

RURAL WORKS DEPARTMENT



सत्यमेव जयते

GOVERNMENT OF BIHAR

CIRCLE – R.W.D Works Circle, Chhapra

DIVISION – R.W.D Works Division, Marhaura

Name of Work- Motrable of road from Arna Kothi to Pojhi

Block- Amnaur

Estimated Cost – Rs ^{526684/-}~~5,68,163.00~~

²⁰²¹⁻²²
~~2020-21~~

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- Motability of Road from Amakothi to Rajhi

पथ की लम्बाई:- 7.07 Km.

पथ के क्षतिग्रस्त भाग की लम्बाई:- 0.700 Y.

प्रखंड:- कमलगाँव जिला :-सारण

प्रमंडल:-ग्रामीण कार्य विभाग कार्य प्रमंडल, मढ़ौरा

अंचल:-ग्रामीण कार्य विभाग कार्य अंचल, छपरा

प्राक्कलित राशि:- 568163/-

526684/-

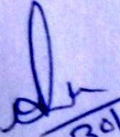
प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टिसे क्षतिग्रस्त पथो के मोटरबुल कार्य हेतु कुल रुपये 568163/- लाख मात्र के लिए तैयार किया गया है।
विदित है की गत जून

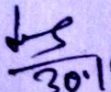
महीने से सितम्बर अक्टूबर महीने तक लगातार अन्तराल पर जिला क्षेत्र अंतर्गत असामयिक रूप से पथ क्रस्ट काफी क्षतिग्रस्त हो गया जिससे पथो पर आवागमन बुरी प्रभावित हो गया। ऐसी परिस्थिति में पथो पर आम जनता को सुलभ आवागमन प्रदान करने हेतु विभागीय उच्चाधिकारियोंसे प्राप्त आदेश एवं इस संबंधमें विभाग से निर्गत दिशा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

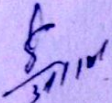
इस प्रकार कटाव/क्षतिग्रस्त भाग

में अवश्यकतानुसार Brick Bats इत्यादि मर्दों का प्रावधान करते हुए प्राक्कलन कुल रुपये 568163/- लाख का तैयार किया गया है जो कार्य हित में आवश्यक एवं जनपयोगी है। 526684=0

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


कनीय अभियंता


सहायक अभियंता


कार्यपालक अभियंता

Inspection Report For Flood Damage Work

Date:

1. Name of PIU – E.E.R.W.D. (Work) Moshkura.
2. Name of Block/Road – Annouar / Motorable Road from Aonkothi to Pajhi.

A. For Road

1. Damage Location/ Chainage :- ~~0+49~~ 900 to 1600 M.
2. Damage Length :- 0.145 km.
3. Nature of Damage :- Cutting of road ditch.
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 :

Brick Gats, local sand.
Roller, Tractor, Bulky, etc.
Proving by filling in ditch.
0.145 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 :

'S'

18/12/2021

Signature

(Name of Inspector)

RWD (W) - SONEPUR

Signature of AE/JE/EE

कार्यपालक अभियन्ता
महोदय, मदनपुर

ABSTRACT OF COST

Name of Work – Motrable of road from Arna Kothi to Pojhi

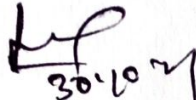
Block - Amnaur

S.No	Particulars	Amount (In Rs)
1	Cost of Motrable work	5,68,163.00 526,684 = 0 ✓
	Total Cost	5,68,163.00 526,684 = 0 ✓


J.E.

RWD

Amnaur


AE

RWD

Amnaur


EE

RWD

Amnaur

T/S. for Rs. 5,26,684/- (Refers. five lakhs, twenty six thousand six hundred eighty four only)


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

Detailed Estimate

Name Of Road: Motrable of Road From Arna Kothi to Pajhi

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.	2	86.00	0.70	0.30	36.12	/		
		2	115.00	0.65	0.35	52.33	/		
		2	92.00	0.80	0.40	58.88	/		
		1	17.00	3.20	0.56	41.34	30.46	/	
		1	26.00	2.75	0.60	42.90	35.75	/	
		Total					213.59 231.57	cum	2300.58
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	2	86.00	0.70	0.10	12.04			
		2	115.00	0.65	0.10	14.95			
		2	92.00	0.80	0.10	14.72			
		1	17.00	3.20	0.10	5.44			
		1	26.00	2.75	0.10	7.15			
		Total					54.30	cum	652.27
					TOTAL				

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RWD
Amnaur

A.E.Solomay

RWD
Amnaur

E.E
27/10/21

RWD
Marhaura

526689 = 00

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 / 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)					
	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 Ishriya Miya Ke Dukan Se PMGSY Path Tak

Block :- Marhaura

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


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22/11/21
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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

