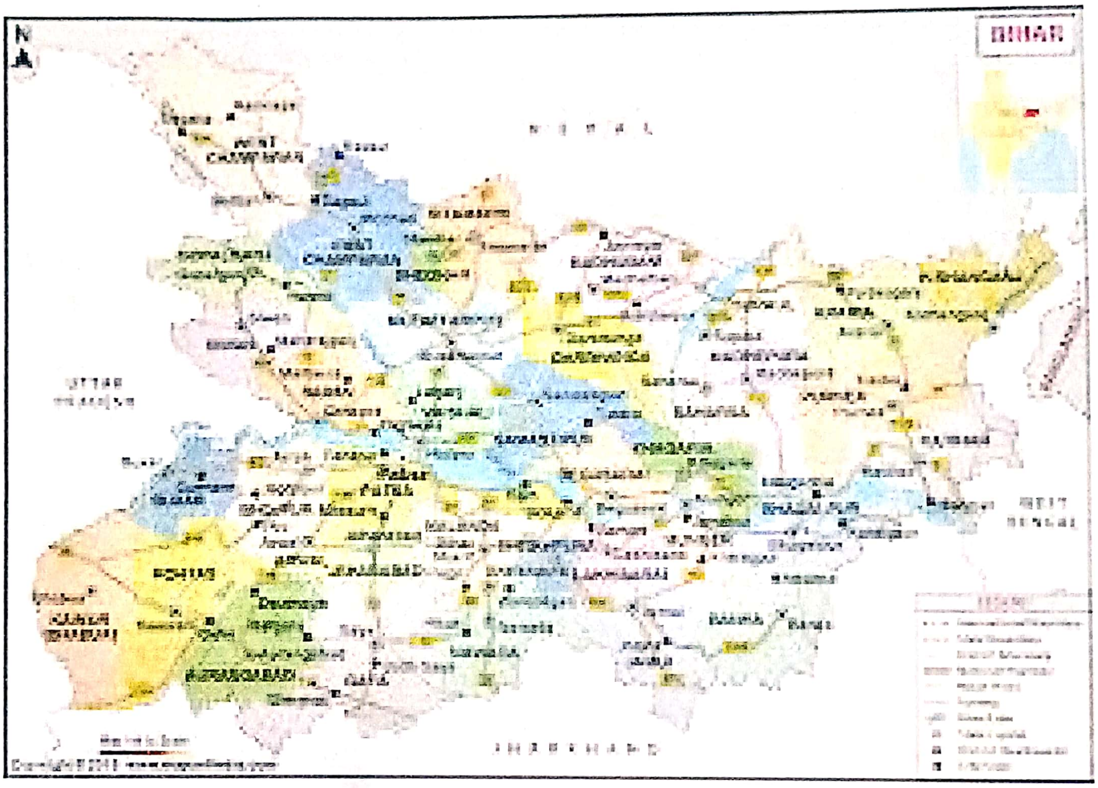
बिहार सरकार

ग्रामीण कार्य विभाग

2021-2022

FLOOD DAMAGED REPORT



MOTORABLE OF L027 DIGHWA DUBOULI PHD PATH TO KHAJUHATTI DEVA GIRI KE TOLA			
DISTRICT :- GOPALGANJ			
DIVISION :- GOPALGANJ -2			
BLOCK :- BAIKUNTHPUR			
TOTAL LENGTH OF THE ROAD	:	1.548	KM
DAMAGED LENGTH OF ROAD	:	166.50	M
PART -A TOTAL COST OF INTIAL RECTIFICATION IN	:	5.35	Lacs
TOTAL SEIGNIORAGE FEE	:	0.009	Lacs
TOTAL COST OF PROJECT	:	5.363	Lacs
SUBMITTED By: EXECUTIVE ENGINEER RWD (W) DIVISION GOPALGANJ-2			

Name of work :- MOTORABLE OF L027 DIGHWA DUBOULI PHD PATH TO KHAJUHATTI DEVA GIRI KE TOLA

Estmate Cost - 5.363 Lakhs

Total Length :- 1.548 Km

Description :- The Present estimate has been farmed under the supervision of Assistant Engineer in accordance with the order of Executive Engineer , RWD, 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 obstruced. The immediate motorable work is necessary in public interest. Village will be benefitted by the completion of this motorable work.

In the estimate 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.

