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Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- Benipur / Panahgachhiya chowk to Rariyam mushari

A. For Road

1. Damage Location Chainage:- Ch. 0.200 to 0.700 Km.
2. Damage Length :- 93.5 m
3. Nature of Damage :- Flank and Road crust
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:- manual
 - iv. Restored Length:- 93.5 m

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:- "work found satisfactory"

N/A

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

Signature
14/12/21
(Name of Inspection)

तकनीकी प्रतिवेदन

पथ का नाम	:- पचगढ़िया चौक से रदियाम नुशहरी
पथ की लंबाई	:- 0.800 कि०मी०
प्राक्कलित राशि	:- Rs. 1,31,397.00
प्रमण्डल का नाम	:- बेनीपुर
अंचल का नाम	:- दरभंगा
योजना शीर्ष	:-
योजना वर्ष	:- 2021-22

प्रस्तुत प्राक्कलन विभागीय पत्रांक-मु.अ.०-५-५२७५५२१॥ दिनांक-२२-१०-२१ के आदेशानुसार पथ में कराये गये यातायात पुर्नस्थापना कार्य के निमित्त तैयार की गयी है।

यह प्राक्कलन पचगढ़िया चौक से जगहो नगर कार्य के लिए तैयार की गई है। वर्ष २०२१ में आयी प्रलयंकार बाढ़/अतिवृष्टि के कारण पथ कई जगहो 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:-PANCHGACHIYA CHOWK to RARIYAM MUSHARI

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	55.47	2004.96	111215
			Total =	111215
	Add 12% GST		=	13346
	1% L.C		=	1112
	S.Fee (55.47*1032*0.1)= 5424		=	5724
			Grand Total=	131397


Say Rs. 1,31,400 = 00


J.E.
RWD, Benipur


A.E. 11/11/24
RWD, Benipur


E.E.
RWD, Benipur

*Technically Sanctioned for Rs = 1,31,400 = 00 (Rupees) (one Lakh
Thirty one Thousand four Hundred) only*


Superintending Engineer
RWD, Works Circle, Darbhanga
4/10/22

Flood Estimate

Name of Road:-PANCHGACHIYA CHOWK to RARIYAM MUSHARI


m 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					
S.No	Chainage (In M)	Length (In M)	Average Width (In M)	Average Height (In M)	Qty in M ³
	1st km	12.00	(0.3+0.7)/2	(0.6+0.8)/2	4.20
		6.00	(0.5+0.9+1)/3	(0.6+1)/2	3.84
		10.00	(0.7+1.5)/2	(0.7+1.2)/2	10.45
		4.00	(0.2+0.3)/2	(0.2+0.4)/2	0.30
		1.50	(1+1.5)/2	(0.4+0.6)/2	0.94
		2.00	(0.6+1)/2	(0.2+0.3)/2	0.40
		2.50	(0.4+0.6)/2	(0.2+0.25)/2	0.28
		5.50	(0.8+1.4)/2	(0.6+0.8)/2	4.24
		12.00	(0.8+2)/2	(0.6+0.9+1.2)/3	15.12
		2.00	(0.6+1)/2	(0.6+0.9)/2	1.20
		2.00	(0.3+0.4)/2	(0.1+0.2)/2	0.10
		8.00	(0.7+1.1)/2	(0.6+0.9+1)/3	6.00
		12.00	(0.4+0.8)/2	(0.3+0.6)/2	3.24
		7.00	(0.4+0.6)/2	(0.25+0.3)/2	0.96
		7.00	(0.5+1)/2	(0.6+1)/2	4.20
Total =					55.47


J.E.
RWD, Benipur


A.E.
RWD, Benipur


E.E.
RWD, Benipur

Checked and verified


13-12-2024
A.E.

3/3/24
13/12/24
BC

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount
1.6.1	BRICK BATS PITCHING MANUAL MEANS				
NRD	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				
Bihar	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

OR Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount
1.RCD	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