

Inspection Report For Flood Damage Work

Date:

1. Name of PIUs: 10/4/2020

2. Name of Block/Road: B. road / Mohanpur to Baghep

A For Road

1. Damage Location/ Chainage: 8 to 10 km

2. Damage Length: 208 m

3. Nature of Damage: Damage to road

4. Details of Restoration Works

i. Material being used in Restoration Works: Bunka

ii. Equipments / Tools being used in Restoration Works: 300, 500, 1000, 1500

iii. Procedure taken up in Restoration Works: Yes

iv. Restored Length: 208 m

B For Bridge

1. Damage Location/ Chainage: 1 to 2

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:

Signature
JE

Signature
PE

Signature
EE

Signature
(Name of inspector)



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

FLOOD DAMAGED REPAIR (F.D.R)

STATE :- BIHAR
DISTRICT :- GOPALGANJ
BLOCK :- BARAULI

Motorable work of Mohanpur to Bagheji

Estimated Cost :- Rs503471.00

Submitted By: -

Executive Engineer
Rural works Division Gopalganj – 2

STATEMENT OF CASE

Name of Work :- Motorable work of Mohanpur to Bagheji Road

Estimated Cost :- Rs. 503471.84

Length :- KM

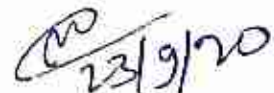
Description:- The estimate has been framed under the supervision of Assistant Engineer in accordance with the order of Executive Engineer, RWD Work Division Gopalganj – 2, letter No. -1574 dated 18.08.2020. The part of above mentioned road has been damaged due to heavy rain /flood and due to this reason damage the transportation facility has been obstructed. The immediate Motorable work is necessary to public interest. Villagers and transport facility will be benefitted by the completion of this Motorable work.

In the Estimate there has been a provision of repairing the damaged part of the road & making it Motorable by filling of Brickbats etc. In the context of post flood scenario there is still the flow of water which prevails through the damaged part of road.

In this estimate the rate of raw material and labour wages has been prepared after the analysis of new rate. This estimate is as per the specifications. The estimate is submitted for technical and administrative acceptance.


J.E.


A.E.


E.E.

DETAILED ESTIMATE FOR MOTORABLE WORK

Name of Work :- Motorable work of Mohanpur to Bagheji Road

Length :- 4.50 KM

Sl No.	Description of Item	No.	Length (M)	Avg. width (M)	Avg. Depth (M)	Qty	Unit	Unit rate (in Rs.)	Amount
1	Providing brick bats filled in ditches including all cost of material and labour in all respect complete the job as per direction of Engineer in Charge.	1	29.80	$(1.5+1.2+1)/3$	$(1.5+1.3)/2$	51.45	Cum		
		1	3.00	$(1.5+1.4+1)/3$	$(1.5+1.4)/2$	5.66	Cum		
		1	30.00	$(0.9+1.15+0.8)/3$	$(0.75+1.00+0.9)/3$	31.35	Cum		
		1	12.00	$(0.9+0.75+1.36)/3$	$(0.75+1.00+0.9)/3$	13.04	Cum		
		1	6.50	$(2.55+2.1)/2$	$(0.9+1.2+1)/3$	15.62	Cum		
		1	2.00	1.30	1.00	2.60	Cum		
		1	15.00	$(1.25+0.9+1.35)/3$	$(1.20+1.00)/2$	19.25	Cum		
		1	5.50	0.90	0.45	4.70	Cum		
		1	8.80	$(0.9+1)/2$	$(0.9+1.2)/2$	8.78	Cum		
		1	5.00	$(0.9+1.1)/2$	$(0.75+0.5)/2$	3.13	Cum		
		1	7.00	$(0.9+1)/2$	$(0.9+0.75)/2$	6.98	Cum		
		1	2.00	$(0.9+1.1)$	$(1.25+1.5)/2$	8.20	Cum		
		1	19.20	$(0.9+1.1)/2$	$(0.9+0.75)/2$	19.68	Cum		
		1	13.00	$(0.9+1.1)/2$	$(0.90+0.75)/2$	16.90	Cum	2412.11	495363.20
					Total Qty	205.34	Cum	2427.65	498486.97
							Add Labour cess 1%		495363.20
							Say Rs.		503471.84

Rs 500256.20
800 Rs 5.003 per

Jawid Singh
23/09/20
J.E.

23-9-2020
A.E.

23/9/20
E.E.