4/3/22 4/3/22

J.E A.E E.E

Inspection Report For Flood Damage Work

Date :

1 Name of PIUs : Gopalganj-2

2 Name of Block/Road : Baikunthpur / L027 Dighwa Dubauli PHD Path To Khajuhatti Dena Giri Ke Tola

A For Road

1 Damage Location / Chainage : 0 m to 1420 m.

2 Damage Length : 166.50 m. /

3 Nature of Damage: Heavy Rain / Flood.

4 Details of Restroration Works:

i. Material being used in Restoration Works: Brick Bats

ii Equipments / Tools being used in Restoration Works : JCB, Tractor, Troli etc.

iii Procedure taken up in Restoration Works: Yes

iv Restored Length: 166.50 M.

B For Bridge

N/A

1 Damage Location / Chainage:

2 Damage Length:

3 Nature of Damage:

4 Details of Restroration 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 :

4/3/22

JE

AE

4/3/22

EE

12/04/22

12/4/22

Inspecting Officer

FLOOD DAMAGED REPORT

GENERAL ABSTRACT OF COST

NAME OF ROAD :-	:-	MOTORABLE OF L027 DIGHWA DUBOULI PHD PATH TO KHAJUHATTI DEVA GIRI KE TOLA
DISTRICT	:-	GOPALGANJ
BLOCK	:-	BAIKUNTHPUR
DIVISION	:-	GOPALGANJ -2
TOTAL LENGTH OF THE ROAD	:-	1.548 KM
DAMAGED LENGTH OF ROAD	:-	166.500 M

SL.No	Item of Work	AMOUNT
A	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL	5.35
B	Total Seigniorage Fee	0.009
	TOTAL	5.363

4/3/22

4/3/22

Junior Engineer

ASSTT. Engineer

E ~~Asstt.~~ Engineer

F.D.R Technically Sanctioned for Rs 5.363 lac (Rupees Five lac Thirty Six Thousand & Three Hundred) only

22/04/22

SE
RWD
Superintending Engineer
R.W.D. Work, Circle, Siwan

22/04/2022

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD :-	:-	MOTORABLE OF L027 DIGHWA DUBOULI PHD PATH TO KHAJUHATTI DEVA GIRI KE TOLA
DISTRICT	:-	GOPALGANJ
BLOCK	:-	BAIKUNTHPUR
DIVISION	:-	GOPALGANJ -2
TOTAL LENGTH OF THE ROAD	:-	1.548 KM
DAMAGED LENGTH OF ROAD	:-	166.500 M

SL.No	DESCRIPTION	AMOUNT	1 % Labour Cess	12 % GST	1 % Labour Cess & 12 % GST AMOUNT (LAKHS)
	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL				
1	BRICK BATS	4.74	0.047	0.569	5.35
	SUB TOTAL	4.74	0.047	0.569	5.35
	Total Seigniorage Fee				0.009
	TOTAL COST OF PROJECT IN LAKHS	4.74	0.047	0.569	5.363

4/3/22

Junior Engineer

Asstt. Engineer

4/3/22

Executive Engineer

Name of Road MOTORABLE OF L027 DIGHWA DUBOULI PHD PATH TO KHAJUHATTI DEVA GIRI KE TOLA

S.L No	SBD S.L No	MORD Ref No	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs	Total Material Qty required (Cum)	Total Amount	Add 10 % Seigniorage Fee
			construction of subgrade and Earthen shoulders with approved material obtained from borrow pits with all lifts and lead ,							
			unit = cum							
			Taking output = 100 cum							
			Compensation for earth taken from private land		100	34.82	3482			
			Cost for 100 cum = a				3482			
			Rate per cum = (a)/100	Cum			34.82			
							34.82	2.63	91.40	0.91
										0.92
			Providing Brick bats including spreading laying hand packing and compacting with C.I							
			Taking Out put = 2.832							
			Material							
			III) Local Sand	Cum	0.63	141.85	89.37			
			Cost for 300 cum =A				89.37			
			Rate per cum = (A) /2.832				31.56			
							31.56	268.58	8475.05	847.50
										851.43
									Total Seigniorage Fee	**852.35**

