

Inspection Report For Flood Damage Work

Date:

1. Name of PIU - E.E.R. (W.D.) Marhaura
2. Name of Block/Road - Marhaura - Motorable road in Gaura Shingari
Bhisi Se Rajpur Tola.

A. For Road

1. Damage Location/ Chainage :- 0.110, 0.220, 0.450
2. Damage Length :- 0.047 km.
3. Nature of Damage :- Ditch due to flood.
4. Details of Restoration :-
I. Materials being used in restoration : Bricks, local sand.
II. Equipment/Tools being used in restoration works : Trowel, Roller, JCB, Trolley.
III. Procedure taken up in Restoration works : Laying of Speedy Road Cement.
IV. Restored Length : 0.078 km.

B. For Bridge

1. Damage Location/ Chainage :-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration :-
I. Materials being used in restoration :
II. Equipment/Tools being used in restoration works :
III. Procedure taken up in Restoration works :
IV. Restored Length :

Signature of AE/JE/EE

Executive Engineer
Rural Works Department
Works Division, Marhaura

Signature

(E) Akhilesh Kumar
(Name of Inspector)
EE

RWD (W) - SONEPUR

FDR(2021-2022)
प्रतिवेदन

पथ का नाम:- Gaura Shivganj Bhisti Se Rajput Tola
पथ की लम्बाई:- 2.725 KM.
पथ के क्षतिग्रस्त भाग की लम्बाई:-
प्रखंड:-मदौरा जिला :-सारण
प्रमंडल:-ग्रामीण कार्य विभाग कार्य प्रमंडल,मदौरा
अंचल:-ग्रामीण कार्य विभाग कार्य अंचल,छपरा
प्राक्कलित राशि:- 535218 रु

प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टिसे क्षतिग्रस्त पथो के मोटरबल कार्य हेतु कुल रुपये 535217.986 लाख मात्र के लिए तैयार किया गया है। विदित है की गत जून

महीने से सितम्बर अक्टूबर महीने तक लगातार अन्तराल पर जिला क्षेत्र अंतर्गत असामयिक रूप से पथ क्रस्ट काफी क्षतिग्रस्त हो गया जिससे पथो पर आवागमन बुरी प्रभावित हो गया। ऐसी परिस्थिति में पथो पर आम जनता को सुलभ आवागमन प्रदान करने हेतु विभागीय उच्चाधिकारियोंसे प्राप्त आदेश एवं इस संबंधमें विभाग से निर्गत दिशा निर्देश के अलोक में तत्काल प्रभाव से प्रभावित पथो में कटाव/क्षतिग्रस्त भाग में अवश्यकतानुसार Brick Bats भरकर चलने लायक बनाया गया है।

इस प्रकार कटाव/क्षतिग्रस्त भाग में अवश्यकतानुसार Brick Bats इत्यादि मदों का प्रावधान करते हुए प्राक्कलन कुल रुपये 535217.986 लाख का तैयार किया गया है जो कार्य हित में आवश्यक एवं जनपयोगी है।

प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है, जिस पर स्वीकृति अपेक्षित है। प्राक्कलन में संविदेस मदों की मात्रा एवं दर की जांच की गयी है जो सही है जो व्यय के अग्रहण है।



कनीय अभियंता



सहायक अभियंता



कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- arhaura

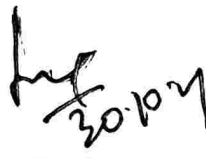
District:- Saran

Length of Road:- 2.725 KM

Name of Road:- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Gaura Shivganj Bhisti Se Rajput Tola

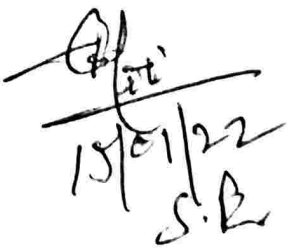
Sl. No.	Item of Work	Amount
A	TOTAL COST :	5.352 Lacs
	TOTAL :	5.352 Lacs


30/10/21
Junior Engineer


30.10.21
Asstt. Engineer


Executive Engineer

T/S. for Rs. 5.352/- Lacs.
(Papars. five lacs. thirty five thousand
two hundred) only.


15/01/22
S.E.
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

Name Of Road :-		Estimate for Repair of Road Breaches (Damage By Flood) For Motorable Work in Gaura Shivganj Bhisti Se Rajput Tola					
Sl. No.	SDB SL NO	MORD Ref.No	Description	Unit	NOS	Block :-	
						Marhaura	DISTRICT:- Saran
						LENGTH	HEIGHT QUANTITY RATE
							AMOUNT (in Rs.)
1	8.1.3.2 (iii)		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 (For Brick Bats)	Cum			174.06 2,300.58 4,00,440.00
2			Local Sand For Voids Filling Filling and Spreading local sand over brick bats as per drawing and technical specification clause 305.3.9 Quantity As Per Annexure-2 (For Local Sand)	Cum			6.76 652.27 4,409.00
3			Sand Bages (A) Labour of fillin new E.C bags with local sand (Volume of filled bag 1.2 cft and weight 50 kg) stching on two lines by approved nylon thread with stitching machine & generators stacking the bags and placing in nylon crate of size (1m x 1m 1m) with a lead of 150 m including supply of nylon thread etc placing the filled crates in water protion within a lead of 30m all complete as per approved design specification and direction of E/I (5.7.39.3 & 5.7.49) New EC bags carriages of local sand by boat 1/2 km lead	cum	1	10.00	1.70 2.60 44.2
				cum	1	4.00	1.00 2.60 10.4
				cum	1	17.00	1.80 2.60 79.56
				cum	1	16.00	1.00 2.60 41.6
			Total Quantity=				175.76 644.06 1,13,199.99
			Quantity As Per Annexure-3 (For Sand Bag)	cum			

