

Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- Gdarsyahangpur sisdouni to phunkhul.

A. For Road

1. Damage Location Chainage:- ch. 0 to 3200m.
2. Damage Length :- 86.0m
3. Nature of Damage :- Road cut.
4. Details of Restoration Works
 - i. Material being used in Restoration works:- Brick-bats.
 - ii. Equipment's /Tools being used in Restoration works:- Tractor & JCB
 - iii. Procedure taken up in Restoration works:- Filling & leveling.
 - iv. Restored Length:- 86.0m.

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)

FDR 2021-22

पथ का नाम :- Seishauri to punhad

पथ की लम्बाई :-

प्राक्कलित राशि :- Rs 26916=00

प्रतिवेदन

माह मई के अंतिम सप्ताह से लेकर माह अक्टूबर के तीसरे सप्ताह तक लगातार भारी वर्षा, परिणामस्वरूप आयी बाढ़ के चलते अधिकांश पथ अंशतः अथवा पूर्णतः जलमग्न हो गये, पथ में कटाव हो गया एवं यातायात बाधित हो गया।

जनहित, कार्यहित एवं आसन्न पंचायत आम चुनाव एवं विभागीय सचिव महोदय के आदेश (पत्रांक— मु0अ0-4(मू0) विविध कार्य-23-60/2020-1937 पटना, दिनांक-07.07.2021) के आलोक में क्षतिग्रस्त पथों को ईंट टुकड़ों से भरकर यातायात बहाल किया गया।

जलस्तर कम होने एवं पानी का बहाव बन्द होने के पश्चात् आदेशानुसार किये गये कार्य के अनुसार प्राक्कलन तैयार कर घटनोत्तर स्वीकृति हेतु समर्पित की जा रही है। कार्यहित में प्राक्कलन की स्वीकृति अपेक्षित है।

प्राक्कलन को कार्य अंचल, दरभंगा द्वारा स्वीकृत अद्यतन दर के आधार पर तैयार कर अग्रेतर कार्रवाई हेतु समर्पित की जाती है।

3-11-21
कनीय अभियंता
ग्रा0का0वि0, कार्य प्रशाखा,
अलीगढ़
एन2यामयु

Chase
3/11/21
सहायक अभियंता
ग्रा0का0वि0 कार्य अवर प्रमंडल,
अलीगढ़
एन2यामयु

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बेनीपुर

Name of the work: Detailed estimate for the F.O.R to the Road from Sisaurani to Punhad for the year 2021-22

(A) Pro & billing the brick-kats including the cost of brickkats and labour all complete job as per specification and direction of E/c

Ch: 0 -
3.200km

Checked & Verified

10/12-2021
HE

335
E/c

$$1 \times 5.0 \text{ m} \times 2.00 \text{ m} \times 0.300 \text{ m} = 3.000 \text{ m}^3$$

$$10 \text{ Nos} \times 2.0 \text{ m} \times 1.5 \text{ m} \times 1.50 \text{ m} = 4.50 \text{ m}^3$$

$$10 \text{ Nos} \times 1.50 \text{ m} \times 1.00 \text{ m} \times 0.075 \text{ m} = 1.125 \text{ m}^3$$

$$1 \times 5.00 \text{ m} \times 0.900 \text{ m} \times 0.075 \text{ m} = 0.3375 \text{ m}^3$$

$$1 \times 1.5 \text{ m} \times 1.50 \text{ m} \times 0.075 \text{ m} = 0.16875 \text{ m}^3$$

$$1 \times 5.00 \text{ m} \times 0.300 \text{ m} \times 0.075 \text{ m} = 0.3375 \text{ m}^3$$

$$1 \times 5.00 \text{ m} \times 0.600 \text{ m} \times 0.075 \text{ m} = 0.2250 \text{ m}^3$$

$$1 \times 6.50 \text{ m} \times 0.900 \text{ m} \times 0.075 \text{ m} = 0.4387 \text{ m}^3$$

$$1 \times 15.0 \text{ m} \times 0.600 \text{ m} \times 0.075 \text{ m} = 0.6750 \text{ m}^3$$

$$1 \times 2.0 \text{ m} \times 1.00 \text{ m} \times 0.075 \text{ m} = 0.1500 \text{ m}^3$$

$$1 \times 6.00 \text{ m} \times 0.900 \text{ m} \times 0.075 \text{ m} = 0.4050 \text{ m}^3$$

$$11.3624 \text{ m}^3$$

@ 2004.96/m³ ————— Rs 22781 = 15

Add 12% GST ————— (+) Rs 2733 = 74

Add 1% LC ————— (+) Rs 227 = 81

Add 10% S.F

$$11.3624 \text{ m}^2 \times 1032.00 \times 1.10 \text{ --- } (+) \text{ Rs } 1172 = 59$$

$$\text{Rs } 26915 = 29$$

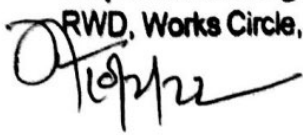
$$\text{Say Rs } 26916 = 00$$

3-11-21
J.E

Charvi
3/11/21
A.E

8/11/21
E.E.

Technically. Sanctioned for Rs 26916.00
[Rupees twenty six thousand nine hundred
sixteen. Only.]


Superintending Engineer
RWD, Works Circle, Darbhanga


Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	BRICK BATS PITCHING MANUAL MEANS				
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
	Total Cost	cum			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 = 3.50 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

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
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)				
	$((1.6 \times 7 \times 20.32) + (1.6 \times 1 \times 31.74) + (210.07))$				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