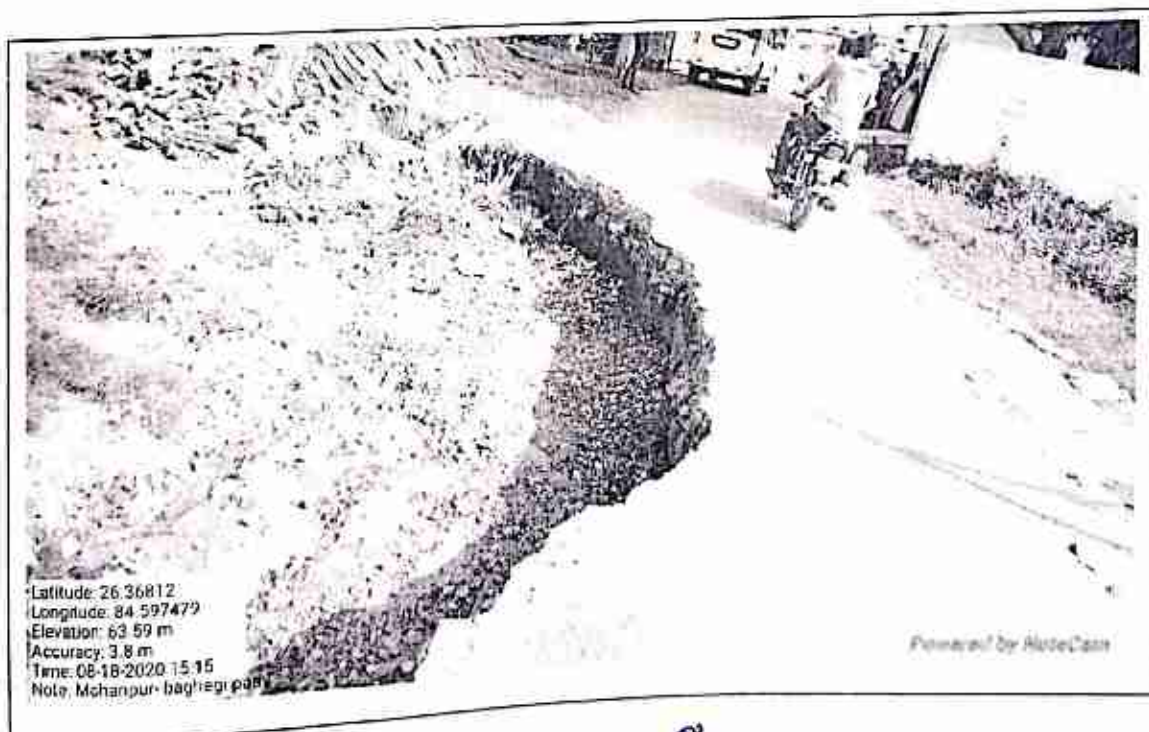
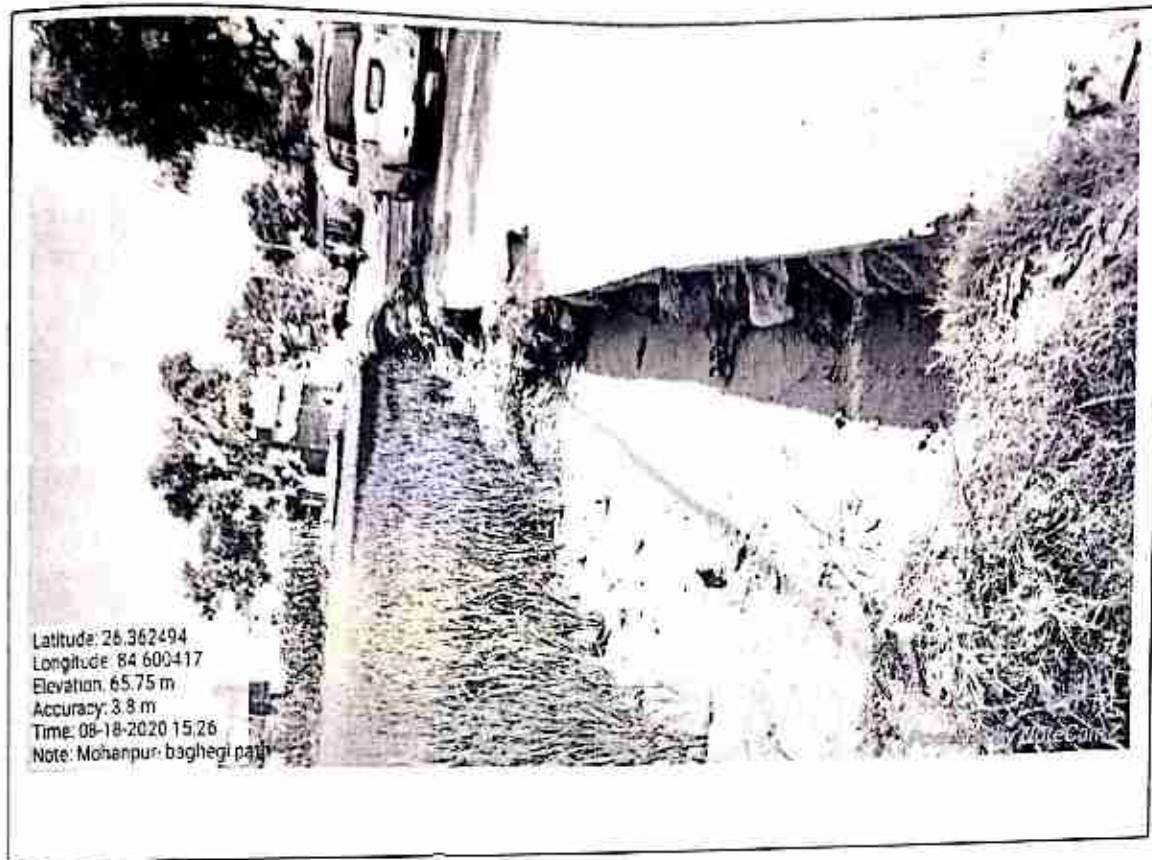
Technically Approved for Rs 5.003 per (Rupees Five lac & Three Hundred) only

