



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From <i>Bhataura</i> to <i>Narayanpur</i>		
DISTRICT	Saran		
BLOCK	<i>Taraiya</i>		
LENGTH OF ROAD	<i>3.250</i>	KM	
ESTIMATED COST	<i>7.548</i>	Lac	

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - EE RWD (W) Division, Mankura
2. Name of Block/Road - Motorable of Road from Bharkhura to Naryanpur.

A. For Road

Tamya

1. Damage Location/Chainage :
2. Damage Length : 67M
3. Nature of Damage : Due to flood & rain
4. Details of Restoration Works :
 - i. Material being used in Restoration works : - Bricks bats, sand Bag Hum
 - ii. Equipments/Tools being used in Restoration works : - Tector, Tolly
 - iii. Procedure taken up in Restoration works :
 - iv. Restored Length : 67M

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 of JE/AE/EE

Signature

(Name of Inspector)

प्रतिवेदन

कार्य का नाम :- ~~काँडा~~ भटौरा से नरायणपुर पथ

शीर्ष :- FDR

पथ की लं० :- 3.250 KM

प्राक्कलित राशि:- 7.548000/-

प्रखण्ड का नाम:- तरैया

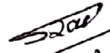
जिला-सारण।

प्रस्तुत प्राक्कलन शीर्ष MR-3054 Class-I अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा०का०वि०, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु०-7,54,800/- लाख के लिए तैयार किया गया है।

आवश्यकतानुसार तत्काल प्रभाव से पथों को चलने लायक बनाने हेतु प्राक्कलन में Bricks Bats, Sand Bag, Hume-Pipe इत्यादी का प्रावधान आवश्यक लम्बाई, चौड़ाई एवं मोटाई में प्राक्कलन के अनुसार प्रावधान किया गया है।

योजना एवं कार्य की महत्ता के साथ-साथ जनहित के लिए अतिउपयोगी प्राक्कलन को कार्यहित में स्वीकृति हेतु प्रस्तुत किया जा रहा है।


7.12.2020
A


07.12.2020
A. E.


8/12/20

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मढ़ौरा।

FDR

GENERAL ABSTRACT OF COST

Block: Taraiya

District:- Saran

Length of Road:- 3.250 KM

Name of Road:- Bhataura to Narayanpur

SL. No.	Amount
A ESTIMATED COST	: 7.548 Lacs
TOTAL	: 7.548 Lacs

[Signature]
7-12-2020
Junior Engineer

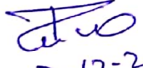
[Signature]
07.12.2020
Asstt. Engineer

[Signature]
8/12/20
Executive Engineer

SE
RWD

T/A for Rs 754800 = (Seven lakh fifty four thousand Eight hundred 100.)

[Signature]
10.12.20
S.E.

Name Of Road :-		Motorable of Road From Bhatgal Kali Asthan Se Bhatgal Prathmik Vidhyalaya Hote Hue Sukdev Vishwakarma Udhamprasth Vidhyalaya Talc		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	350.50	2153.51	754 805.46
				TOTAL COST =	
 7.12.2020 JE RWD  07.12.2020 AE RWD EE RWD					

ANNEXTURE

Name of Road: - Bhaitara to Narayampur

Block :- Taraiya

Description	Nos	Length	Width	Depth	Unit	Quantity (m ³)
1.825	1	6.00	5.00	1.50	cum	45.00
2180	1	8.00	6.00	1.50	cum	72.00
	1	5.00	3.00	1.00	cum	15.00
	1	7.00	1.50	1.00	cum	10.50
2200	1	16.00	6.00	1.00	cum	96.00
2900	1	10.00	6.00	1.50	cum	90.00
2930	1	15.00	1.50	1.00	cum	22.50

Total only: - 350.50 m³

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7-12-2020
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07.12.2020
A. E

E-E
R.W.D
Madhaura

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 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	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	Suplying 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)			322.27	
	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	