



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From Panapur-Pokhraira Bakwa Dhanauti Masharakh Path		
DISTRIC	Saran		
BLOCK	Panapur		
LENGTH OF ROAD	9.780	KM	
ESTIMATED COST	28.202	Lac	

प्रतिवेदन

कार्य का नाम :- पानापुर-पोखरैरा बकवा धनौती मशरख पथ।

शीर्ष :- FDR

प्राक्कलित राशि:-28.2020 लाख।

प्रखण्ड का नाम:- पानापुर

पथ की लम्बाई:-9.780 कि०मी०

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 (Motorable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा०का०वि०, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु० 28.202 लाख. के लिए तैयार किया गया है।

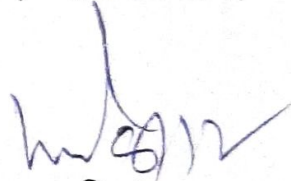
आवश्यकतानुसार तत्काल प्रभाव से पथों को चलने लायक बनाने हेतु प्राक्कलन में Bricks Bats, Sand Bag, Hume-Pipe इत्यादी का प्रावधान आवश्यक लम्बाई, चौड़ाई एवं मोटाई में प्राक्कलन के अनुसार प्रावधान किया गया है।

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

सहायक अभियंत



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

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - EE RWD WORKS DIVISION Mathura
2. Name of Block/Road - Motorable rd from Panapur Pokhrai
Makwa Phantauti Matharakh path

A. For Road

1. Damage Location/Chainage : 3.520, 3.730, 3.850, 3.880, 6.080, 6.280
9.030, 9.070, 3.730, 3.880, 6.280
2. Damage Length : 221 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, Tractor, Roller, Trail
 - iii. Procedure taken up in Restoration works : Brick Bats
 - iv. Restored Length : 221 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 of JE/AE/EE

Signature

(Name of Inspector)

FDR

GENERAL ABSTRACT OF COST

Block:- Panapur

District:- Saran

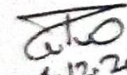
Length of Road:-

9.780 KM

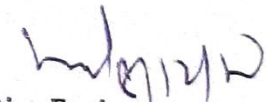
Name of Road:-

Motorable of Road From Panapur-Pokhrai Bakwa Dhanauti Masharakh Path

SL. No.	Amount
A ESTIMATED COST	28.202 Lacs
TOTAL	28.202 Lacs


4.12.2020
Junior Engineer


21/12/2020
Asstt. Engineer

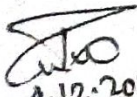

Executive Engineer

TA for Rs 28.202 Lacs (Twenty eight Lacs Twenty thousand two hundred only)

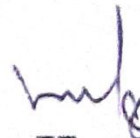
SE
RWD


31.12.20

Name Of Road :-		Motorable of Road From Panapur-Poldhrai's Balewa Dhanauti Masharakh Path		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	1299.25	2153.51	2797941.83
	Providing and laying reinforced cement concrete 1000 mm dia NP3 pipe.	RM	5.00	4452.81	22264.03
				TOTAL COST =	28,20,205.86


 4.12.2020
 JE
 RWD


 04/12/2020
 AE
 RWD


 8/12/20
 EE
 RWD

ANNEXTURE-1

Name Of Road :- Motorable of Road From Panapur-Pokhrakra Bakwa Dhanauti Masharakh Path							Block:- Panapur
Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
	1st Time Flood						
1	CH-3.520 km	2	10.00	1.00	1.00	CUM	20.00 m3
2	CH-3.730 km	1	18.00	4.50	2.00	CUM	162.00 m3
3	CH-3.850 km	1	12.00	5.00	1.50	CUM	90.00 m3
4	CH-3.880 km	1	17.00	4.50	2.50	CUM	191.25 m3
5	CH-6.080 km	1	4.00	1.50	1.00	CUM	6.00 m3
6	CH-6.280 km	1	40.00	4.50	2.00	CUM	360.00 m3
7	CH-9.030 km	1	20.00	5.00	0.30	CUM	30.00 m3
8	CH-9.070 km	1	25.00	5.00	0.60	CUM	75.00 m3
	2nd Time Flood						
1	CH-3.730 km	1	20.00	5.00	1.00	CUM	100.00 m3
2	CH-3.880 km	1	20.00	4.50	1.00	CUM	90.00 m3
3	CH-6.280 km	1	35.00	5.00	1.00	CUM	175.00 m3
TOTAL QUANTITY =							1299.25 m3

JE
RWD

AE
RWD

EE
RWD

Analysis for Carriage by Road & Rail
Motorable of Road From Panapur-Pokhrakra Bakwa Dhanauti Masharakh Path
Block :- Panapur

Name of Road:-
District:-

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km			Loading & Unloading Cost	Carriage Cost by Rail Head	Total	Min Total
				Pucka / Surface	Katcha					
6	Hume Pipe (1000 mm)	m	Hazipur	8.00 x 7.52 x 82.00 Km = Rs 493.31	8.00 x 18.19 x 0.00 Km = Rs 0.00		76.58			Rs. 569.89
7	Hume Pipe (600 mm)	m	Hazipur	8.00 x 7.52 x 82.00 Km = Rs 197.32	8.00 x 18.19 x 0.00 Km = Rs 0.00		32.82			Rs. 230.14

Cost of Haulage Excluding Loading & Unloading as per SO aa

* Subjected to Verification of Lead

Type of Road	Per Ton. Km by Tipper	Per Ton. Km by Truck
For Surface Road	8.40	7.52
Unsurface Gravel Road	10.10	9.04
Kachha Road	20.30	18.19

JE
RWD

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 knoa 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 5% 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