



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From Panapur To Satjora		
DISTRIC	Saran		
BLOCK	Panapur		
LENGTH OF ROAD	7.000	KM	
ESTIMATED COST	36.108	Lac	36.108 Lac

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - EE Ruid (W) Division Markanwa

2. Name of Block/Road - Panapur

A. For Road

Motorable of Road from Panapur
To Satgora

1. Damage Location/Chainage :
2. Damage Length : 233m
3. Nature of Damage :
4. Details of Restoration Works : Brick Bats, sand Bag, Alum pipe
 - i. Material being used in Restoration works :
 - ii. Equipments/Tools being used in Restoration works : - Tractor, Pully.
 - iii. Procedure taken up in Restoration works :
 - iv. Restored Length : 233m

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 of JE/AE/EE

Signature

(Name of Inspector)

प्रतिवेदन

कार्य का नाम :- पानापुर से सतजीरा

शीर्ष :- FDR

पथ की लं० :- ७ KM

प्राक्कलित राशि:- 36,10,800/-

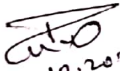
प्रखण्ड का नाम:- पानापुर

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 रु०-36-10800/- 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।


१.12.2020
62


04/12/2020
AE



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

FDR

GENERAL ABSTRACT OF COST

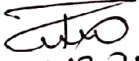
Block:- Panapur


District:- Saran

Length of Road:- 7.000 KM

Name of Road:- Motorable of Road From Panapur To Satjora

SL. No.	Amount
A ESTIMATED COST	: 36.108 Lac.
TOTAL	: 36.108 Lac.



4.12.2020
Junior Engineer

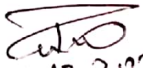


04/12/2020
Asstt. Engineer

Executive Engineer

SE
RWD

T/A for Rs 36 10800 (Thirty Six lakh ten thousand)
Eight hundred only


10.12.20
S.E

Name Of Road :-		Motorable of Road From Panapur To Satjora		Block:-	Panapur
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	1676.70	2153.51	3610790.00
				TOTAL COST =	3610790.00
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  4.12.2020 JE RWD </div> <div style="text-align: center;">  04/12/2020 AE RWD </div> <div style="text-align: center;"> EE RWD </div> </div>					

ANNEXTURE-1

Name Of Road :- Motorable of Road From Panapur To Satjora

Block:- Panapur

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
	1st Time Flood						
1	CH-0.200 km	1	60.00	5.00	1.50	CUM	450.00 m3
2	CH-0.800 km	1	20.00	1.00	1.00	CUM	20.00 m3
3	CH-1.300 km	1	10.00	1.25	1.00	CUM	12.50 m3
4	CH-1.400 km	1	28.00	5.00	3.25	CUM	455.00 m3
5	CH-1.500 km	1	10.00	5.00	0.50	CUM	25.00 m3
6	CH-1.650 km	1	10.00	1.00	1.00	CUM	10.00 m3
7	CH-3.100 km	1	10.00	4.00	0.60	CUM	24.00 m3
8	CH-3.500 km	1	20.00	4.00	1.00	CUM	80.00 m3
	2nd Time Flood						
1	CH-1.400 km	1	30.00	5.00	2.50	CUM	375.00 m3
TOTAL QUANTITY =							1676.70 m3

4.12.2020

JE
RWD

04/12/2020
AE
RWD

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, 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)				410.07
	$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 21.55) + 182.39$				
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