

Date:
1. Name of PIUs-

Inspection Report for flood damage work

EE RWD (W) Division, Marhaura

2. Name of Block/Road-

Tamra

A. For Road

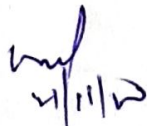
1. Damage Location/Chainage : Motorable of Road from Shahmawgpur to Rajshahi
2. Damage Length : - 3.250 KM to 5.785 KM & 2.750 KM to 5.750 KM
3. Nature of Damage : - 448.50 M
4. Details of Restoration : - Cut in Road due to flood & rain
i Material being used in Restoration - Brick Bats
ii Equipment/Tools being used in Restoration works: - Tactor Roller
iii Procedure taken up in Restoration works : - Brick Bats
iv Restored Length : - 448.50 KM

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 :


21.12.2020

Signature of JE/AE/EE


21/12/20


Signature

(Name of Inspector)



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK

Motorable of Road From Shahnawajpur To Rajdhani

DISTRIC

Saran

BLOCK

Taraiya

LENGTH OF ROAD

8.967

KM

ESTIMATED COST

59.453

Lac

FDR

GENERAL ABSTRACT OF COST

Block:- Taraiya

District:- Saran

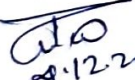
Length of Road:-

8.967 KM

Name of Road:-

Motorable of Road From Shahnawajpur To Rajdhani

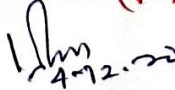
SL. No.	Amount
A ESTIMATED COST	: 59.453 Lacs
TOTAL	: 59.453 Lacs


2.12.2020
Junior Engineer


04.12.20
Asstt. Engineer


Executive Engineer

Technically approved for Rs 5945300 (Fifty nine lacs forty five thousand three hundred / 00).


4-12-20
अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा

Name Of Road :-		Motorable of Road From Shalinawajpur To Rajdhani		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	2760.75	2153.51	5945289.90
				TOTAL COST =	59,45,289.90


4.12.2020
JE
RWD


04.12.2020
AE
RWD


7/12/20
EE
RWD

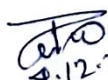
ANNEXTURE-1

Name Of Road :- Motorable of Road From Shahnawajpur To Rajdhani

Block:- Taraiya

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	1st Tome Flood						
2	CH-3.250 Km	1	7.00	5.00	2.00	CUM	70.00 m3
3	CH-3.250 Km	1	5.00	5.00	1.00	CUM	25.00 m3
4	CH-3.350 Km	1	6.00	2.00	1.50	CUM	18.00 m3
5	CH-3.350 Km	1	15.00	5.00	2.00	CUM	150.00 m3
6	CH-3.350 Km	1	10.00	5.00	2.00	CUM	100.00 m3
7	CH-3.350 Km	1	14.00	5.00	2.00	CUM	140.00 m3
8	CH-3.350 Km	1	6.00	5.00	1.00	CUM	30.00 m3
9	CH-3.450 Km	1	7.00	1.00	1.00	CUM	7.00 m3
10	CH-3.600 Km	1	2.00	6.00	1.00	CUM	12.00 m3
11	CH-3.675 Km	1	12.00	5.00	2.50	CUM	150.00 m3
12	CH-3.700 Km	1	18.00	1.00	1.50	CUM	27.00 m3
13	CH-3.925 Km	1	15.00	1.00	1.00	CUM	15.00 m3
14	CH-3.950 Km	1	10.00	1.00	1.00	CUM	10.00 m3
15	CH-3.950 Km	1	2.50	5.00	1.00	CUM	12.50 m3
16	CH-4.100 Km	1	10.00	1.00	0.60	CUM	6.00 m3
17	CH-4.100 Km	1	10.00	4.50	1.50	CUM	67.50 m3
18	CH-4.200 Km	1	5.00	5.50	2.00	CUM	55.00 m3
19	CH-4.200 Km	1	12.00	1.00	0.75	CUM	9.00 m3
20	CH-4.250 Km	1	20.00	1.25	1.00	CUM	25.00 m3
21	CH-4.350 Km	1	18.00	1.25	1.00	CUM	22.50 m3
22	CH-5.100 Km	1	30.00	1.00	1.00	CUM	30.00 m3
23	CH-5.100 Km	1	15.00	5.00	1.75	CUM	131.25 m3
24	CH-5.400 Km	1	25.00	1.00	1.00	CUM	25.00 m3
25	CH-5.600 Km	2	15.00	1.00	1.50	CUM	45.00 m3
26	CH-5.600 Km	1	20.00	5.00	2.50	CUM	250.00 m3
27	CH-5.650 Km	1	5.00	5.00	1.00	CUM	25.00 m3
28	CH-5.650 Km	1	5.00	4.50	1.50	CUM	33.75 m3
29	CH-5.690 Km	1	4.00	4.00	1.00	CUM	16.00 m3
	CH-5.690 Km	1	32.00	1.00	1.50	CUM	48.00 m3

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
30	CH-5.750 Km	1	26.00	5.00	1.50	CUM	195.00 m3
31	CH-5.750 Km	1	7.00	5.00	1.00	CUM	35.00 m3
32	CH-5.750 Km	1	10.00	5.00	1.50	CUM	75.00 m3
33	CH-5.785 Km	1	28.00	1.50	1.20	CUM	50.40 m3
	2nd Time Flood						
1	CH-2.750 Km	1	25.00	4.50	1.00	CUM	112.50 m3
2	CH-2.750 Km	1	7.00	4.50	1.50	CUM	47.25 m3
3	CH-3.250 Km	1	4.00	4.00	1.00	CUM	16.00 m3
4	CH-3.250 Km	1	5.00	4.50	1.00	CUM	22.50 m3
5	CH-3.350 Km	1	6.00	2.00	1.25	CUM	15.00 m3
6	CH-3.350 Km	1	12.00	4.50	1.00	CUM	54.00 m3
7	CH-3.350 Km	1	10.00	4.50	1.00	CUM	45.00 m3
8	CH-3.350 Km	1	9.00	4.50	1.00	CUM	40.50 m3
9	CH-3.350 Km	1	6.00	4.50	1.00	CUM	27.00 m3
10	CH-3.450 Km	1	7.00	2.00	1.50	CUM	21.00 m3
11	CH-3.675 Km	1	15.00	5.00	1.50	CUM	112.50 m3
12	CH-3.700 Km	1	19.00	2.50	1.50	CUM	71.25 m3
13	CH-3.925 Km	1	13.00	1.50	1.00	CUM	19.50 m3
14	CH-5.100 Km	1	15.00	5.00	1.00	CUM	75.00 m3
15	CH-5.600 Km	2	8.00	1.50	1.50	CUM	36.00 m3
16	CH-5.600 Km	1	13.00	6.00	1.20	CUM	93.60 m3
17	CH-5.650 Km	1	5.00	5.50	1.50	CUM	41.25 m3
18	CH-5.750 Km	1	18.00	5.00	1.50	CUM	135.00 m3
19	CH-5.750 Km	1	10.00	5.00	2.00	CUM	100.00 m3
TOTAL QUANTITY =							2760.75 m3


 4.12.2020
 JE
 RWD


 04.12.20
 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				
	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, 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)					
	(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)					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	