13/01/21
Superintending Engineer
RWD Work Circle-Siwan
11/01/2021

1	Providing brick bats billing in ditcel including all cost of labour & material				
A.	Basic Rate of Brick Bats (RCD SOR)	Per Cum		1017.00	1017.00
	Add Royalty (450 Bricks/Cum)		450.00	0.00	0.00
	Add overhead Charges		6%		61.02
	Total				1078.02
	Surface Lead	KM	7		
	Unsurface Lead	KM	1		
	Factor (3.6/2.25)	Cum	1.60		
B.	Carriage (With OH)				
	$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 21.55) + 1$				410.07
C.	Cost of labour pitching and light				383.15
D.	Contractor Profit @ 10% on (A+B+C)				187.12
	Total (A+B+C+D) -				2058.36
	Add 1 % Labour Cess				20.58
	Add 12 % GST				247.00
	Add 10 % cost of Material for Seignior		1.00	101.70	101.70
	Total cost per Cum			Rs.-	2427.65
2	Providing Empty Cement Bag billed				
A.	Basic rate of sand Bag	Per Bag		8.46	8.46
	Add overhead charges		6%		0.51
	Total -				8.97
	1. No. cement bag filled with 40 kg/1				
	Conversion Factor : 1 M3 = 35.31466				
	1) Cubic Meter = Cubic Foot/35.3146				
	2) Cubic Meter = 1.2/ 35.3146667				
	3) Cubic Meter = 0.034				
	Hence 1 No. Sand bag filled with 0.03				
	Surface Lead	Km	2		
	Katcha Lead	Km	1		
	Factor (3.6/2.5)	Cum	1.60		
B.	Carriage (with OH)				
	$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 26.95) + 1$				280.71
	Cost of carriage of sand in filling of b		280.71	0.034	9.54
C.	Cost of labour for filling sand bag,				6.08
D.	Contractor Profit @ 10% on (A+B+C)				2.46
	Total (A+B+C+D) -				27.05
	Add 1% Labour Cess				0.27
	Add 12% GST				3.25
	Add 10% Cost of Material for Seignior		0.034	14.19	0.48
				Rs.-	
	Total Cost per Bag				31.04

