



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From L021 Taraiya T01 To Chanchaliya Tak.		
DISTRIC	Saran		
BLOCK	Taraiya		
LENGTH OF ROAD	2.348	KM	
ESTIMATED COST	4.867	Lac	

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs – *EE RWD WORKS DIVISION Marhanga*
2. Name of Block/Road – *moterable of Road from - LO 21 Tarsaiya*
Toll To chanchaliya Tak
- A. For Road

1. Damage Location/Chainage : *0.500, 0.550, 1.100 m*
2. Damage Length : *40 m*
3. Nature of Damage : *Flood*
4. Details of Restoration Works :
- i. Material being used in Restoration works : *Brick bats and sand*
- ii. Equipments/Tools being used in Restoration works: *J.C.B, Roller, Tractor, Tally etc*
- iii. Procedure taken up in Restoration works :
- iv. Restored Length : *40 m*

B. For Bridge

1. Damage Location/Chainage :
2. Damage Length :
3. Nature of Damage :
4. Details of Restoration Works :
- i. Material being used in Restoration works :
- ii. Equipments/Tools being used in Restoration works:
- iii. Procedure taken up in Restoration works :
- iv. Restored Length :

C. Requirement of new CD/Bridge

- i. Name of Road :
- ii. Location/Chainage :
- iii. Type of CD work/Length required :

- Upload one Photograph of damaged portion if available
- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode.

[Signature]
8/12/2020
Signature of JE/AE/EE

[Signature]
Signature

(Name of Inspector)

FDR(2020-2021)

प्रतिवेदन

पथ का नाम:- L021 Taraiya T01 To Chanchaliya Tak.

पथ की लम्बाई:- 2.348 KM.

प्राक्कलित राशि:- 486692 रु

प्रखंड:-तरैया

जिला:-सारण

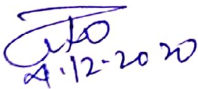
प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमंडल मढ़ौरा के प्रखंड अंतर्गत बाढ़ से क्षतिग्रस्त पथों के मोटेरेबुल कार्य प्राक्कलन कार्यपालक अभियंता, ग्रामीण कार्य विभाग कार्य प्रमंडल मढ़ौरा के निर्देशानुसार तैयार किया गया है।

विदित है कि माह जूलाई एवं सितम्बर 2020 में गंडक नदी के बांध के टूटने एवं अतिवृष्टि के कारण आयी बाढ़ के कारण निर्मित/निर्माणाधीन पथों में काफी क्षति हुई है। पानी के तेज बहाव के कारण पथों में हुई कटाव से आवागमन प्रभावित हुआ है साथ ही दिनांक 3.11.2020 को बिहार विधान सभा का चुनाव निर्धारित है। बूथों तक वाहन का आवागमन आवश्यक है जिस कारण से चुनाव कार्य एवं लोगों की कठिनाईयों को देखते हुए तथा उच्चाधिकारी के निर्देशानुसार पथों को तत्काल मोटेरेबुल करने का निर्देश दिया गया है ताकि सभी बूथों पर वाहन का आवागमन सुनिश्चित हो सके।

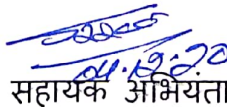
उपरोक्त आलोक में क्षतिग्रस्त पथों में तत्काल Brick Bats से भरकर वाहन का आवागमन चालू किया गया है।

इस प्रकार प्राक्कलन में Brick Bats भरने के साथ आवश्यक मदो का प्रावधान किया गया है।

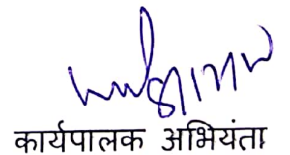
प्राक्कलन वर्तमान अनुसूचित दर पर तैयार कर आवश्यक कारवाई हेतु समर्पित किया जाता है।


4.12.2020

कनीय अभियंता


04.12.20

सहायक अभियंता


कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- Taraiya

District:- Saran

Length of Road:- 2.348 KM

Name of Road:- Motorable of Road From L021 Taraiya T01 To Chanchaliya Tak.

