

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chapra

DIVISION – R.W.D Works Division, Marhaura

A.D.L – 0.185 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~~ ^{753919/-} ~~Rs 898356.00~~

2020-21

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- *Ward of Road from NH-102 R.V. Basanta to NH 102*
House of Deochan Ram.

पथ की लम्बाई:- *0.800 km.*

पथ के क्षतिग्रस्त भाग की लम्बाई:- *0.109 km*

प्रमंडल:- *सामाजिक* जिला:- *सारण*

अंचल:- *ग्रामीण कार्य विभाग कार्य प्रमंडल, मदीरा*

प्राक्कलित राशि:- *898356/-*

Rs-753919/-

प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों के मोटरबुस कार्य हेतु कुल रुपये *898356/-* *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 आवश्यकतानुसार Brick Bats भरकर चलने लायक बनाया गया है।

इस प्रकार कटाव/क्षतिग्रस्त भाग

में आवश्यकतानुसार Brick Bats इत्यादि मदों का प्रावधान करते हुए प्राक्कलन कुल रुपये *898356/-* *753919/-* का तैयार किया गया है जो कार्य हित में आवश्यक एवं जनपयोगी है।

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

30/10/21

कनीय अभियंता

30.10.21

सहायक अभियंता

31/10/21

कार्यपालक अभियंता

Inspection Report For Flood Damage Work

Date:

1. Name of PU - E.D. R.W.D (W) Marhaura
2. Name of Block/Road - *Amra - NH-102 R.V. Basuta to HH-102*
House of Devabhai Ram.

A. For Road

1. Damage Location/ Chainage :- 0.107 Km
2. Damage Length :- 0.186
3. Nature of Damage :- *Dike due to flood.*
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 :

*Bridge Bats, Local sand.
Tractor, Roller, J.C.B, Trolley.
Supplying, Laying, filling.
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]
Signature of AE/JE/EE

[Signature]
Executive Engineer
Rural Works Department
Works Division, Marhaura

[Signature]
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. 869036.00~~
Rs. 898,356.00
R. 753919.00


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

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	186.00	1.20	0.90	272.88	193.00	167.40		
		1	167.00	1.10	0.90	165.33	75.75	150.30		
									317.70	
		Total					455.319	Cum	2300.58	730894.5
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	186	1.20	0.10	22.32	9.30	18.60		
		1	167.00	1.10	0.10	18.37	8.35	16.70		
									35.30	
		Total					47.65	Cum	652.27	23025.7
						35.30	TOTAL		869036.00	

J.E
RWD
Amnaur

A.E
RWD
Amnaur

E.E
RWD
Amnaur

T/S. for. R. 7,53,919/- (Rupees Seven Lakh, 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 / Stone aggregate / sand / kanker / Moorum					
	Placing Tractor at loading point, loading with front loader, 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	Supplying 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

Name of Road:--
 District:-

Saran

District		Carriage Cost & Lead in Km				Total	
SI No	Item with Source	Unit	Source Up to	Pucka / Surface	Katcha	Carriage Cost by Rail Head	Min Total
3	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 10.10 \times 2.00 \text{ Km} = \text{Rs } 32.38$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km} = \text{Rs } 38.96$	111.67	Rs. 185.01


 JE 30/25/21
 RWD

AE
 RWD


 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				
		Mate	day	0.01	310.00	3.10
		Mazdoor Unskilled	day	0.30	304.00	91.20
	b)	Material				
		Sand assuming 20% voids	day	1.20	141.75	170.10
	c)	Overheads @6 % on (a+b)				15.86
	d)	Contractor's profit @ 10% on (a+b+c)				28.03
		Rate per cum = a+b+c+d				308.29
		Carriage cost:-				
		Fine Sand	nos.	1.20	185.01	222.01
		Cost per cum including Carrige				530.30
		Labour cess 1%				5.30
		GST 12%				63.64
		Seignorage 10%				53.03
		TOTAL COST	cum			652.27