

Inspection Report For Flood Damage Work

Date:

1. Name of PIU - E.E.-R.W.D(W) Marhaura.
2. Name of Block/Road - Marhaura - B Motable wala Arri to Se Marhaura Bazar Teh.

A. For Road

1. Damage Location/ Chainage :- 0.145 k.m.
2. Damage Length :- 0.225 k.m.
3. Nature of Damage :- Ditches along toffhol.
4. Details of Restoration :-
 - I. Materials being used in restoration : Bone bats, Local sand.
 - II. Equipment/Tools being used in restoration works : Tractor, Roller, J.C.B, Trully. --
 - III. Procedure taken up in Restoration works : Laying & spreading Bone (above).
 - IV. Restored Length : 0.130 k.m.

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 :

04/11/21

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:- Amari Pakha Se Marhaura Bazar Tak

पथ की लम्बाई:- 2.000 KM.

पथ के क्षतिग्रस्त भाग की लम्बाई:-

प्रखंड:-मढ़ौरा जिला :-सारण

प्रमंडल:-ग्रामीण कार्य विभाग कार्य प्रमंडल,मढ़ौरा

अंचल:-ग्रामीण कार्य विभाग कार्य अंचल,छपरा

प्राक्कलित राशि:- 782424 रु

प्रस्तुत प्राक्कलन गत माह जिला क्षेत्र अंतर्गत बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों के मोटेरबुल कार्य हेतु कुल रुपये 782424.000 लाख मात्र के लिए तैयार किया गया है। विदित है की गत जून

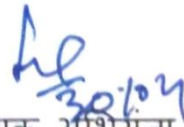
महीने से सितम्बर अक्टूबर महीने तक लगातार अन्तराल पर जिला क्षेत्र अंतर्गत असामयिक रूप से पथ क्रस्ट काफी क्षतिग्रस्त हो गया जिससे पथों पर आवागमन बुरी प्रभावित हो गया। ऐसी परिस्थिति में पथों पर आम जनता को सुलभ आवागमन प्रदान करने हेतु विभागीय उच्चाधिकारियों से प्राप्त आदेश एवं इस संबंध में विभाग से निर्गत दिशा निर्देश के अलोक में तत्काल प्रभाव से प्रभावित पथों 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 782424.000 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। प्रमाण में प्रकट मदों की मात्रा एवं दाम की जांच की जा रही है जो सब ठीक है।



कनीय अभियंता



सहायक अभियंता



कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- Marhaura

District:- Saran

Length of Road:- 2.000 KM

Name of Road:- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Amari Pakha Se Marhaura Bazar Tak

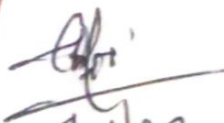
SL. No.	Item of Work	Amount
A	TOTAL COST :	7.824 Lacs
	TOTAL :	7.824 Lacs


30/10/21
Junior Engineer

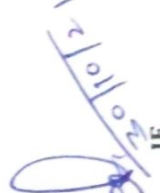

Asstt. Engineer


Executive Engineer

T/S. for Rs. 7.824/- Lacs.
(Repres. Seven lacs ^{SE} Eighty two thousand ^{RWD} four hundred) only.


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

Name Of Road :-		Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Amari Pakha Se Marhaura Bazar Tak					Block :-		Marhaura		DISTRICT:-		Saran		LENGTH :- 2.000 KM		AMOUNT (in Rs.)		
Sl. No.	SDB SL. NO	MORD Ref.No	Description		Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	Total =				0.00			
1	8.1.3.2 (iii)		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 (For Brick Bats)					Cum					326.27	2,300.58	7,50,600.00		
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					48.79	652.27	31,824.00		
															TOTAL COST IN RS.=			7,82,424.00	


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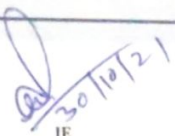

 EE
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ANNEXTURE-1

Name Of Road :- Estimate for Repair of Road Breaches (Damage By Flood) For
Motarable Work in Amari Pakha Se Marhaura Bazar Tak

Block:- Marhaura

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	"	1	150.00	3.30	0.50	CUM	135.00 m3
2	"	1	19.00	3.30	0.75	CUM	47.03 m3
3	"	1	40.00	3.00	0.85	CUM	102.00 m3
4	"	1	16.00	2.20	1.20	CUM	42.24 m3
TOTAL QUANTITY FOR BRICK BATS=							326.27 m3


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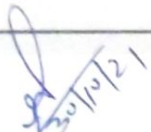

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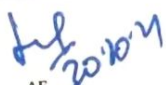
ANNEXTURE-2

Name Of Road :- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Amari Pakha Se Marhaura Bazar Tak

Block:- Marhaura

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	"	1	150.00	3.30	0.10	CUM	27.00 m3
2	"	1	19.00	3.30	0.10	CUM	6.27 m3
3	"	1	40.00	3.00	0.10	CUM	12.00 m3
4	"	1	16.00	2.20	0.10	CUM	3.52 m3
TOTAL QUANTITY FOR LOCAL SAND =							48.79 m3


 JE
RWD


 AE
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 EE
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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/I.				
	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 / Stoneaggregate / 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	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	#####
	Add overhead Charges 6%			0.06	1006.00
	Total-				60.36
					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 x 7 x 20.48) + (1.6 x 1 x 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				106.64
	Total Cost per Cum				2300.58

Analysis for Carriage by Road & Rail
Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Amari Pakha Se Marhaura Bazar Tak

Name of Road:-
 District:-

Saran

Block :- Marhaura

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					
3	Local Sand	Cum	Local	8.00 4.99	x 10.10 x 2.00 Km = Rs 32.38	8.00 4.99	x 24.30 x 1.00 Km = Rs 38.96			Rs. 185.01
							113.67			

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Analysis of Rates (FORMAT F8)

		#REF!	CUM		#REF!
2	600	Filling and Spreading Local Sand Over Brick Bats As Per Drawing and Technical Specification Clause 305.3.9			
	1	Fine Sand Filling			
		Unit = cum			
	a)	Labour			
		Mate	day	0.01	310.00
		Mazdoor Unskilled	day	0.30	304.00
	b)	Material			
		Sand assuming 20% voids	day	1.20	141.75
	c)	Overheads @6 % on (a+b)			
	d)	Contractor's profit @ 10% on (a+b+c)			
		Rate per cum = a+b+c+d			
		Carriage cost:-			
		Fine Sand	nos.	1.20	185.01
		Cost per cum including Carrige			
		Labour cess 1%			
		GST 12%			
		Seignorage 10%			
		TOTAL COST			
			cum		