

RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chapra

DIVISION – R.W.D Works Division, Marhaura

A.D.L – 0.081 km

Name of Work - Motrable of road from House of Bhuwan Ray to House of Lochan Ray

Block - Amnaur

Estimated Cost – Rs ~~565929/-~~
~~818282/-~~
~~994454.00~~

2020-21

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:-

Motorable of Road from house of Bhuvan Rai to house of

पथ की लम्बाई:-

Location Road

0.600 Km.

पथ के क्षतिग्रस्त भाग की लम्बाई:- 0.081 Km

प्रखंड:-

कसरगोटा

जिला :- सारण

प्रमंडल:- ग्रामीण कार्य विभाग कार्य प्रमंडल, मढ़ौरा

अंचल:- ग्रामीण कार्य विभाग कार्य अंचल, छपरा

प्राक्कलित राशि:-

~~974554/-~~
~~218287/-~~
565929/-

रुपया मात्र

प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथो के मोटरबुल कार्य हेतु कुल रुपये ~~974554/-~~ ~~218287/-~~ 565929/- 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 पथो पर आवागमन बुरी प्रभावित हो गया। ऐसी परिस्थिति में पथो 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 पथो 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 ~~974554/-~~ ~~218287/-~~ 565929/- 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


कार्यपालक अभियंता

ABSTRACT OF COST

Name of Work -

Mottrable of road from House of Bhuwan Ray to House of Lochan Ray

Block - Amnaur

S.No	Particulars	Amount (In Rs.)
1	Cost of Mottrable Work	994454.00
	Total Cost	994454.00

565929=00
218289=00
565929=00


30/10/21
J.E.

RWD

Amnaur


20/10/21
A.E.

RWD

Amnaur


9/11
E.E.

RWD

Amanur

T/S Four Rs - 5,65,929=00 (Five Laks sixty five thousand nine hundred twenty nine). only.


20/11/21
S.E.

Detailed Estimate

Name Of Road: Motrable of Road From House of Bhuwan Ray to House of Lochan Ray

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	160.00	0.50 1.00	0.60 1.45	232.00	8.08		
		1	142.00	0.50 1.00	0.60 1.35	191.70	42.60	191.70	
		Total				423.70	Cum	2300.58	974756.00
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	160	0.50 1.00	0.10	16.00	8.08		
		1	142.00	1.00 0.50	0.10	14.20	14.20		
		Total				30.20	Cum	652.27	19699.00
						22.20		TOTAL	994454.00

[Signature]
J.E

RWD
Amnaur

[Signature]
30/10/21

A.E
RWD
Amnaur

[Signature]
E.E
RWD
Amnaur

918,282.00
565,929.00

T/S For RS - 5,65,929.00 (Five Lakh Sixty Five thousand Nine hundred twenty Nine Rs. only).

Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	Labour for dry graded jhama khoa folter 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				
	Unskilled Mazdoor	Nos.	3	304.00	912.00
	Add 6% Overhead Charge				54.72
	Rate for 2.832 Cum				966.72
	Rate Per Cum(Rs.)=				341.36
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.				
	a)Machinery.				
	Tractor 3.6 tonnes Capacity				
	Time Taken For onward haulage with load	hour	0.667	652.00	434.88
	Time Taken For empty return trip	hour	0.400	652.00	260.80
	b) Overhead Charges @0.06 on (a)				41.74
	Cost for 36 t km=(a+b+c)/36				737.43
	Say RS.-				20.48
	ii) Unsurface Gravel Road				
	Speed With load :12 km / hour.				
	Speed for empty return trip :20 km / hour.				
	a)Machinery.				
	Tractor 3.6 tonnes Capacity				
	Time Taken For onward haulage with load	hour	0.833	652.00	543.12
	Time Taken For empty return trip 0.50	hour	0.500	652.00	326.00
	b) Overhead Charges @0.06 on (a)				52.15
	Cost for 36 t km=(a+b+c)/840.34				921.26
	Rate per t.km = (a+b+c)/3623.34				25.59
	Say RS.-				25.59

1.1 RCD	Loading and Unloading of Stone Boulder / Stone aggregate / 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		1 Min		
	ii) Loading by front end loader 1 cum bucket @ capacity 25 cum per hour		5 Min		
	iii) Maneuvering, reverse, dumping and turning for return		0 Min		
	iv) Waiting 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

Estimasi Saran

Estimate for Repair of Saran

Block:- Marhaura

Re 185 91

JE
RWD

JE
RWD

AE
RWD

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

Inspection Report For Flood Damage Work

Date:

1. Name of PIU – E. E - R. W. D (W) Marhaura
2. Name of Block/Road – Amnour – Off-House of Dhikun Ray to House of Lockun Ray.

A. For Road

1. Damage Location/ Chainage :- 0.010 Km.
2. Damage Length :- 0.160 Km.
3. Nature of Damage :- Ditches due to Flood
4. Details of Restoration :-

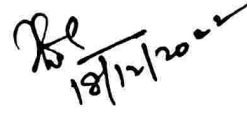
- I. Materials being used in restoration : - Bricks Brts, Local sand.
- II. Equipment/Tools being used in restoration works : Roller, Tractor, JCB, Trolley.
- III. Procedure taken up in Restoration works : Supplying, Laying, filling -
- IV. Restored Length : 0.081 Km.

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


Signature

(Name of Inspector)

RWD (W) - SONEPUR