,
 कार्य प्रमण्डल बेनीपुर।

Abstract of cost.

Name of Road:- Kharahi Tola to Mushahari Tola

Sl No	Particulars of Item	Quantity (In M ³)	Rate	Amount
1	Providing and laying Filling in ditches with brick bats including loading, unloading and light ramming all complete job. As per specification & Direction of E/I	185.95	2004.96	372822
			Total =	372822
	Add 12% GST		=	44739
	1% L.C		=	3728
	(S.Fee)- B/Bat(185.95*1032* 0.1)=19190		=	19190
			Grand Total=	440479

Say Rupees 440480=00

[Signature]
A.E
RWD, Benipur

[Signature]
A.E 11/11/24
RWD, Benipur

E.E
RWD, Benipur

Technical Sanctioned for RS 440480=00 (Rupees Four Lacs Forty Thousand Four Hundred Eighty) only

[Signature]
Superintending Engineer
RWD, Works Circle, Darbhanga
[Signature]

Flood Estimate

Name of Road:- Kharahi Tola to Mushahari Tola

Item No.1	Providing and laying Filling in ditches with brick bats including loading, unloading and light ramming all complete job. As per specification & Direction of E/I				
	Chainage (In M)	Length (In M)	Average Width (In M)	Average Height (In M)	Qty in cum
	0m to 100m	8.50	3.30	$(0.4+0.6)/2$	14.02
		5.50	3.80	$(0.3+0.5)/2$	8.36
		5.50	3.20	$(0.3+0.4+0.6)/3$	7.63
		4.30	3.70	$(0.2+0.3+0.4)/3$	4.77
		1.00	2.00	0.20	0.40
	400m to 500m	10.50	3.40	$(0.2+0.4+0.6)/3$	14.28
	1400m to 1500m	13.50	$(3+3.8)/2$	$(0.6+0.9+1)/3$	38.25
		4.60	$(1+1.2)/2$	$(0.6+0.9+1)/3$	4.22
	1600m to 1700m	9.00	$(1+2.5)/2$	$(0.6+0.7)/2$	10.24
		20.00	$(5+4+5.5)/3$	$(0.9+0.7+1)/3$	83.78
			Total =		185.95

[Signature]
J.E
RWD, Benipur

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A.E
RWD, Benipur

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E.E
RWD, Benipur

Checked and Verified

[Signature]
13-12-2024
A.E

[Signature]
13/12/24
B-G

Sl. No.		Description of work		Unit	Quantity	Rate	Amount
1	6.6.1 WRD Bihar	BRICK BATS PITCHING MANUAL TO					
		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	
	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	
		(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	
		(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	

Sl. No.	SOR Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount
	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*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