

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chapra

DIVISION – R.W.D Works Division, Marhaura

A.D.L – 0.186 km

Name of Work - Motrable of road from NH-102 RMV Basauta to NH-102
House of Devcharan Ram

Block - Amnaur

Estimated Cost – Rs 869036.00

R. 992000/- 753919/-
R. 898356/-

2020-21

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- *Motable of Road from NH-102 RGV Basuta to NH 102*

पथ की लम्बाई:- *House of Deochan Ram.*
0.800 Km.

पथ के क्षतिग्रस्त भाग की लम्बाई:- 0.109 Km

प्रखंड:- *कमठौर* जिला :- सारण

प्रमंडल:- ग्रामीण कार्य विभाग कार्य प्रमंडल, मढ़ौरा

अंचल:- ग्रामीण कार्य विभाग कार्य अंचल, छपरा

प्राक्कलित राशि:- ~~882000/-~~ *898356210*
Rs-753919/-

प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों के मोटरबुल कार्य हेतु कुल रुपये ~~882000/-~~ *898356210* मात्र के लिए तैयार किया गया है।

753919/- विदित है की गत जून महीने से सितम्बर अक्टूबर महीने तक लगातार अन्तराल पर जिला क्षेत्र अंतर्गत असामयिक रूप से पथ क्रस्ट काफी क्षतिग्रस्त हो गया जिससे पथों पर आवागमन बुरी प्रभावित हो गया। ऐसी परिस्थिति में पथों पर आम जनता को सुलभ आवागमन प्रदान करने हेतु विभागीय उच्चाधिकारियों से प्राप्त आदेश एवं इस संबंध में विभाग से निर्गत दिशा निर्देश के अलोक में तत्काल प्रभाव से प्रभावित पथों में कटाव/क्षतिग्रस्त भाग में अवश्यकतानुसार Brick Bats भरकर चलने लायक बनाया गया है।

इस प्रकार कटाव/क्षतिग्रस्त भाग

में अवश्यकतानुसार Brick Bats इत्यादि मर्दों का प्रावधान करते हुए प्राक्कलन कुल रुपये ~~882000/-~~ *898356210* का तैयार किया गया है जो कार्य हित में आवश्यक एवं जनपयोगी है। *753919/-*

प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है, जिस पर स्वीकृति अपेक्षित है।

30/10/21
कनीय अभियंता

30.10.21
सहायक अभियंता

31/10
कार्यपालक अभियंता

Inspection Report For Flood Damage Work

Date:

1. Name of PIU - E.E. R.W.D (W) Marhaura.
2. Name of Block/Road - Ammawar - NH-102 R.M.V. Basuta to HH-102 House of Dorekaram Ram.

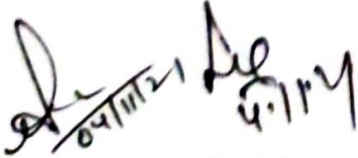
A. For Road

1. Damage Location/ Chainage :- 0.100 Km.
2. Damage Length :- 0.186.
3. Nature of Damage :- Ditches due to flood.
4. Details of Restoration :-

- I. Materials being used in restoration : Bridge Bats, Local sand.
- II. Equipment/Tools being used in restoration works : Tractors, Roller, J.C.B, Trolley.
- III. Procedure taken up in Restoration works : Supplying, Laying, filling.
- IV. Restored Length : 0.109 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/JE/EE


Executive Engineer
Rural Works Department
Works Division, Marhaura

'S'

Signature

(Name of Inspector)

RWD (W) - SONEPUR

ABSTRACT OF COST

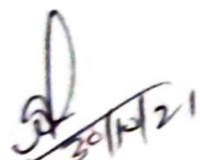
Name of Work -

Motrable of road from NH-102 RMV Basauta to NH-102
House of Devcharan Ram

Block - Amnaur

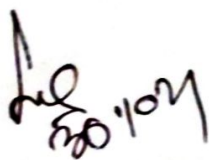
S.No	Particulars	Amount (In Rs.)
1	Cost of Motrable Work	869036.00 753919.00
	Total Cost	869036.00

~~Rs. 982000/-~~
Rs. 898356/-
R. 753919/-


J.E.

RWD

Amnaur


A.E.

RWD

Amnaur


E.E.

RWD

Amanur

Detailed Estimate

Name Of Road: Motrable of Road From NH-102 RMV Basauta to NH-102 House of Devcharan Ram

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	186.00	0.50 1.20	0.50 0.90	272.30 200.88	193.00	167.40	✓
		1	167.00	0.50 1.10	0.90	249.78 165.33	75.75	150.30	✓
								317.70	✓
		Total						Cum	2300.58
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	186	0.50 1.20	0.10	22.32	9.30	18.60	✓
		1	167.00	0.50 1.10	0.10	18.37	8.95	16.70	✓
								35.30	
		Total						Cum	652.27
		TOTAL							869036.00

J.E
RWD
Amnaur

A.E
RWD
Amnaur

E.E
RWD
Amnaur

T/S. for. Rs. 7,53,919/- (Rupees Seven Lakhs Fifty three thousand Nine hundred and Ninety only).

Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

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 Motarable Work in Amari Pakha Se Marhaura Bazar Tak
Block :- Marhaura

SI No	Item with Source	Unit	Source Up to	Pucka / Surface	Carriage Cost & Lead in Km	Katcha	Loading & Unloading Cost	Carriage Cost by Rail Head	Total	Min Total
3	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 10.10 \times 2.00 \text{ Km}$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km}$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km}$	113.67			Rs. 185.01

JE
RWD

AE
RWD

EE
RWD

Analysis of Rates (FORMAT F8)

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