



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From . PACHRAUR TO BHATGAI		
DISTRICT	Saran		
BLOCK	TARAIYA		
LENGTH OF ROAD	4.020	KM	
ESTIMATED COST	32.95	Lac	

Inspection Report for Flood damage work

Date:

1. Name of PIUs- E.E RWD WORKS Division MAYHAURA

2. Name of Block/Road- Motorable OF Road FROM PACH RAUR TO Bhatga

A. For Road

1. Damage Location/Chainage : CH-100 to 1220
2. Damage Length : 126 m + Side Cutting.
3. Nature of Damage : Flood damage Full Cut of Road
4. Details of Restoration :
i Material being used in Restoration works : Brick bats Butts
ii Equipment/Tools being used in Restoration works: Tractor
iii Procedure taken up in Restoration works :
iv Restored Length :

B. For Bridge

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

11/12/2020
Signature of JE/AE/EE

14/12/2020
Signature

(Name of Inspector)

Scanned by CamScanner

प्रतिवेदन

कार्य का नाम :- पचरौड़ से भदगाई पथ।

शीर्ष :- FDR

प्राक्कलित राशि:- 32.75 लाख।

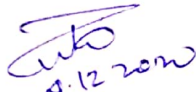
प्रखण्ड का नाम:- तरैया।

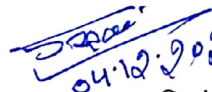
जिला-सारण।

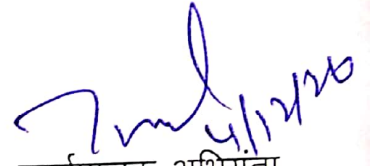
प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु0 32.750 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।


4.12.2020
कनीय अभियंता,


04.12.2020
सहायक अभियंता


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

FDR

GENERAL ABSTRACT OF COST

Block: Taraiya

District: Saran

Length of Road:- 4.020 KM

Name of Road:- Pachraur To Bhatgai

Sl. No.	Amount
A ESTIMATED COST	32.950 Lakh
TOTAL	32.950 Lakh

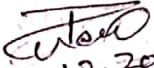
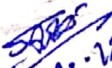
[Signature]
4.12.2020
Junior Engineer

[Signature]
24.12.2020
Asstt. Engineer

[Signature]
Executive Engineer

T/A for Rs 32950 = . (Thun + two + four + one) = 32950

[Signature]
10.12.20
SE
RWD

Name of Road :-		Mileage of Road From Bhataraj Road to Hare Subdev Vajhwarkarna Prathmik Vidhyalaya Utharpara Vidhyalaya 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	1530.05	2153.51	3294978.00
TOTAL COST =					3294978.00
 4.12.2020 JE RWD  04.12.2020 RWD  EE RWD					

NAME OF ROAD :- PACHRAUR TO BHATGAI
Block :- TARAIYA.

ANNEXTURE

FOR BRICK BATS FILLING.

No	Location/ Chargage	No	Length	Width	Depth	Unit	Qty	Remarks
1st time								
1.	100	1	20.00	1.20	1.50	Cum	36.00	
2	100	1	20.00	2.50	3.00	Cum	150.00	
3	195	1	15.00	1.00	1.00	Cum	15.00	
4	280	1	20.00	0.600	1.25	Cum	15.00	
5	300	1	13.00	1.20	1.25	Cum	19.50	
6	315	1	15.00	1.25	1.25	Cum	18.75	
7.	465	1	2.00	1.00	1.00	Cum	2.00	
8.	540	1	25.00	0.600	0.750	Cum	11.25	
9.	590	2	5.00	1.00	1.25	Cum	12.50	
10	600	1	5.00	0.600	0.600	Cum	1.80	
11	610	1	12.00	5.00	1.50	Cum	90.00	
12	710	2	15.00	1.00	1.00	Cum	30.00	
13.	778	1	6.00	2.50	0.300	Cum	4.50	
14.	800	1	6.00	3.00	0.600	Cum	10.80	
15.	856	1	3.00	3.00	0.450	Cum	4.05	
16	1000	1	5.00	4.00	0.600	Cum	12.00	
17	1060	1	15.00	1.00	1.00	Cum	15.00	
18	"	1	10.00	1.50	1.50	Cum	22.50	
19	"	1	12.00	1.00	1.25	Cum	15.00	
20	1080	1	16.00	5.00	2.50	Cum	200.00	
21	" "	1	7.00	1.00	1.00	Cum	7.00	
22	1116	1	20.00	1.10	1.25	Cum	27.50	
23	1150	1	5.00	1.00	0.600	Cum	3.00	
24	" "	1	6.00	4.00	0.600	Cum	14.40	
25	1200	1	13.00	5.00	1.50	Cum	97.50	
26	1220	1	15.00	6.00	2.00	Cum	180.00	
2nd time								
27.	610	1	15.00	5.00	2.00	Cum	150.00	
28.	1200	1	13.00	5.00	2.00	Cum	130.00	
29	1220	1	15.00	6.00	2.50	Cum	225.00	

Total = 1530.05 M³

4.12.2020
J.E

04.12.2020
A.E

E.E
R.W.D. Machhaura

Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
6.6.1 WRD Bihar	Labour for dry graded jhama khca 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	219.84
	b) Overhead Charges @ 0.08 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 @ 0.08 on (a)				43.92
	Cost for 36 t.km = (a+b+c)/36				775.87
	Rate per t.km = (a+b+c)/36				21.55
	Say RS.-				21.55

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 1 cum 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				
	Male	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				410.39
	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)				
	$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 21.55) \times 182.39$				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 Cost (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