

Inspection Report For Flood Damage Work

Date :

1 Name of PIUs : E.E, R.W.D, WORKS DIVISION, GOPALGANJ-2

2 Name of Block/Road : BARAULI / MIRZAPUR TO MOHODIPUR PAKARIYA

A For Road

1 Damage Location / Chainage : 1200 to 1700

2 Damage Length : 71.30 M

3 Nature of Damage: Beaches develops due to flood.

4 Details of Restoration Works:

i. Material being used in Restoration Works: Bricks Bats Used.

ii Equipments / Tools being used in Restoration Works: JCB, Tractor and Manpower

iii Procedure taken up in Restoration Works: AS per SOP

iv Restored Length: 71.30 M

B For Bridge

1 Damage Location / Chainage:

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 :

Samit Singh
23/09/2020
JE

[Signature]
23/9/20
AE

[Signature]
23/9/20
EE

[Signature]
14/11/2020
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 Mirzapur to Mohaddipur Pakariya

Estimated Cost :- Rs 1904886.00

Submitted By: -

Executive Engineer

Rural works Division Gopalganj – 2

STATEMENT OF CASE

ime of Work :- Motarable work Mirzapur to Mohaddipur Pakariya

stimated Cost :- Rs. 1904886.00

length :- 4.775 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. At the frist time flood period damged the road at a specific location then moterable work completion of damgad part of road again damged at the same location by the 2nd time the flood. The immediate Motorable work is necessary to public interest /district administration for interest of Election commision. 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.

Somit Singh
23/09/20
J.E.

S-23-9-20
A.E.

23/9/20
E.E.

DETAILED ESTIMATE FOR MOTORABLE WORK

Work :- Motorable work Mirzapur to Mohaddipur Pakariya

4.755 KM

Description of Item	Chainage		No.	Length (M)	Avg. width (M)	Avg. Depth (M)	Qty	Unit	Unit rate (In Rs.)	Amount
	From	To								
Providing brick bats filled ditches including all cost of material and labour in all respect complete the job as per direction of Engineer in Charge.	100	1700	1	29.70	(4.80+3.70)/2	4.70	593.26	Cum		
			1	7.80	(4.4+3.50)/2	2.10	64.70	Cum		
			1	9.00	3.70	1.50	49.95	Cum		
			1	36.00	(2.15+1.50)/2	1.05	68.99	Cum		
						Total Qty	776.89	Cum	2412.11	1873944.20
									2427.65	1886025.51
								Add labour Cess 1%		187392.00
										18860.26
									Total =	1904886.00
										1892683.20

Savit Singh
23/09/20
J.E.

[Signature]
23/9/20
A.E.

8000 Rs 18.927 lac

[Signature]
23/9/20
E.E.

Technically Approved for Rs 18.927 lac (Rupees Eighteen Lacs Ninety Two Thousand & Seven Hundred) only

[Signature]
13/10/21
Superintending Engineer
RWD Work Circle-Siwan
[Signature]
11/09/2021

PROVIDING AND ESTIMATING COSTS

Ref. RCD SoR (12.8)	Labour for Filling Sand Bag, Stitching and direction of EA.	complete as per specification	
	Unit - Per Bag		
	Taking Output = 750 Bag		
	Unskilled Mazdoor	287.00	4305.00
	Add 6% Overhead Charges		258.30
	Rate for 750 Bag		4563.30
	Mazdoor Rate per Bag (Rs.) -		6.08
1.4 RCD	Cost of Haulage Excluding Loading and Unloading		
	Haulage of materials by Tractor excluding loading and stacking.		
	Unit = 1 km		
	Taking output 3.60 tonnes load and less		
	(i) Surfaced Road		
	Speed with load = 15 km / hour.		
	Speed while Returning empty 25 km / hour.		
	a) Machinery.		
	Tractor 3.6 tonne capacity		
	Time taken for onward haulage with load	549.10	366.25
	Time taken for empty return trip.	400	549.10
	b) Overhead charges @ 0.06 on (a)		35.15
	cost for 36 t.km = a+b+c		621.04
	Rate per t.km = (a+b+c)/36		17.25
	Say Rs. -		17.25
	(iii) Katcha Track		
	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	549.10	549.10
	Time taken for empty return trip	549.10	366.25
	b) Overhead charges @ 0.06 on (a)		54.92
	Cost for 36 t.km =		970.27
	Rate per t.Km =		26.95
	Say Rs. -		26.95
1.1 RCD	Loading and Unloading of Stone / Kanker/Moorum		
	Placing Tractor at load and unloading excluding for haulage and stacking.		
	Unit = cum		
	Taking output = 2.25 cum		
	Time required for		
	i) Positioning of Tractor		
	ii) Loading by front end loader bucket capacity @ 25 cum		
	iii) Maneuvering, reversing, turning for return		
	iv) Waiting time, unforeseen contingencies etc.		
	Total		

1.1 RCD	Loading and Unloading of Stone Boulder/ Stone aggregates/Sand /Kanker/Moorum				
	Placing Tractor at loading point, loading with frontloader, dumping, turning for return trip, excluding for haulage and 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 1 cum bucket capacity @ 25 cum per hour		5 Min		
	iii) Maneuvering, reversing, dumping and turning for return		0 Min		
	iv) Waiting 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	0.1	549.10	54.91
	Front end-loader 1 cum bucket capacity @ 25 cum/hour	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				410.38
	Rate per cum = (a+b+c)/ 2.25				182.39
Note:-	Unloading will be done manually.				
1.	Providing Brick filling in ditches including all cost of labour and materials				
A.	Basic Rate of Brick Bats	Per Cum		1017.00	1017.00
	Add overhed 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 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)				383.15
D.	Contractor profit @ 10 % on (A+B+C)				187.12
	Total (A+B+C+D) -				2058.36
	Add 1% Labour Cess (A+B+C)				20.58
	Add 12% GST (A+B+C)				247.00
	Add 10% cost of Material for Seigniorage Fee		1	101.70	101.70
	Total Cost per Cum			Rs.-	2427.65



Savit Singh
23/09/2020
J.E

23-10-2020
M



Latitude: 26.398082
Longitude: 84.581223
Elevation: 107.34m
Accuracy: 1.6m
Time: 08-15-2020 12:07
Note: mirjapur to mahodipur pakdiya



Latitude: 26.397362
Longitude: 84.591262
Elevation: 104.63m
Accuracy: 1.6m
Time: 08-15-2020 12:00
Note: mirjapur to mahodipur pakdiya

Savit dinda
23/9/2020
J.E

23-09-2020
Pr



Savit Singh.
23/02/2020
J.E

23/02/2020