

Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- Benipur | Katwara Pibra pul se Harizan toli Katwara

A. For Road

1. Damage Location Chainage:- Katw ch. 0.00 to ch 1.000 Km
2. Damage Length :- 132 m
3. Nature of Damage :- Road crust & flank
4. Details of Restoration Works
 - i. Material being used in Restoration works:- Brick bat, Earth
 - ii. Equipment's /Tools being used in Restoration works:- Tractor
 - iii. Procedure taken up in Restoration works:- manually filling
 - iv. Restored Length:- 132 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:-

Signature of JE/AE/EE


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

तकनीकी प्रतिवेदन

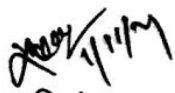
पथ का नाम	:- कटवासा पिपरा पुल से हरिजन टैली कटवासा
पथ की लंबाई	:- 1.265 कि०मी०
प्राक्कलित राशि	:- Rs. 4,17,147 = 00
प्रमण्डल का नाम	:- बेनीपुर
अंचल का नाम	:- दरभंगा
योजना शीर्ष	:-
योजना वर्ष	:- 2021-22

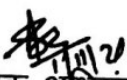
प्रस्तुत प्राक्कलन विभागीय पत्रांक-मु.अ.-4-4275 पृष्ठ 1 दिनांक-22.10.21 के आदेशानुसार पथ में कराये गये यातायात पुर्नस्थापना कार्य के निमित्त तैयार की गयी है।

यह प्राक्कलन कटवासा पिपरा पुल से हरिजन टैली कटवासा 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:- KATWASA PIPRA PUL to HARIJAN TOLI(KATWASA)

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	176.10	2004.96	353073
		Total	=	353073
	Add 12% GST		=	42369
	1% L.C		=	3531
	(S.Fee)- B/Bat(176.10*1032* 0.1)=18174		=	18174
		Grand Total=		417147

Say Rupees 417150=00

[Signature]
J.E
RWD, Benipur

[Signature]
A.E
RWD, Benipur

[Signature]
E.E
RWD, Benipur

Checked & verified

[Signature]
12-12-2021
RWD

[Signature]
GG

Technically sanctioned for RS 417150=00 Rupees four Lacs
Seventeen Thousand one Hundred Fifty only

[Signature]
Superintending Engineer
RWD, Works Circle, Darbhanga

Flood Estimate

Name of Road:- KATWASA PIPRA PUL to HARIJAN TOLI(KATWASA)

em 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
	In 1st km	15.00	(4+5)/2	(.6+.9+.4)/3	42.75
		27.00	(4+5)/2	(.6+.7+.8)/3	85.05
		75.00	(.6+1)2/2	(.6+.8)/2	42.00
		15.00	(.6+.8)/82	(.5+.7)/2	6.30
			Total =		176.10


J.E

RWD,Benipur


A.E

RWD,Benipur


E.E

RWD, Benipur

SOP No.		BRICK PITCHING MANUAL METHOD			
6.6.1	WRD Bihar	Labour for laying dry graded Jhama Khos 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
		Time taken for empty return trip.	hour	0.400	612.00
					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			
		Time taken for onward haulage with load	hour	0.833	612.00
		Time taken for empty return trip.	hour	0.500	612.00
					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			
		Time taken for onward haulage with load	hour	1.000	612.00
		Time taken for empty return trip.	hour	0.667	612.00
					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			

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