

Inspection Report For Flood Damage Work

Date :

1 Name of PIUs : Gopalgarh - 22 Name of Block/Road : Brauli / Mohamadpur To Panditpur**A For Road**1 Damage Location / Chainage : 0 m to 1000 m

2 Damage Length :

3 Nature of Damage: Heavy Rain / Flood

4 Details of Restoration Works:

i. Material being used in Restoration Works: Brick Batsii Equipments / Tools being used in Restoration Works : JCB, Tractor, Tools, Belch, Shovel / Rolleriii Procedure taken up in Restoration Works: Yesiv Restored Length: 56.70 m**B For Bridge**1 Damage Location / Chainage: N/A.

2 Damage Length:

3 Nature of Damage:

4 Details of Restoration Works:

i. Material being used in Restoration Works :

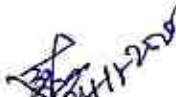
ii Equipments / Tools being used in Restoration Works :

iii Procedure taken up in Restoration Works:

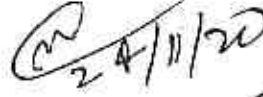
iv Restored Length :



JE



AE



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 :- Brauli

Mohammadpur To Panditpur

ESTIMATED COST - RS. 801800.00

SUBMITTED BY :-
EXECUTIVE ENGINEER
RWD (W) DIVISION
GOPALGANJ-2

Report

Name of Work :- **Motorable work of Mohammadpur To Panditpur**

Estimated Cost :- **801800.00**

Total length of Road :- **6.460 km**

Description :- The present estimate has been farmed under the supervision of Assistant engineer in accordance with the order of Executive Engineer, RWD, WD 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 damage the transporation has been obstructed. The immediate motorable work is necessary in public interest. Villagers 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 brickbats. In the context of post flood scenario there is still the flow of water which prevails through the damaged part of the road.

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


24/11/2020

J.E.


24/11/2020

A.E.


24/11/2020

E.E.

Detailed Estimate For Motorable Work in Road from Mohammadpur To Panditpur damaged due to Heavy rain/flood for year 2020-2021

Items	No.	L (M.)	W (M.)	D (M.)	Qty.	Unit	Rate	Amount
Providing brick bats billed in ditches including all cost of labour & material with all complete job.								
CH - 0 M to 1000 M	1	4.00	(1.10+0.60)/2	1.60	5.44	M3		
	1	10.00	0.5+1.00/2	0.60+1.0+1.00/3	7.25	M3		
	1	2.50	0.70	0.80	1.40	M3		
	1	1.40	0.60	0.65	0.55	M3		
	1	1.80	(0.40+1.00+1.50)/3	0.60	1.04	M3		
	1	14.00	5.00	2.30	161.00	M3		
	1	7.00	(2.5+1.20)/2	0.80	10.36	M3		
	1	16.00	5.00	1.75	140.00	M3		
Less for H.P.	0	1.23	1.23	5.00	0.00	M3	2412.11	788856.20
					327.04	M3	2427.65	793938.66
Providing & laying 1000 MM Dia NP3 Hume Pipe in single row -do-do- complete job.	0	2.50			0.00	M	4159.56	0.00
								788856.20
								793938.66
Add 1 % Contingency							7889.20	7939.39
							Total	801878.04
							Say	801800.00

Rs 796745.20
Say Rs 7.967 Cro

[Signature]
24/11/2020

J.E.

A.E.

E.E.

Technically Approved for Rs 7.967 Cro (Rupees Seven Crores Ninety Six Thousand & Seven Hundred only)

[Signature]
73/01/21
Superintending Engineer
C. & D. Work Circle-Siwan
Rajesh
11/01/2021

1	Providing brick bats blilling 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 o				
			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
	Total Cost per Bag			Rs.-	31.04

1.4 RCB	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	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
	Rate per t.km = (a+b+c)/36				23.34
	Say Rs. -				21.55
1.1 RCD	Loading and unloading of stone Boulder/stone aggregates/Sand/Kankar/Moorum/Bricks 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 Point		1 Min		
	ii) Loading by front end loader cum		5 Min		
	iii) Maneuvering, reversing,		0 Min		
	iv) Waiting time, unforeseen contingencies		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 3.6 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				