1.4 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 : 15km/hour				
	Speed while returning empty : 25 km				
	a) Machinery				
	Tractor 3.6 tonne capacity				
	Time taken for onward haulage with	hour	0.667	549.10	366.25
	Time taken for empty return slip	hour	0.400	549.10	219.64
	b) Overhead charges @ 0.06 on (a)				35.15
	c) Contractor's profit @ 0.1 on (a+b)				0.00
	Cost for 36 t. km = a+b+c				621.04
	Rate per t.km = (a+b+c)/36				17.25
	Say Rs. -				17.25
	(ii) Unsurfaced Graveled Road				
	Speed with load : 12km/hour				
	Speed while returning empty : 20 km				
	a) Machinery				
	Tractor 3.6 tonne capacity				
	Time taken for onward haulage with	hour	0.833	549.10	457.40
	Time taken for empty return trip hou	hour	0.500	549.10	274.55
	b) Overhead charges @ 0.06 on (a)				43.92
	c) Contractor's profit @ 0.1 on (a+b)				0.00
	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 aggregates/Sand/Kankar/Moorum/Brics Bats				
	Placing Tractor at loading point, loading with frontloader, dumping, turning for return trip.				
	Unit = Cum				
	Taking output = 2.25 Cum				
	Time required for				
	i) Positioning of Tractor at Loading Po		1 Min		
	ii) Loading by front end loader cum		5 Min		
	iii) Maneuvering, reversing,		0 Min		
	iv) Waiting time, unforeseen contigen		0 Min		
	Total		6 Min		
	a) Labour	day	0.03	305.00	9.15
	Mate	day	0.72	287.00	206.64
	Mazdoor for loading and unloading				
	b) Machinery				
	Tractor 3.6 tonne capacity	hour	0.1	549.10	54.91
	Front end-loader 1 cum bucket	hour	0.083	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
	Rate per cum = (a+b+c+d)/2.25				182.39
Note >	Unloading will be done manually				