Sl. No.	SDB SL. NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
4	A		Supply For Bamboo Vertical Bamboo Runners		25	x	3.50	=	87.50		
					20	x	3.00	=	60.00		
					147.50	/	6.00	=	147.50		
			Chachari		208	x	No.	=	24.58		
					0.00	/	2.00	=	25.00		
							1.413	=	0.00		
							No.	=	0.00		
			Total					=	25.00		
			5% Add Westage					=	1.00		
5	5.7.7		Bamboo Piles						26.00	141.00	3,666.00
			Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete job as per								
			Vertical Bamboo			45	x	3.5	157.50		
								M	157.50	15.44	2,431.00
6	5.7.8		Bamboo Waven Chachari								
			Labour for fitting and fixing split bamboo woven chachari inn position with 20 swg G.I. wire or 75 mm to 100 mm long	M		45	x	2.00	90.00	34.82	3,134.00
7	5.7.9		Bamboo Runers								
			Labour for fitting and fixing 62 mm to 75 mm dia bamboo runers in position at every vertical pile with 150 mm long		3	x	45	x	0.075	10.13	976.00
			Fitting & Fixing			25	x	3.00	75.00	96.37	
			For Vertical Bamboo	M					10.13		
			Bamboo for Runner						0.00		
			Bamboo for sty Chachari						1125.00		
			Bamboo For Chachari	1	x	45	x	25	1210.13	5.75	6,962.00
			Total Bamboo							TOTAL COST IN RS.=	5,35,217.99

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ANNEXTURE-1**Name Of Road :-** Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Gaura Shivganj Bhisti Se Rajput Tola**Block:-** Marhaura

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)Av.	HEIGHT (m)Av.	UNIT	QUANTITY
1	CH-1300 M	1	10.00	1.70	2.50	CUM	42.50 m3
2	"	1	4.00	1.00	2.60	CUM	10.40 m3
3	"	1	17.00	1.80	2.60	CUM	79.56 m3
4	"	1	16.00	1.00	2.60	CUM	41.60 m3
TOTAL QUANTITY FOR BRICK BATS=							174.06 m3

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ANNEXTURE-2**Name Of Road :-** Estimate for Repair of Road Breaches (Damage By Flood) For
Motarable Work in Gaura Shivganj Bhisti Se Rajput Tola**Block:-** Marhaura

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)Av.	HEIGHT (m)	UNIT	QUANTITY
1	CH-1300 M	1	10.00	1.70	0.10	CUM	1.70 m3
2	"	1	4.00	1.00	0.10	CUM	0.40 m3
3	"	1	17.00	1.80	0.10	CUM	3.06 m3
4	"	1	16.00	1.00	0.10	CUM	1.60 m3
TOTAL QUANTITY FOR LOCAL SAND =							6.76 m3

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Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	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/L.				
	Unit -Per Cum				
	Taking Output =2 832 Cum				
	Unskilled Mazdoor	Nos	3	304.00	912.00
	Add 6% Overhead Charge				54.72
	Rate for 2 832 Cum				966.72
	Rate Per Cum(Rs.)=				341.36
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	652.00	434.88
	Time Taken For empty return trip	hour	0.400	652.00	260.80
	b) Overhead Charges @0.06 on (a)				41.74
	Cost for 36 t km=(a+b+c)/36				737.43
	Say RS.-				20.48
	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	652.00	543.12
	Time Taken For empty return trip 0.50	hour	0.500	652.00	326.00
	b) Overhead Charges @0.06 on (a)				52.15
	Cost for 36 t km=(a+b+c)/840.34				921.26
	Rate per t.km = (a+b+c)/3623.34				25.59
	Say RS.-				25.59

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

316.00

9.48

Mazdoor for loading and unloading

Day

0.72

304.00

218.88

b) Machinery

Tractor 3.60 tonnes capacity

hour

0.10

652.00

65.20

Front end loader 1 cum bucket capacity @ 25 cum/hour

hour

0.08

#####

265.68

c) Overhead charges @ 0.06 on (a+b)

33.55

Cost for 2.25 cum = a+b+c+d

592.80

Cost for 2.25 cum = (a+b+c+d)/2.25

263.47

Note- Unloading will be done manually.

1 Supplying for Brick Bats (With OH)

A Basic Rate of Brick Bats

Per Cum

#####

1006.00

Add overhead Charges 6%

0.06

60.36

Total-

1066.36

Surface Lead

km

7.00

Unsurface Lead

km

1.00

Factor(3.6/2.25)

cum

1.60

B Carriage (with OH)

$(1.6 \times 7 \times 20.48) + (1.6 \times 1 \times 25.59) + 263.47$

533.83

C Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)

341.36

Total (A+B+C)-

1941.55

Add 1% Labour Cess (A+B+C)

19.42

Add 12% GST(A+B+C)

232.99

Add 10% cost of Material for seigniorage Fee

1.00

106.64

106.64

Total Cost per Cum

Rs:-

2300.58

Analysis for Carriage by Road & Rail

FORM F-8

Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Gaura Shivganj Bhisti Se Rajput Tola

Block :- Marhaura

Saran

District:-

Sl No	Item with Source	Unit	Source Up to	Pucka / Surface	Katcha	Loading & Unloading Cost	Carriage Cost by Rail Head	Total	Min Total
3	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 10.10 \times 2.00 \text{ Km} = \text{Rs } 32.38$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km} = \text{Rs } 38.96$	113.67			Rs. 195.01

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