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Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- Benipur / Harizan darwaza Bishwanathpur to South Tol
(Etharway)

A. For Road

1. Damage Location Chainage:- 2.00 to 1.900 km
2. Damage Length :- 38m
3. Nature of Damage :- Road crust and flank
4. Details of Restoration Works
 - i. Material being used in Restoration works:- Brick Bats
 - ii. Equipment's /Tools being used in Restoration works:- Tractor
 - iii. Procedure taken up in Restoration works:- manually filling
 - iv. Restored Length:- 38m

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:-
- H/A

work found satisfactory

Signature of JE/AE/EE
14/12/21

Signature
(Name of Inspection)
14/12/21
ER

तकनीकी प्रतिवेदन

पथ का नाम :-	एजिज दरवाजा विश्वनाथपुर एंड दक्षिण रोली (इष्टव)
पथ की लंबाई :-	1.60 कि०मी०
प्राक्कलित राशि :-	Rs. 94,421/-
प्रमण्डल का नाम :-	बेनीपुर
अंचल का नाम :-	दरभंगा
योजना शीर्ष :-	
योजना वर्ष :-	2021-22

प्रस्तुत प्राक्कलन विभागीय पत्रांक-मु.अ.०-५-५२५५५ दिनांक-22/10/21 के आदेशानुसार पथ में कराये गये यातायात पुर्नस्थापना कार्य के निमित्त तैयार की गयी है।

यह प्राक्कलन एजिज दरवाजा विश्वनाथपुर एंड दक्षिण रोली (इष्टव) 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 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।


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:-HARIJAN DARWAJA BISHWANATHPUR to DAKSHIN TOLI
(ITHARWA)**

l 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	39.86	2004.96	79918
			Total =	79918
	Add 12% GST		=	9590
	1% L.C		=	799
	S.Fee (39.86*1032*0.1)= 4114		=	4114
			Grand Total=	94421

Say Rupees 94,420

[Signature]
J.E
RWD,Benipur

[Signature]
A.E
RWD,Benipur

[Signature]
E.E
RWD,Benipur

Technically sanctioned for RS = 94,420=00 (Rupees Ninety Four Thousand Four Hundred Twenty)

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Superintending Engineer
RWD, Works Circle, Darbhanga
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Biod Estimate

Location of Road: HALDAN DARWAJA BISHWANATHPUR to DAKSHIN TOLI (BISHARWA)

Providing and laying Filling in ditches with brick bats including loading, unloading and light
transporting all complete job. As per specification & Direction of E/I

S.No	Distance (in M)	Length (in M)	Average Width (in M)	Average Height (in M)	Qty in M ³
	0.00	6.00	$(2.5+2.6)/2$	$(0.5+0.35)/2$	6.50
		2.00	$(2.8+3)/2$	$(0.2+0.3)/2$	1.45
		11.00	$(2.8+2)/2$	$(0.5+0.5)/2$	11.50
		3.00	$(1.2+1.4)/2$	$(0.2+0.25)/2$	0.88
		2.50	$(1+1.2)/2$	$(0.15+0.25)/2$	0.55
		4.50	$(2.8+3.2)/2$	$(0.45+0.69)/2$	7.49
		2.00	$(2.7+3.3)/2$	$(0.2+0.25)/2$	1.35
		7.00	$(2.5+2.8)/2$	$(0.5+0.6)/2$	10.20
		Total =			39.86

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 AE
 RWD, Benipur

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 EE
 RWD, Benipur

Checked and verified

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 12-12-2024
 2

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 13/12/24
 EE

BRICK BATS PITCHING MANUAL

6.6.1
WRD
Bihar

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

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 t.km=(a+b)/36

(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 t.km=(a+b)/36

(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 t.km=(a+b)/36

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	day	0.03	321.00	9.63
		Mate	day	0.72	304.00	218.88
		Mazdoor for loading and unloading				
	b)	Machinery	hour	0.1	612.00	61.20
		Tractor 3.6 tonne capacity	hour	0.083	1594.00	132.30
		Front end-loader 1 cum bucket capacity @25 cum/hour				50.64
	c)	Over Heads @ 12% on (a+b)				472.65
		Cost for 2.25 cum = (a+b+c)				210.07
		Rate per cum (Rs)				
	Note:-	Unloading will be done manually				
	1	Supplying for Brick Bats (with OH)	Per Cum		1032.00	1032.00
	A.	Basic Rate of Brick Bats		12%		123.84
		Add overhead charges				1155.84
		Total				
		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)				488.438
		((1.6*7*20.32)+(1.6*1*31.74)+(210.07))				
	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