Motorable work of Mohanpur to Bagheji Road

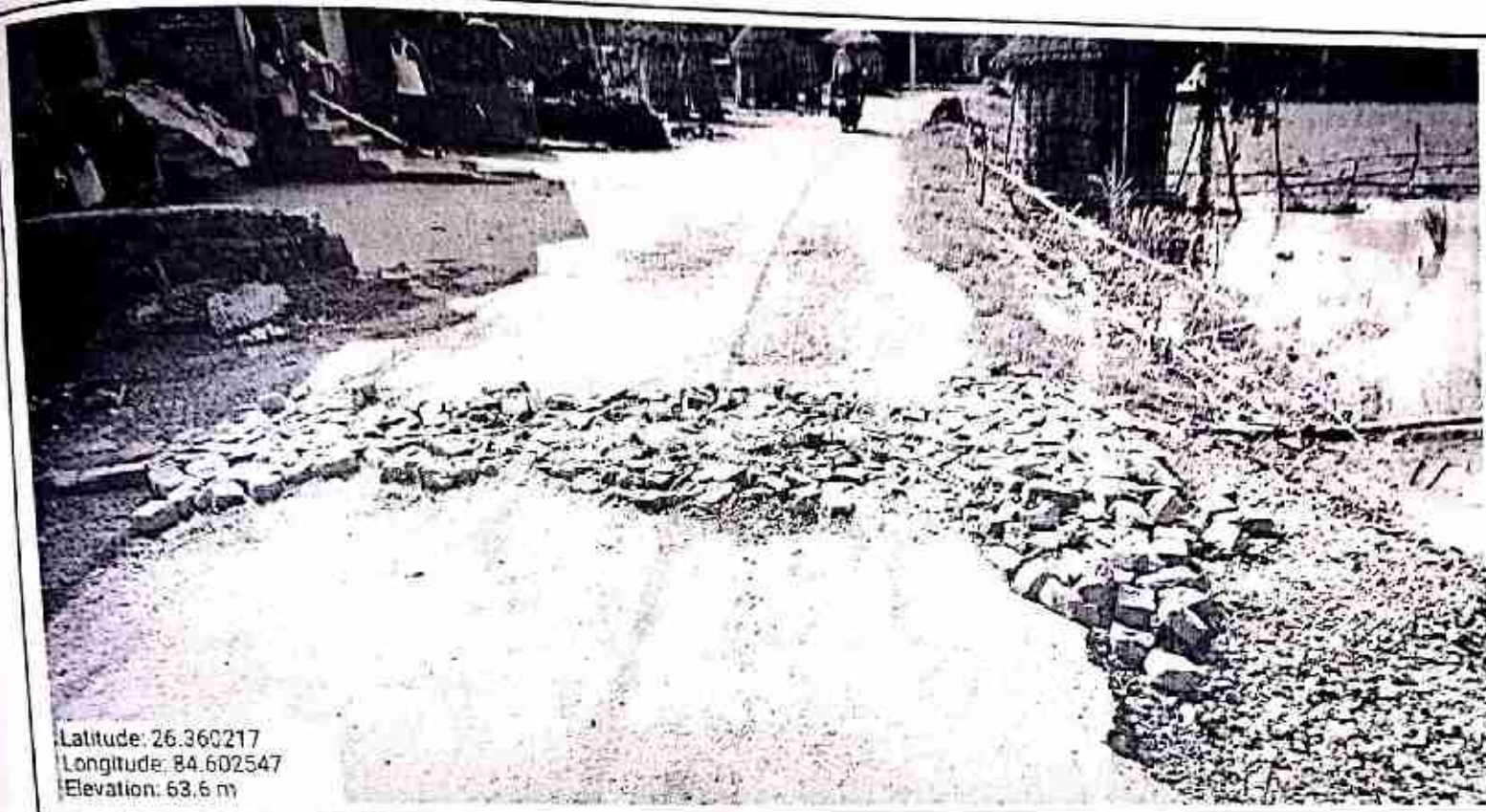


Samit Singh
23/09/20
J.E.

23/09/20
A.E.

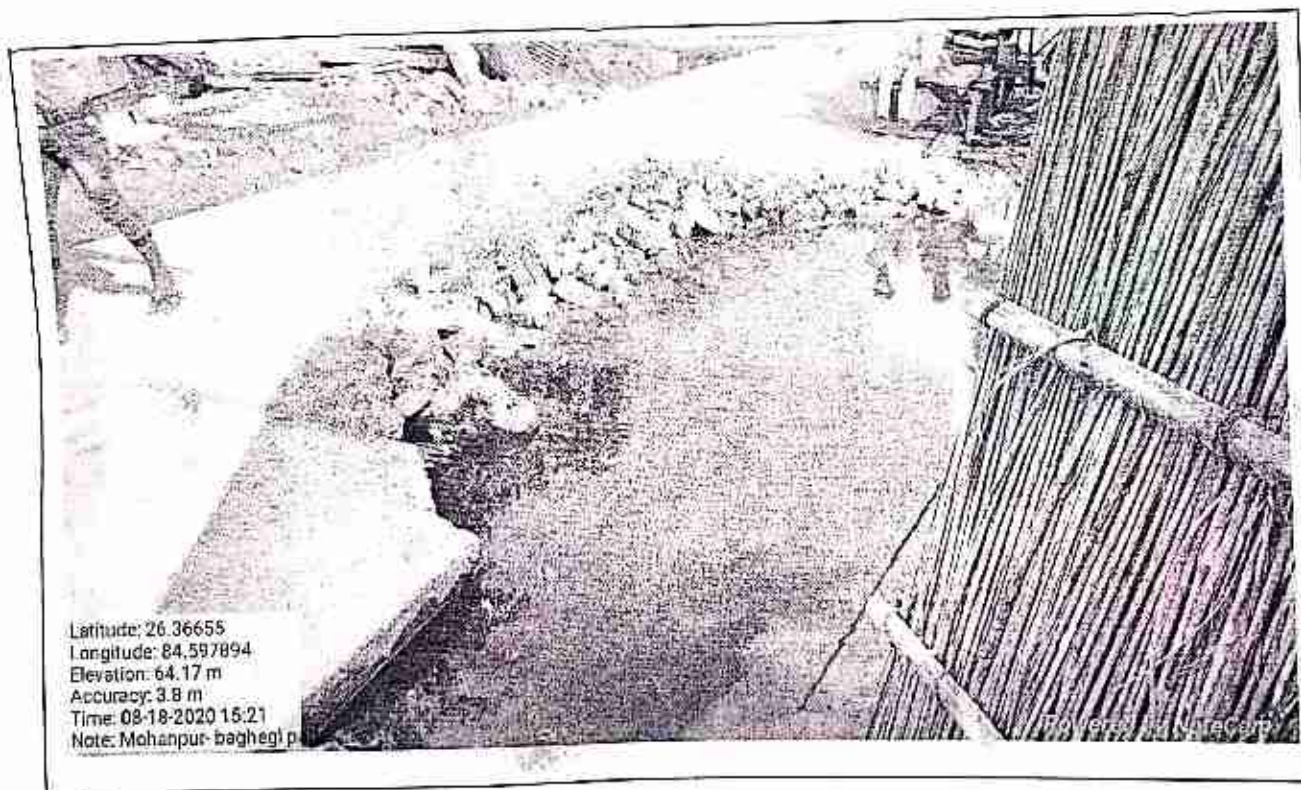
E.E.

Motorable work of Mohanpur to Bagheji Road





Motorable work of Mohanpur to Bagheji Road



Sanjay Singh
23/09/20
J.E

23/09/20
PB