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2.11

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कायपालक अभियन्ता
70 काय 100 काय अनुमति
महोदय प्रमाण



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 कार्यपालक अभियन्ता
 मदीरा मण्डल



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 70 काय 100 काय 100 काय
 नदीरा हरण

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 Kanya Vidyalay to Amnaur Tarraiya
road to Parsuram Gandak Via Gausi Amnaur

Block - Amnaur

Rs. 1211264/-
Estimated Cost – Rs-1351536.00

2020-21

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- Motors & Road from Kanpur Vidyalaya to Amroha Terminus

पथ की लम्बाई:- 1.65 Km

पथ के क्षतिग्रस्त भाग की लम्बाई:-

प्रखंड:- मदौरा जिला :-सारण

प्रमंडल:-ग्रामीण कार्य विभाग कार्य प्रमंडल, मदौरा

अंचल:-ग्रामीण कार्य विभाग कार्य अंचल, छपरा

प्राक्कलित राशि:- 121/264 = 00

प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टिसे क्षतिग्रस्त पथो के मोटरबुल कार्य हेतु कुल रुपये 121/264 = 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 पथो पर आवागमन बुरी प्रभावित हो गया। ऐसी परिस्थिति में पथो पर आम जनता को सुलभ आवागमन प्रदान करने हेतु विभागीय उच्चाधिकारियोंसे प्राप्त आदेश एवं इस संबंधमें 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 121/264 = 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।

कनीय अभियंता

सहायक अभियंता

कार्यपालक अभियंता

Inspection Report For Flood Damage Work

Date:

1. Name of PIU - E.E. R.W.D. (W) Mardaula
2. Name of Block/Road - Annour - Motorable of Road from Kanya Bidyalaya
to Annour Taria road to Assam and Gondele via
Gausi Annour:

A. For Road

1. Damage Location/ Chainage :- 1.00 km to "
2. Damage Length :- 0.207 km.
3. Nature of Damage :- Rain cut also to flood.
4. Details of Restoration :-
- I. Materials being used in restoration : Bridge Guts., Local sand.
- II. Equipment/Tools being used in restoration works : Roller, Tractor, G.C.B., etc.
- III. Procedure taken up in Restoration works : Laying, filling and leveling.
- IV. Restored Length : 0.055 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

(Name of Inspector)

RWD (W) - SONEPUR

Signature of AE/JE/EE

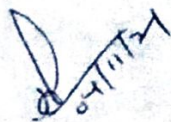
ABSTRACT OF COST

Name of Work -

Mottrable of road from Kanya Vidyalay Amnaur Tarraiya
road to Parsuram Gandak Via Gausi Amnaur

Block - Amnaur

S.No	Particulars	Amount (In Rs.)
1	Cost of Mottrable Work	4351536.00 12/1264=0
	Total Cost	4351536.00 12/1264=0.



J.E

RWD

Amnaur



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Amnaur



E.E

RWD

Marhaura

T/S. for Rs. 12,11,264/- (Rupees twelve lakhs
Eleven thousand two hundred Sixty four) only


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

Detailed Estimate

Name Of Road: Motrable of Road From Kanya Vidyalay of Amnaur Tarraiya Road to Parsurampur Gandak Via Gausi Amnaur

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	22.00	3.00	1.60	440.80	66.00		
		2	36.00	2.00	1.60	86.40			
		2	32.00	3.10	1.70	138.88			
		2	22.00	2.00	1.60	57.20			
		2	95.00	3.10	0.50	147.25			
Total						495.73	cum	2300.58	1140067.00
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	22.00	3.10	0.10	66.00			
		2	36.00	2.00	0.10	7.20	14.40		
		2	32.00	3.10	0.10	9.92	19.84		
		2	22.00	2.00	0.10	4.40	8.80		
		2	95.00	3.10	0.10	29.45	58.90		
Total						108.57	cum	652.27	70777.00
TOTAL									1211264.00

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Marhaura

1.1 RCB	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

Block :- Marhaura

SI No	Item with Source	Unit	Source up to	Pucka / Surface	Carriage Cost & Lead in Km	Carriage Cost by Rate Head	Total	Min Total
3	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 10.10 \times 2.00 \text{ Km} = \text{Rs } 32.38$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km} = \text{Rs } 38.96$	113.67		Rs. 185.01

AE
RWD

FE
RWD

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RWD

Analysis of Rates (FORMAT F8)

		#REF!	CUM			#REF!
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)				
	d)	Contractor's profit @ 10% on (a+b+c)				
		Rate per cum = a+b+c+d				
		Carriage cost:-				
		Fine Sand	nos.	1.20	185.01	222.01
		Cost per cum including Carrige				
		Labour cess 1%				
		GST 12%				
		Seignorage 10%				
		TOTAL COST				
		cum				