SL. No.	Amount
A ESTIMATED COST :	4.867 Lacs
TOTAL :	4.867 Lacs

[Signature]
4.12.2020
Junior Engineer

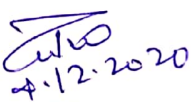
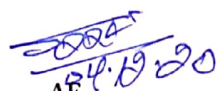

[Signature]
64.12.20
Asstt. Engineer

[Signature]
Executive Engineer

T.A for R.S- 4.867 Lacs (Four lacs eighty six thousand seven hundred and seventy)

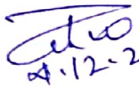
SE
RWD


[Signature]
31-12-20
अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा


Name Of Road :-		Motorable of Road From L021 Taraiya T01 To Chanchaliya Tak.		Block:-	Taraiya
Sl. No.	Description	UNIT	QUANTITY	RATE	AMOUNT (in Rs.)
1	Providing Brick Bats				
	Providing brick bats including spreading laying, Labour for dry graded jhama khoa folter under Brick Pitching or boulder pitching in slope or apron including light ramming etc. All complete job as per approved design specification and direction of E/I, including carriage cost of bricks.				
	Quantity As Per Annexure-1	CUM	226.00	2153.51	486692.21
				TOTAL COST =	4,86,692.21
<div style="display: flex; justify-content: space-around; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;">  JE RWD </div> <div style="text-align: center;">  AE RWD </div> <div style="text-align: center;">  EE RWD </div> </div>					

ANNEXTURE-1

Name Of Road :- Motorable of Road From L021 Taraiya T01 To Chanchallya Tak.							Block:- Taraiya
Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	CH- 500 m	1	20.00	5.00	2.00	CUM	200.00 m3
	CH- 550 m	1	10.00	2.00	0.30	CUM	6.00 m3
2	CH- 1100 m	1	10.00	2.00	1.00	CUM	20.00 m3
TOTAL QUANTITY =							226.00 m3


4.12.2020
JE
RWD


01.10.20
AE
RWD


01.10.20
EE
RWD

Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
6.6.1 WRD Bihar	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	287.00	861.00
	Add 6% Overhead Charge				51.66
	Rate for 2.832 Cum				912.66
	Rate Per Cum(Rs.)=				322.27
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	549.10	366.25
	Time Taken For empty return trip	hour	0.400	549.10	219.64
	b) Overhead Charges @0.06 on (a)				35.15
	Cost for 36 t km=(a+b+c)/36				621.04
	Say RS.-				17.25
	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	549.10	457.40
	Time Taken For empty return trip 0.50	hour	0.500	549.10	274.55
	b) Overhead Charges @0.06 on (a)				43.92
	Cost for 36 t km=(a+b+c)/840.34				775.87
	Rate per t.km = (a+b+c)/3623.34				21.55
	Say RS.-				21.55

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	305.00	9.15
	Mazdoor for loading and unloading	Day	0.72	287.00	206.64
	b) Machinery				
	Tractor 3.60 tonnes capacity	hour	0.10	549.10	54.91
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	1403.00	116.45
	c) Overhead charges @ 0.06 on (a+b)				23.23
	Cost for 2.25 cum = a+b+c+d				410.38
	Cost for 2.25 cum = (a+b+c+d)/2.25				182.39
Note-	Unloading will be done manually.				
1	Supplying for Brick Bats (With OH)				
A	Basic Rate of Brick Bats	Per Cum		1017.00	1017.00
	Add overhead Charges 6%		0.06		61.02
	Total-				1078.02
	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 17.25) + (1.6 x 1 x 21.55) + 182.39				410.07
C	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				
	Total (A+B+C)-				1810.36
	Add 1% Labour Cess (A+B+C)				18.10
	Add 12% GST (A+B+C)				217.24
	Add 10% cost of Material for seigniorage Fee		1.00	107.80	107.80
	Total Cost per Cum		Rs.-		2153.51