

Inspection Report for Flood Damaged Work in the year 2021-22

Date of Inspection

:- 20/12/21

Name Of PIU:- RWD, Works Division, Benipatti

Name of Block

:- Kureshwar sthan East

Name of Road

:- T02 Tideshwar Dih to Karain

For Road

:-

1. Damage Location/ Chainage :- 0 - 870 mtr

2. Damage Length :- 270 meter

3. Nature of Damage :- Breach due to Flood.

4. Details of Restoration Works :-

i. Material being used in Restoration Works :- Earthwork

ii. Equipment's/ Tools being used in Restoration Works :- Tractor, Roller

iii. Procedure taken up in Restoration Works :- Filling & compaction.

iv. Restored Length 270 mtr, Restored Qty :- 1704.15 M³

Remarks :- work found satisfactory

Signature of E.E

Signature of JE/AE

20/12/21
JE

AE

20/12/21
EE

ABSTRACT OF COST

Road Name - T02 Talleshwardin To Karain

Block Name - Kusheshwar Asthan East

Division - Biraal

1. Construction of Embankment

Add 12% for CST

Add 4% for LC

Add SF (1653.75
1704.15 x 34.81 x 10%.)

269065.00

277265.00

32288.00

33272.00

2691.00

2773.00

5757.00

5732.00

319242.00

309801.00

[Signature]
08/11/21

JE

Kusheshwar Asthan
East

[Signature]
08/11/21

AE

Kusheshwar Asthan
East

[Signature]
08/11/21

Biraal

Cost factored T/S accorded for Rs 319242.00
in words three lakh nineteen thousand two hundred
forty two only in reference to letter no 2866
dated 28/12/21 of EE RWD Benipatti.

[Signature]
15/12/21
Superintending Engineer
RWD Works Circle, Darbhanga

Detailed Estimate of Temporary Restoration of Road from T02 Tilleshwardih to Karsin

1. Construction of embankment with material obtained from borrow pits with a lift upto 1.5m, transporting do-do all complete job.

Chainage	Length	Breadth	Height	Qty
0 to 60	60.0	3.0 ✓	0.900 ✓ =	162.0 m ³
150 to 210.7	60.0	2.75 ✓	1.50 ✓ =	337.50
260 to 350	90.0	2.75 ✓	1.82 ✓ =	614.25
810 to 870	60.0	4.10 ✓	2.40 ✓ =	590.40 540.0
	<u>270.0 m</u>	<u>3.75</u> ✓		<u>1704.15 m³</u>
		4.10		1653.75
@ 162 = 70 7/4				277265 = 0
				32288 = 0
Add 12% for GST				332722 = 0
Add 1% for GC				2773 = 0
				5757 = 0
Add SF (1704.15 × 34.81 × 10%)				5932 = 0
				<u>3,19,242 = 0</u>
				309801 = 0
				309801 = 0

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25/11/24

JE
Kusheshwar Asthan
East

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05/11/24

AE
Kusheshwar Asthan
East

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EE
Biraul

R Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	BRICK BATS PITCHING MANUAL MEANS				
6.1 RD har	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
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
	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
CD	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				
	ii) Loading by Front end loader 1 Cum Bucket Capacity @ 25	1 Min			
	Cum per hour	5 Min			
	iii) Maneuvering, reversing, dumping and turning for return				
	iv) Waiting time, unforeseen contingencies etc	0 Min			
	Total	0 Min			
	a) Labour	6 Min			
	Mate				
	Mazdoor for loading and unloading	day	0.03	321.00	9.63
	b) Machinery	day	0.72	304.00	218.88
	Tractor 3.6 tonne capacity				
	Front end-loader 1 cum bucket capacity @25 cum/hour	hour	0.1	612.00	61.20
	c) Over Heads @ 12% on (a+b)	hour	0.083	1594.00	132.30
	Cost for 2.25 cum=(a+b+c)				50.64
	Rate per cum (Rs)				472.65
	Unloading will be done manually				210.07
	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