



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

2021-22

FLOOD DAMAGED REPORT



Motorable for Balara Saraiya Dhala ke North to Salehpur SC Tola

DISTRICT	:-	GOPALGANJ	
DIVISION	:-	GOPALGANJ-2	
BLOCK	:-	BARAULI	
TOTAL LENGTH OF ROAD	:-	2.100	KM
DAMAGED LENGTH OF ROAD	:-	0.133	KM
PART-A TOTAL COST OF INTIAL RECTIFICATION IN SURFACE RENEUAL	:-	1.225	Lac
TOTAL SEIGNIORAGE FEE	:-	0.002	Lac
TOTAL COST OF PROJECT	:-	1.227	Lac

Inspection Report For Flood Damage Work

Date :

- 1 Name of PICU : RWD, WORKS DIVISION, GOPALGANJ-2
2 Name of Block/Road : BARAULI/ BALARA SARAIYA DHALA KE NORTH TO SALEHPUR SL TOLA

A For Road

- 1 Damage Location/Chainage : 200-400M, 600-850M, 1600-1650M
2 Damage Length : 78.40M, 44.30M, 11M
3 Nature of Damage : ROAD WASHOUT

4 Details of Restoration Works:

- i) Material being used in Restoration Works : BRICK BATS
ii) Equipments/Tools being used in Restoration Works : ICB, TRACTOR WITH TROLLY
iii) Procedure taken up in Restoration Works :
iv) Restored Length : 133.70 M. *work is satisfactory*
26/12/21

B For Bridge

- 1 Damage Location/Chainage :
2 Damage Length :
3 Nature of Damage :
4 Details of Restoration Works :

NA

- 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 :

NA

[Signature]
27/12/21

J.E

[Signature]
2-12-21

A.E

[Signature]
02/12/21

E.E

checked by me.

[Signature]
26/12/21

Inspection Officer
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल हथुआ (गोपालगंज)

[Signature]
17/10/22
Superintending Engineer
RWD Works Circle, Siwan

[Signature]
17/10/22

REPORT

Name of Work :- Motorable for Balara Saraiya Dhala ke North To Salehpur
SC Tola

Estimate Cost :- 4.227 Lac

Total Length :- 2.100 km

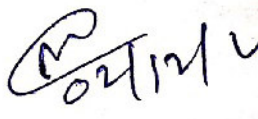
Description :- The Present estimate has been farmed under the supervision of Assistant engineer in accordance with the order of Executive Engineer, RWD, WD Gopalganj-2. The part of above mentioned road has been damaged due to heavy rain/flood . And due to this damage the transportation has been obstructed. The immediate motorable work is necessary in public interest. village will be benefitted by the completion of this motorable work.

In the estimate there has been 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 specification. The estimate is devoted to technical and administrative acceptance.


21/12/24
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E.E

0.92

GENERAL ABSTRACT OF COST

District:- GOPALGANJ

2.100 KM

Motorable for Balara Saraiya Dhala ke North to Salehpur SC Tola

SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION	1.225 Lacs
B	Total Seigniorage Fee	0.002 Lacs
	TOTAL	1.227 Lacs

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02/12/14

Asstt. Engineer

Executive Engineer

Technically Sanctioned for Rs 1.227 lacs (Perfect One lacs
Twenty Two Thousand & Seven Hundred) only

SE

17/01/22
Superintending Engineer
RWD Works Circle, Siwan
1.02

Phineas 12/10/2022

Sl. No.	SDB Sl. No.	MORD Ref. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (In Rs.)
1	3.2	301	Brick Bats								
			Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I including carriage cost of bricks.								
				cum	1	7.50	1.50	0.50	5.625		
				cum	1	7.50	0.50	0.20	0.75		
				cum	1	6.00	0.50	0.20	0.60		
				cum	1	3.00	2.00	0.20	1.20		
				cum	1	44.00	1.10	0.30	14.52		
				cum	1	10.40	1.00	0.50	5.20		
				cum	1	17.40	2.70	0.20	9.40		
				cum	1	15.90	2.60	0.20	8.27		
				cum	1	11.00	2.75	0.20	6.05		
				cum	1	11.00	3.00	0.30	9.90		
				cum					61.51	1,761.99	1,08,378.00
									A) SUB TOTAL OF CRUST =		1,08,378.00
									TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)=		1,08,378.00

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A

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD :

DISTRICT

BLOCK

DIVISION

LENGTH OF ROAD (in Km)

Damaged Length of Road

Motorable for Balara Saraiya Dhala ke North to Salehpur SC Tola

GOPALGANJ

BARAULI

GOPALGANJ-2

2.100

0.133

Sl. No.	DESCRIPTION	Amount	1 % Labour Cess	12 % GST	1% Labour Cess & 12% GST AMOUNT (LAKHS)
	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL				
1	BRICK BAT	1.084	0.011	0.130	1.225
	SUB TOTAL	1.084	0.011	0.130	1.225
	Total Seigniorage Fee				0.002
	TOTAL COST OF PROJECT IN LACS =	1.084	0.011	0.130	1.227