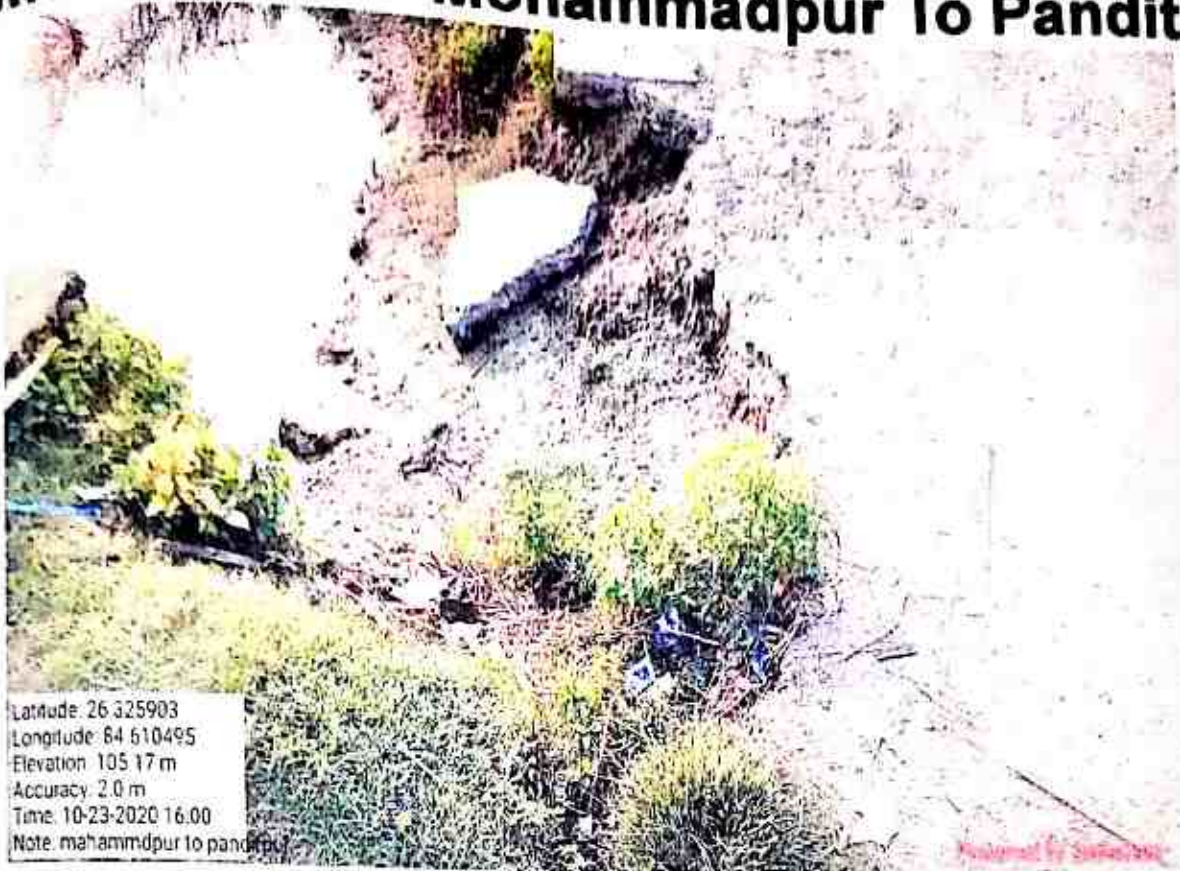
Name of Road :- Mohammadpur To Panditpur



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Latitude: 26.325903
Longitude: 84.610495
Elevation: 105.17 m
Accuracy: 2.0 m
Time: 10-23-2020 16:00
Note: mahammadpur to panditpur



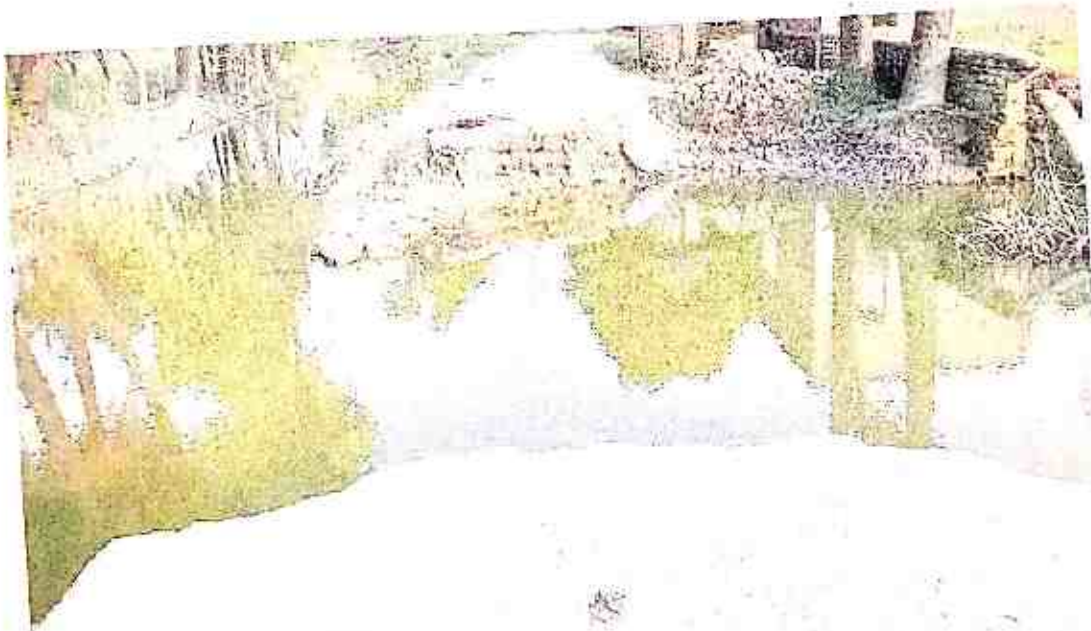
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Longitude: 84.61045
Elevation: 104.97 m
Accuracy: 1.5 m
Time: 10-23-2020 16:00
Note: mahammadpur to panditpur

Name of Road :- Mohammadpur To Panditpur



Latitude: 26.325487
Longitude: 84.611748
Elevation: 105.65 m
Accuracy: 2.1 m
Time: 10-23-2020 16:03
Note: mahammadpur to panditpur

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Latitude: 26.325462
Longitude: 84.611937
Elevation: 104.25 m
Accuracy: 1.6 m
Time: 10-23-2020 16:04
Note: mahammadpur to panditpur

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Time of Road :- Mohammadpur To Panditpur



Latitude: 26.325427
Longitude: 84.611752
Elevation: 104.1 m
Accuracy: 1.9 m
Time: 10-23-2020 16:06
Note: mahammadpur to panditpur

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Latitude: 26.32539
Longitude: 84.611773
Elevation: 104.3 m
Accuracy: 1.5 m
Time: 10-23-2020 16:07
Note: mahammadpur to panditpur

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