



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From Pokhrai To Lauwa		
DISTRICT	Saran		
BLOCK	Taraiya		
LENGTH OF ROAD	6.530	KM	
ESTIMATED COST	24.855	Lac	24.855 Lakh.

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - *EE RWD Works Division Marhaura*
2. Name of Block/Road - *Motorable of Road from Pokhrota to Lauwa*

A. For Road

1. Damage Location/Chainage : *0.800, 0.900, 1.200, 1.800, 2.100, 2.400, 2.450, 2.700, 3.000, 3.300, 3.500, 3.800, 4.100, 4.400, 4.700, 5.000, 5.300, 5.600, 5.900, 6.200, 6.500, 6.800, 7.100, 7.400, 7.700, 8.000, 8.300, 8.600, 8.900, 9.200, 9.500, 9.800, 10.100, 10.400, 10.700, 11.000, 11.300, 11.600, 11.900, 12.200, 12.500, 12.800, 13.100, 13.400, 13.700, 14.000, 14.300, 14.600, 14.900, 15.200, 15.500, 15.800, 16.100, 16.400, 16.700, 17.000, 17.300, 17.600, 17.900, 18.200, 18.500, 18.800, 19.100, 19.400, 19.700, 20.000, 20.300, 20.600, 20.900, 21.200, 21.500, 21.800, 22.100, 22.400, 22.700, 23.000, 23.300, 23.600, 23.900, 24.200, 24.500, 24.800, 25.100, 25.400, 25.700, 26.000, 26.300, 26.600, 26.900, 27.200, 27.500, 27.800, 28.100, 28.400, 28.700, 29.000, 29.300, 29.600, 29.900, 30.200, 30.500, 30.800, 31.100, 31.400, 31.700, 32.000, 32.300, 32.600, 32.900, 33.200, 33.500, 33.800, 34.100, 34.400, 34.700, 35.000, 35.300, 35.600, 35.900, 36.200, 36.500, 36.800, 37.100, 37.400, 37.700, 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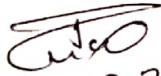
प्रतिवेदन

कार्य का नाम :- Motorable of Road from Pokhraina To Lauwa
शीर्ष :- FDR
प्राक्कलित राशि :- 24.855 Lacs
प्रखण्ड का नाम :- Tarwaing जिला-सारण।

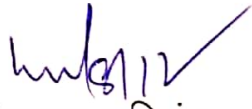
प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु0 24.855 Lacs 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।


4.12.2020
Gr


04.12.2020
A. E.


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

FDR

GENERAL ABSTRACT OF COST

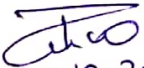
Block:- Taraiya

District:- Saran

Length of Road:- 6.530 KM

Name of Road:- Motorable of Road From Pokhraiya To Lauwa

SL. No.	Amount
A ESTIMATED COST	: 24.855.701 Lacs
TOTAL	: 24.855.701 Lacs


4.12.2020
Junior Engineer

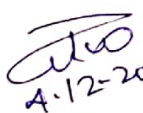
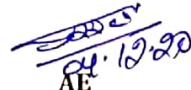

10/12/20
Asstt. Engineer


Executive Engineer

SE
RWD

T.A for Rs - 24.855 Lacs (Twenty four Lacs Eighty five thousand Five hundred only)


31.12.20
अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा

Name Of Road :-		Motorable of Road From Pokhraira To Lauwa		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	1154.15	2153.51	2485474.3
				TOTAL COST =	2485474.3
 4.12.2020 JE RWD  4.12.2020 AE RWD  EE RWD					

ANNEXTURE-1

Name Of Road :- Motorable of Road From Pokhrai To Lauwa							Block:- Taraiya
Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	CH- 800 M	1	6.00	5.00	0.75	CUM	22.50 m3 ✓
2	CH- 900 M	1	16.00	4.00	0.60	CUM	38.40 m3 ✓
3	CH- 1200 M	2	4.00	6.00	2.00	CUM	96.00 m3 ✓
4	CH- 1200 M	4	2.00	2.00	1.50	CUM	24.00 m3 ✓
5	CH- 1800 M	4	5.00	2.00	1.00	CUM	40.00 m3 ✓
6	CH- 2100 M	1	4.00	5.00	1.50	CUM	30.00 m3 ✓
7	CH- 2100 M	4	3.00	1.00	1.00	CUM	12.00 m3
8	CH- 2400 M	1	3.00	5.00	1.50	CUM	22.50 m3
9	CH- 2450 M	1	10.00	5.00	2.50	CUM	125.00 m3
10	CH- 2450 M	2	10.00	2.50	1.00	CUM	50.00 m3
11	CH- 2450 M	1	5.00	5.00	1.25	CUM	31.25 m3
12	CH- 2700 M	1	2.50	4.00	1.00	CUM	10.00 m3
13	CH- 2700 M	2	5.00	1.50	0.75	CUM	11.25 m3
14	CH- 3000 M	1	5.00	5.00	1.25	CUM	31.25 m3
15	CH- 3050 M	1	40.00	2.00	1.50	CUM	120.00 m3
16	CH- 3050 M	1	4.00	3.00	1.50	CUM	18.00 m3
17	CH- 3.100 M	1	15.00	5.00	2.50	CUM	187.50 m3
18	CH- 3300 M	1	10.00	1.00	1.00	CUM	10.00 m3
19	CH- 5100 M	1	10.00	5.00	2.50	CUM	125.00 m3
20	CH- 5100 M	1	3.00	4.00	1.00	CUM	12.00 m3 ✓
	2nd Time Flood						
1	CH- 2450 M	1	10.00	5.00	1.50	CUM	75.00 m3
2	CH- 3.100 M	1	15.00	5.00	1.50	CUM	150.00 m3
TOTAL QUANTITY =							1154.15

1154.15 m3

4.12.2020
JE
RWD

4.12.20
AE
RWD

4.12
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/L.				
	Unit:-Per Cum				
	Taking Output =2.832 Cum				
	Unskilled Mazdoor				
	Add 6% Overhead Charge	Nos.	3	287.00	861.00
	Rate for 2.832 Cum				51.66
	Rate Per Cum(Rs.)=				912.66
					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 frontloader, 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)	Per Cum		1017.00	1017.00	
A	Basic Rate of Brick Bats		0.06		61.02	
	Add overhead Charges 6%				1078.02	
	Total-					
	Surface Lead	km	7.00			
	Unsurface Lead	km	1.00			
	Factor (3.6/2.25)	cum	1.60			
B	Carriage (with OH)				410.07	
	(1.6 x 7 x 17.25) + (1.6 x 1 x 21.55) + 182.39					
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	