

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chapra

DIVISION – R.W.D Works Division, Marhaura

Name of Work - Motrable of road from House of Madan Rai to House of Jailal Prasad

Block - Amnaur

595131
451911
Estimated Cost – Rs-595131.00

2020-21

Inspection Report For Flood Damage Work

Date:

1. Name of PIU - E.C.R.O.D (W) Marhaura.
2. Name of Block/Road - Amnour - N.H. 16 of 201 / from House of
Maden Ra - to house of Jale Lal Pal.

A. For Road

1. Damage Location/ Chainage :- 0.005 km.
2. Damage Length :- 0.105 km
3. Nature of Damage :- cutting of Road.
4. Details of Restoration :-

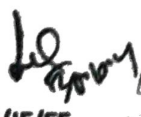
- I. Materials being used in restoration : Stone Bats, Local sand.
- II. Equipment/Tools being used in restoration works : Roller.
- III. Procedure taken up in Restoration works : 2-1/2, fully Powering Machine.
- IV. Restored Length : 0.059 km.

B. For Bridge

1. Damage Location/ Chainage :-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration :-

- I. Materials being used in restoration :
- II. Equipment/Tools being used in restoration works :
- III. Procedure taken up in Restoration works :
- IV. Restored Length :


Signature of AE/IE/EE


Executive Engineer
Road Works Department
Work Division, Marhaura

'S'


Signature

(Name of Inspector)

ABSTRACT OF COST

Name of Work -

Mottrable of road from House of Madan Rai to House of Jai Lal Prasad

Block - Amnaur

S.No	Particulars	Amount (In Rs.)
1	Cost of Mottrable Work	595131.00
	Total Cost	595131.00


J.E.

RWD

Amnaur


A.E.

RWD

Amnaur

E.E.

RWD

Marhaura

T/S. for Rs. 5,95,131/-
(Rough for ladders. Study for the road
one hundred thirty one) only.


15/01/22
S.B.
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chhara

Detailed Estimate

Name Of Road: Motrable of Road From House of Madari Rai to House of Jai Lal Prasad

Sl.No.	Item	No	Length	Width	Avg.H/D	Qty	Unit	Rate	Amount
1	Providing laying and spreading brick bats in road ditches all complete as per approved design, specification and direction of E/I.	1	110	1.05	1.1	127.05			
		1	95	1.1	1.2	125.40			
		Total				252.45	Cum	2300.58	580781.43.00
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	110	1.05	0.10	11.55			
		1	95	1.1	0.10	10.45			
		Total				22.00	Cum	632.22	14350.00
TOTAL									595131.00

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30/10/21

J.E
RWD
Amnaur

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30.10.21

A.E
RWD
Amnaur

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E.E
RWD
Marhaura

1.1 RCD	Loading and Unloading of Stone Boulder / Stoneaggregate / sand / kanker / Moorum				
	Placing Tractor at loading point, loading with frontloader, dumping, turnig for return trip, excluding for haulage and return trip.				
	Unit = cum				
	Taking output = 2.25 cum				
	Time required for				
	i) Positioning of Tracter at loading Point		1 Min		
	ii) Loading by front end loader 1cum bucket @ capacity 25 cum per hour		5 Min		
	iii) Maneuvering, reverse, dumping and turnig for return		0 Min		
	iv) Wating time, unforeseen Contingencies etc.		0 Min		
	Total		6 Min		
	a) Labour				
	Mate	Day	0.03	316.00	9.48
	Mazdoor for loading and unloading	Day	0.72	304.00	218.88
	b) Machinery				
	Tractor 3.60 tonnes capacity	hour	0.10	652.00	65.20
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	#####	265.68
	c) Overhead charges @ 0.06 on (a+b)				33.55
	Cost for 2.25 cum = a+b+c+d				592.80
	Cost for 2.25 cum = (a+b+c+d)/2.25				263.47
Note-	Unloading will be done manually.				
1	Suplying for Brick Bats (With OH)				
A	Basic Rate of Brick Bats	Per Cum	#####		1006.00
	Add overhead Charges 6%		0.06		60.36
	Total-				1066.36
	Surface Lead	km	7.00		
	Unsurface Lead	km	1.00		
	Factor(3.6/2.25)	cum	1.60		
B	Carriage (with OH)				
	(1.6 x 7 x 20.48) + (1.6 x 1 x 25.59) + 263.47				533.83
C	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				341.36
	Total (A+B+C)-				1941.55
	Add 1% Labour Cess (A+B+C)				19.42
	Add 12% GST(A+B+C)				232.99
	Add 10% cost of Material for seigniorage Fee		1.00	106.64	106.64
	Total Cost per Cum		Rs:-		2300.58

Analysis for Carriage by Road & Rail
Estimate for Repair of Road Breaches (Damage By Flood) For Motorable Work in Bhushana To Abhiman

Block :- Amnaur

Saran

District:-

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km				Total				
				Pucka / Surface		Katcha						
3	Local Sand	Cum	Local	$\frac{8.00}{4.99}$	$\times 10.10$	$\times 2.00 \text{ Km}$	$= \text{Rs } 32.38$	$\frac{8.00}{4.99}$	$\times 24.30$	$\times 1.00 \text{ Km}$	$= \text{Rs } 38.96$	113.67

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 JE
 RWD

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 AE
 RWD

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 EE
 RWD

Analysis of Rates (FORMAT F8)

			#REF!	CUM		#REF!
11.2	600	Filling and Spreading Local Sand Over Brick Bats As Per Drawing and Technical Specification Clause 305.3.9				
	1	Fine Sand Filling				
		Unit = cum				
	a)	Labour	day	0.01	310.00	3.10
		Mate	day	0.30	304.00	91.20
		Mazdoor Unskilled				
	b)	Material	day	1.20	141.75	170.10
		Sand assuming 20% voids				15.86
	c)	Overheads @6 % on (a+b)				28.03
	d)	Contractor's profit @ 10% on (a+b+c)				308.29
		Rate per cum = a+b+c+d				222.01
		Carriage cost:-	nos.	1.20	185.01	530.30
		Fine Sand				5.30
		Cost per cum including Carriage				63.64
		Labour cess 1%				53.03
		GST 12%				
		Seignorage 10%				652.27
		TOTAL COST	cum			