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 RWD


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 RWD


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 EE
 RWD

Name of Road :-			Motorable for Balara Saraiya Dhala ke North to Salehpur SC Tola			Block :-		BARAULI		Length :-	
SL No.	SDB SL No.	MORD Ref No.	DESCRIPTION			Unit	Quantity	Rate	Amount in Rs	Total material Qty. required (Cum)	Total Amount
1	3.14	303.1	EARTHWORK								
			Construction of Subgrade and Earthen Shoulders								
			Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.								
			Unit = cum								
			Taking output = 100 cum								
		a)	Material								
			Compensation for earth taken from private land			cum	100.00	34.82	3,482.00		
			Cost for 100 cum = a						3,482.00		
			Rate per cum = (a)/100			cum			34.82		
			Total Cost						34.82	0.00	0.00
2			Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light barriers, danger signals, chowkidar, taxes, royalty etc all complete job as per specification and direction of E/I including carriage cost of bricks.								
			Unit = cum								
			Taking output = 2.832								
		a)	Material								
		iii) Local Sand				Cum	0.63	141.85	89.37		
		Cost for 300 cum = A							89.37		
		Rate per cum = (A)/2.832				cum			31.56		
			Total Cost						31.56	61.51	194.10
										Total Seigniorage Fee	203.15

Analysis for Carriage by Road & Rail

Motorable for Balara Saraiya Dhala ke North to Salehpur SC Tola

Name of Road:--

Block :- BARAULI

District:- GOPALGANJ

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km			Loading & Unloading Cost	Carriage Cost by Rail Head	Total ₹
				Pucka / Surface	Katcha				
1	Stone Metal Gr-I & Gr-II (Sheikhpura by Rail 271 Km)	Cum	Siwan	8.00 x 7.94 x 64.00 Km = Rs 885.68	8.00 x 19.22 x 0.00 Km = Rs 0.00	4.59	210.55	1622.02	Rs. 2718.25
2	Stone Metal Gr-III (Sheikhpura by Rail 271 Km)	Cum	Siwan	8.00 x 7.94 x 64.00 Km = Rs 814.69	8.00 x 19.22 x 0.00 Km = Rs 0.00	4.99	210.55	1676.71	Rs. 2701.95
3	Stone Aggregate / Chips (Mirzachowki by Rail 381 Km)	Cum	Siwan	8.00 x 7.94 x 64.00 Km = Rs 814.69	8.00 x 19.22 x 0.00 Km = Rs 0.00	4.99	210.55	2103.81	Rs. 3129.05
4	Stone Boulder (Sheikhpura by Rail 271 Km)	Cum	Siwan	8.00 x 7.94 x 64.00 Km = Rs 846.93	8.00 x 19.22 x 0.00 Km = Rs 0.00	4.80	210.55	1729.87	Rs. 2787.35
5	Course Sand	Cum	Kollwar	8.00 x 7.94 x 159.00 Km = Rs 2023.98	8.00 x 19.22 x 0.00 Km = Rs 0.00	4.99	113.85		Rs. 2137.83
6	Binding Material/Mcorum (Jamui by Rail 275 Km)	Cum	Siwan	8.00 x 7.94 x 64.00 Km = Rs 677.55	8.00 x 19.22 x 0.00 Km = Rs 0.00	6.00	113.85	1307.42	Rs. 2098.82
7	Local Sand	Cum	Local	8.00 x 7.94 x 2.00 Km = Rs 25.46	8.00 x 19.22 x 1.00 Km = Rs 30.81	4.99	113.85		Rs. 170.12
8	Brick	1000 Nos	Local	8.00 x 7.94 x 7.00 Km = Rs 222.32	8.00 x 19.22 x 1.00 Km = Rs 76.88	2.00	478.10		Rs. 777.30
9	Cement	MT	Local	8.00 x 7.94 x 10.00 Km = Rs 79.40	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00	348.12		Rs. 427.52
10	Steel	MT	Local	8.00 x 7.94 x 10.00 Km = Rs 79.40	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00	371.54		Rs. 450.94
11	Bitumen Emulsion	MT	Muzaffarpur	8.00 x 7.94 x 189.00 Km = Rs 1500.66	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00	397.72		Rs. 1898.38
12	Bitumen	MT	Muzaffarpur	8.00 x 7.94 x 189.00 Km = Rs 1500.66	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00	397.72		Rs. 1898.38
13	Hume Pipe (1000 mm)	m	Siwan	8.00 x 7.94 x 64.00 Km = Rs 406.53	8.00 x 19.22 x 0.00 Km = Rs 0.00	10.00	70.96		Rs. 477.49
14	Hume Pipe (600 mm)	m	Siwan	8.00 x 7.94 x 64.00 Km = Rs 162.61	8.00 x 19.22 x 0.00 Km = Rs 0.00	25.00	30.41		Rs. 193.02
15	Hume Pipe (300 mm)	m	Siwan	8.00 x 7.94 x 64.00 Km = Rs 67.75	8.00 x 19.22 x 0.00 Km = Rs 0.00	60.00	30.41		Rs. 98.16

* Subjected to Verification of Lead

Cost of Haulage Excluding Loading & Unloading as per SO aa

Type of Road	₹ Per Ton. Km by Tipper	₹ Per Ton. Km by Truck
For Surface Road	10.10	7.94
Unsurface Gravel Road	12.10	9.55
Kachha Road	24.30	19.22

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