

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chapra

DIVISION – R.W.D Works Division, Marhaura

A.D.L – 0.087 km

Name of Work - Motrable of road from Tehti Dayalpur Mukh Path to
Piparpati Purab Tola tak

Block - Marhaura

Estimated Cost – Rs 525101.00

2020-21

Inspection Report For Flood Damage Work

Date:

1. Name of PIU - E.E.R.W.D.(W) Marhaura.
2. Name of Block/Road - Marhaura - Motorable of road from Tolahi Dargah
Mukh Path to Pipaspati Aash Tolahi.

A. For Road

1. Damage Location/ Chainage :- 0.250 km.
2. Damage Length :- 0.281 km.
3. Nature of Damage :- Due to flood ditches.
4. Details of Restoration :-

- I. Materials being used in restoration : Boulders, Local Sand filling.
- II. Equipment/Tools being used in restoration works : Tractor, J.C.B, Roller, Trolley etc.
- III. Procedure taken up in Restoration works : Speedy & laying sound labour etc.
- IV. Restored Length : 0.087 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
Executive Engineer
Rural Works Department
Works Division, Marhaura

'S'
[Signature]
Signature
03/12/2021

(Dr. Akhilesh Kumar)
(Name of Inspector)
EE
RWD (W) - SONEPUR

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- Maintenance of Road from Takti Doyalpur Mukh Path to Pipasopatti Punjab Tola.

पथ की लम्बाई:- 1.00 Km.

पथ के क्षतिग्रस्त भाग की लम्बाई:- 0.087 Km.

प्रखंड:- मढ़ौरा जिला :- सारण

प्रमंडल:- ग्रामीण कार्य विभाग कार्य प्रमंडल, मढ़ौरा

अंचल:- ग्रामीण कार्य विभाग कार्य अंचल, छपरा

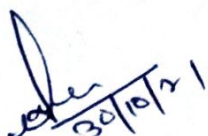
प्राक्कलित राशि:- ₹ 525101/-

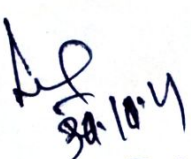
प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों के मोटरेबुल कार्य हेतु कुल रुपये ₹ 525101/- लाख मात्र के लिए तैयार किया गया है।
विदित है की गत जून

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 मदों का प्रावधान करते हुए प्राक्कलन कुल रुपये ₹ 525101/- लाख 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।
प्रतिकूल की प्रतिकूल मदों की मात्रा एवं दर की जानकारी की गई है जो कि सही है।


कनीय अभियंता


सहायक अभियंता


कार्यपालक अभियंता

ABSTRACT OF COST

Name of Work – Motrable of road from Tehti Dayalpur Mukh Path to Piparpati
Purab Tola tak

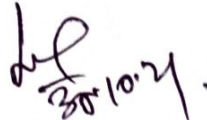
Block –Marhaura

S.No	Particulars	Amount (In Rs.)
1	Cost of Motrable Work	525101.00
	Total Cost	525101.00


J.E.

RWD

Marhaura


A.E.

RWD

Marhaura


E.E.

RWD

Marhaura

T/S. for Rs. 5,25,101/-
(Rupees five lakhs twenty five thousand
one hundred one) only.


15/01/22
S.E.
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

Detailed Estimate

Name Of Road: Motrable of Road From Tehti Dayalpur Mukh Path to Piparpati Purab Tola Tak

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	3.50	4.22	1.00	14.77			
		1	12.50	1.00	0.40	5.00			
		2	5.10	1.90	0.30	5.82			
		2	6.80	1.00	1.00	13.60			
		2	7.10	1.00	1.00	14.20			
		2	6.00	1.00	0.60	7.20			
		1	240.00	1.00	0.66	158.40			
		Total					218.99	Cum	2300.58
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	3.5	4.22	0.10	1.48			
		1	12.5	1	0.10	1.25			
		2	5.1	1.9	0.10	1.94			
		2	6.8	1	0.10	1.36			
		2	7.1	1	0.10	1.42			
		2	6	1	0.10	1.20			
		1	240	1	0.10	24.00			
		Total					32.65	Cum	652.27
TOTAL								525101.00	

J.E

RWD

Marhaura

A.E

RWD

Marhaura

E.E

RWD

Marhaura

1.1 RCD Loading and Unloading of Stone Boulder / Stone aggregate / 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 Kolhua Annaur MMGSY Path Se Jamalpur Dakshin Tola Tak

Block :- Marhaura

Saran

Name of Road:-
District:-

SI No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km			Loading & Unloading Cost	Carriage Cost by Rail Head	Total	Min Total
				Pucka / Surface	Katcha					
3	Local Sand	Cum	Local	8.00 4.99 x 10.10	2.00 Km = Rs 32.38 x 24.30	1.00 Km = Rs 38.96	113.67			Rs. 185.01


 JE
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 Carriage				
						530.30
		Labour cess 1%				
						5.30
		GST 12%				
						63.64
		Seignorage 10%				
						53.03
		TOTAL COST				
			cum			652.27