

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 House of Ramayan Pandit to house of Raj Kumar Shah

Block - Amnaur

Estimated Cost – Rs ~~4087912~~ 958147.00

Rs 4087912 R

2020-21

ABSTRACT OF COST

Name of Work – Motrable of road from House of Ramayan Pandit to house of Raj Kumar Shah

Block –Amnaur

S.No	Particulars	Amount (In Rs.)
1	Cost of Motrable Work	958147.00 408791=
	Total Cost	958147.00 408791=


J.E.

RWD

Amnaur


A.E.

RWD

Amnaur


E.E.

RWD

Amnaur

T/S For Rs. 4,08,791= (Four Lacs Eight thousand seven hundred Ninety one). only.


20/11/21
S.R.

Detailed Estimate

Road: Motrable of Road From House of Ramayan Pandit to house of Raj Kumar Shah

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	86	1.10	0.55	113.52	52.03		
		1	92	0.95	0.45	111.32	45.54		
		1	111	1.0	0.50	146.52	55.80		
		1	32	1	0.45	35.20	14.40		
		0	0	0	0	0.00	167.77		385968.38
		Total						406.56	Cum
2	Filling and spreading local sand over brick bats as per drawing and technical specification Clause 303.5.9	1	86	1.1	0.10	9.46			
		1	92	0.95	0.10	10.12			
		1	111	1.0	0.10	12.21			
		1	32	1	0.10	3.20			
		0	0	0	0.10	0.00			
		Total						34.99	Cum
TOTAL								958147.00	

J.E
RWD
Amnaur

A.E
RWD
Amnaur

E.E
RWD
Amnaur

T/S for Rs - 408791.20 (Forty Four Lakhs
Eight thousand seven hundred
Ninty one/- only.)

FDR(2021-2022)

प्रतिवेदन

पथ का नाम:- Motable of Road from Lower Pharyan Road to
Lower Pharyan S.H.

पथ की लम्बाई:-

पथ के क्षतिग्रस्त भाग की लम्बाई:- 0.221 km.

प्रखंड:- जयपुर जिला :-सारण

प्रमंडल:-ग्रामीण कार्य विभाग कार्य प्रमंडल,मदौरा

अंचल:-ग्रामीण कार्य विभाग कार्य अंचल,छपरा

प्राक्कलित राशि:- $\frac{858147}{1} = 408791 =$

प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टिसे क्षतिग्रस्त पथो के मोटेबुल कार्य हेतु कुल रुपये $\frac{858147}{1} =$ लाख मात्र के लिए तैयार किया गया है।
 $408791 =$ 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 $\frac{858147}{1} =$ 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

2. Name of Block/Road

E.E.R.W.D (H) Morkhousu
Motorable of Road from house of Ramayon Pantik to house.

A. For Road

1. Damage Location/ Chainage :- 0.10000

2. Damage Length :- 0.221

3. Nature of Damage :-

Rain Cut 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 :

Brickbats, Leaf sand.
Lorry, Roller, G.C.B. Trolley, Rdbr. et -
0.086 km.

B. For Bridge

1. Damage Location/ Chainage :-

2. Damage Length :-

3. Nature of Damage :-

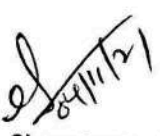
4. Details of Restoration :-

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/IE/EE




Signature

(Name of Inspector)

RWD (W) - SONEPUR

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	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

Name of Road:--

Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Teipurawa Panchayat Bhawan Se Kameshwar Ray & Cha.

District:-

Block :- Marhaura

District:-		Saran		BLOCK :- Matnatura								
Sl 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	$\frac{8.00}{4.99}$	$\times 10.10$	$\times 2.00 \text{ Km}$	$= \text{Rs } 32.38$	$\frac{8.00}{4.99}$	$\times 24.30$	$\times 1.00 \text{ Km}$	$= \text{Rs } 38.96$	Rs. 185.01

EE
RWD

AE
RWD

JE
RWD

Clause 2

#REF!

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
		Mazdoor Unskilled	day	0.30
	b)	Material		
		Sand assuming 20% voids	day	1.20
	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
		Cost per cum including Carrige		
		Labour cess 1%		
		GST 12%		
		Seignorage 10%		
		TOTAL COST	cum	

3.10
91.20
170.10
15.86
28.03
308.29
222.01
530.30
5.30
63.64
53.03
652.27