



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From Sangrampur O.P. Se Manjhopur Purana Chabutra Tak.		
DISTRIC	Saran		
BLOCK	Taraiya		
LENGTH OF ROAD	1.600	KM	
ESTIMATED COST	14.035	Lac	

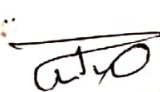
प्रतिवेदन

कार्य का नाम :- Motorable of Road from Sangrampur D.P. se
शीर्ष :- FDR Manjhopur Purana Chabutra Tak
प्राक्कलित राशि :- 14.035 Lac
प्रखण्ड का नाम :- Taraiya जिला-सारण।

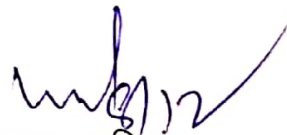
प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motorable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में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


04.12.2020
A.E.


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 of Road 140m Sangrampur o.p.
se manghopur purana chabutra Tank

A. For Road

1. Damage Location/Chainage : 0.450, 0.850, 1.020, 1.250, 1.330, 1.330 km
2. Damage Length : 64 m
3. Nature of Damage : Flood
4. Details of Restoration Works :
i. Material being used in Restoration works : Brick Pats and sand
ii. Equipments/Tools being used in Restoration works : J.C.B, Tractor, Rotar, Trally
iii. Procedure taken up in Restoration works :
iv. Restored Length : 64 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
8.12.2020

Signature
8.12.2020

(Name of Inspector)

FDR

GENERAL ABSTRACT OF COST

Block:- Taraiya

District:- Saran

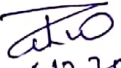
Length of Road:-

1.600 KM

Name of Road:-

Motorable of Road From Sangrampur O.P. Se Manjhopur Purana Chabutra Tak.

SL. No.	Amount
A ESTIMATED COST	: 14.035 Lacs
TOTAL	: 14.035 Lacs


4.12.2020
Junior Engineer

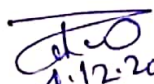

84.12.20
Asstt. Engineer


Executive Engineer

T.A for Rs. 14.035 Lacs (fourteen lacs three thousand five hundred only)

SE 
RWD 31.12.22
अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा

Name Of Road :-		Motorable of Road From Sangrampur O.P. Se Manjhopur Purana Chabutra 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	651.75	2153.51	1403547.11
				TOTAL COST =	14,03,547.11

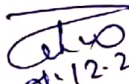

4.12.2020
JE
RWD


04.12.20
AE
RWD

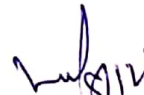

EE
RWD

ANNEXTURE-1

Name Of Road :- Motorable of Road From Sangrampur O.P. Se Manjhopur Purana Chabutra Tak.							Block:- Taraiya
No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	CH-0.150 Km	1	15.00	5.00	1.25	CUM	93.75 m3
2	CH-0.850 Km	1	12.00	5.00	2.50	CUM	150.00 m3
3	CH-1.020 Km	1	15.00	5.00	3.00	CUM	225.00 m3
4	CH-1.250 Km	2	2.00	6.00	2.00	CUM	48.00 m3
5	CH-1.330 Km	1	5.00	6.00	2.50	CUM	75.00 m3
6	CH-1.330 Km	1	20.00	1.50	2.00	CUM	60.00 m3
TOTAL QUANTITY =							651.75 m3


4.12.2020
JE
RWD


4.12.20
AE
RWD


4.12.20
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 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					
ii) Loading by front end loader 1cum bucket @ capacity 25 cum per hour					
iii) Maneuvering, reverse, dumping and turnig for return					
iv) Wating time, unforeseen Contingencies etc.					
Total					
a) Labour					
Mate					
Mazdoor for loading and unloading					
b) Machinery					
Tractor 3.60 tonnes capacity					
Front end loader 1 cum bucket capacity @ 25 cum/hour					
c) Overhead charges @ 0.06 on (a+b)					
Cost for 2.25 cum = a+b+c+d					
Cost for 2.25 cum = (a+b+c+d)/2.25					
Note- Unloading will be done manually.					
1 Supplying for Brick Bats (With OH)					
A Basic Rate of Brick Bats					
Add overhead Charges 6%					
Total-					
Surface Lead					
Unsurface Lead					
Factor(3.6/2.25)					
B Carriage (with OH)					
(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)					
Total (A+B+C)-					
Add 1% Labour Cess (A+B+C)					
Add 12% GST(A+B+C)					
Add 10% cost of Material for seigniorage Fee					
Total Cost per Cum					