

Inspection Report For Flood Damage Work

Date:

1 Name of PIUs: Gopalgunj - 22 Name of Block/Road: Marceli / Dargi TO Bhikampur**A For Road**1 Damage Location / Chainage: 0 m to 1000 m, 4000 m to 4300 m2 Damage Length: 80 m3 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, Pick, Shovel, Rolleriii Procedure taken up in Restoration Works: Yes Belchingiv Restored Length: 80 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 :

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(Name of Inspector)



ग्रामीण कार्य विभाग

Rural Works Department, Govt. of Bihar

FLOOD DAMAGED REPAIR (F.D.R.)

STATE :- BIHAR
DISTRICT :- GOPALGANJ
BLOCK :- Brauli

Dangsi To Bhikhampur

ESTIMATED COST - RS. 910800.00

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

Report

Name of Work :- Motorable work of Dangsi To Bhikhampur

Estimated Cost :- 910800.00

Total length of Road :- 4.300 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.


20/11/2020
J.E.


A.E.


20/11/20
E.E.

Detailed Estimate For Motorable Work in Road from Dangsi To Bhikhampur 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	16.00	(5.00+7.00)/2	(3.00+2.80)/2	278.40	M3		
	1	26.00	0.90	0.90	21.06	M3		
CH - 4000 M	1	14.00	4.00	0.90	50.40	M3		
	1	18.00	0.90	1.00	16.20	M3		
	1	6.00	0.90	1.00	5.40	M3		
Less for H.P.	0.00	1.23	1.23	5.00	0.00	M3	2412.11	876002.20
					371.46	M3	2427.65	901774.87
Providing & laying 1000 MM Dia NP3 Hume Pipe in single row - do - do - complete job.	0	2.50			0.00	M	2788.55 4159.56	0.00
							876002.20	901774.87
Add 1 % Contingency							8760.02	9017.75
							Total	910792.62
							Say	910800.00

904962.20
Say Rs 9.050 L

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Technically Approved for Rs 9.050 L (Rupees Nine Lacs & Five Thousand) only

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13/10/21
Superintending Engineer
R. W. D. Work, Circle-Siwan
R. K. Singh
11/11/2021
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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 flight				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)				280.71
	$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 26.95) + 1$				
	Cost of carriage of sand in filling of o		280.71	0.034	9.54
					6.08
C	Cost of labour for filling sand bag.				2.46
D	Contractor Profit @ 10% on (A+B+C)				27.05
	Total (A+B+C+D) -				0.27
	Add 1% Labour Cess				3.25
	Add 12% GST		0.034	14.19	0.48
	Add 10% Cost of Material for Seignior				
				Rs.-	31.04
	Total Cost per Bag				

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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
	Time taken for empty return slip	hour	0.400	549.10
	b) Overhead charges @ 0.06 on (a)			219.64
	c) Contractor's profit @ 0.1 on (a+b)			35.15
	Cost for 36 t. km = a+b+c			0.00
	Rate per t.km = (a+b+c)/36			621.04
	Say Rs. -			17.25
				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
	Time taken for empty return trip hou	hour	0.500	549.10
	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/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 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			
	Mate	day	0.03	305.00
	Mazdoor for loading and unloading	day	0.72	287.00
	b) Machinery			
	Tractor 3.6 tonne capacity	hour	0.1	549.10
	Front end-loader 1 cum bucket	hour	0.083	1403.00
	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			

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Name of Road :- Dangsi To Bhikhampur



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Name of Road :- Dangsi To Bhikhampur



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