4/3/22
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4/3/22

SL. No	SBD SL.No	MORD Ref No	Description	Unit	Nos	Length	Width	Height	Quantity	Rate	Amount
1			construction of subgrade and Earthen shoulders with approved material obtained from borrow pits with all lifts and lead , transporting to size , spreading , grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as Technical specificatin clause 303.1.								
			Ch 0 10	Cum	1	10	0.5	0.4	2.00		
			Ch 10 11	Cum	1	1	1	0.4	0.40		
			Ch 11 12.5	Cum	1	1.5	0.5	0.3	0.23		
						12.5			2.63	244.2	641
1	3.2	301	Providing Brick bats including spreading laying hand packing and compacting with C.I Hammer in layers not execeeding 75 mm thick including cost of light barriers , danger signals, chowkidar,taxes , royality etc all complete job as per specification and direction of E/I including carriage cost of bricks.								
			Ch 0 10	Cum	1	10	0.5	0.4	2.00		
			Ch 10 11	Cum	1	1	1	0.4	0.40		
			Ch 11 12.5	Cum	1	1.5	0.5	0.3	0.23		
			Ch 300 315	Cum	1	15	2.750	0.60	24.75		
			Ch 450 470	Cum	1	20	3.000	0.60	36.00		
			Ch 750 760	Cum	1	10	2.500	0.30	7.50		
			Ch 850 854	Cum	1	4	2.000	0.40	3.20		
			Ch 960 970	Cum	1	10	2.750	0.50	13.75		
			Ch 1020 1030	Cum	1	10	2.000	0.50	10.00		
			Ch 1050 1080	Cum	1	30	3.000	0.90	81.00		
			Ch 1150 1175	Cum	1	25	2.750	0.60	41.25		
			Ch 1320 1340	Cum	1	20	3.750	0.50	37.50		
			Ch 1410 1420	Cum	1	10	2.750	0.40	11.00		
									268.58	1761.99	473226
										TOTAL COST OF PAVEMENT IN Rs	473867

4/3/22

J.E

A.E

4/3/22

E.E

Name of Road:- MOTORABLE OF L027 DIGHWA DUBOULI [illegible]

District:- Gopalganj

SL.No	item with source	unit	source up to			pucka /surface					katcha						loding & unloding	carriage cost rail head	Total Rs
1	stone metal Gr -I &Gr - II sheikhpura by Rail 271km	cum	Siwan	8 / 4.59	*	7.94	*	64	Km	885.68	8 / 4.59	*	19.22	*	0	0	210.55	1622.02	2718.25
2	stone meta Gr -III (sheikhpura by rail 271 km	cum	Siwan	8 / 4.99	*	7.94	*	64.00	Km	814.69	8 / 4.99	*	19.22	*	0	0	210.55	1676.71	2701.95
3	stone metal Gr -I &Gr - II sheikhpura by Rail 271km	cum	Siwan	8 / 4.99	8	7.94	*	64	Km	814.69	8 / 4.99	*	19.22	*	0	0	210.55	2103.81	3129.05
4	stone boulder (sheikpura by rail 271	cum	Siwan	8 / 4.80	*	7.94	*	64	Km	846.93	8 / 4.8	*	19.22	*	0	0	210.55	1729.87	2787.35
5	Course sand	cum	koilwar	8 / 4.99	*	7.94	*	159	Km	2023.98	8 / 4.99	*	19.22	*	0	0	113.85		2137.83
6	Binding material / moorum (jamul by rail	cum	Siwan	8 / 6	*	7.94	*	64	Km	677.55	8 / 6	*	19.22	*	0	0	113.85	1307.42	2098.82
7	Local sand	cum	Local	8 / 4.99	*	7.94	*	2	Km	25.46	8 / 4.99	*	19.22	*	1	30.81	113.85		170.12
8	Brick	1000 Nos	Local	8 / 2	*	7.94	*	7	Km	222.32	8 / 2	*	19.22	*	1	76.88	478.1		777.30
9	Cement	MT	Local	8 / 8	*	7.94	*	10	Km	79.40	8 / 8	*	19.22	*	0	0	348.12		427.52
10	Steel	MT	Local	8 / 8	*	7.94	*	10	Km	79.40	8 / 8	*	19.22	*	0	0	371.54		450.94
11	Bitumen Emulsion	MT	Muzafarpur	8 / 8	*	7.94	*	189	Km	1500.66	8 / 8	*	19.22	*	0	0	397.72		1898.38
12	Bitumen	MT	Muzafarpur	8 / 8	*	7.94	*	189	Km	1500.66	8 / 8	*	19.22	*	0	0	397.72		1898.38
13	Hume Pipe (1000 mm)	M	Siwan	8 / 10	*	7.94	*	64	Km	406.53	8 / 10	*	19.22	*	0	0	70.96		477.49
14	Hume Pipe (600 mm)	M	Siwan	8 / 25	*	7.94	*	64	Km	162.61	8 / 25	*	19.22	*	0	0	30.41		193.02
15	Hume Pipe (300 mm)	M	Siwan	8 / 60	*	7.94	*	64	Km	67.75	8 / 60	*	19.22	*	0	0	30.41		98.16

Cost of Haulage Excluding Loading s Unloading as Per		
Type Of Road	Per Ton .Km by Tipper	Per Ton Km by Truck
For Surface Road	10.1	7.94
Unsurface Gravel Road	12.1	9.55
Kachha road	24.3	19.22

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Analysis for Carriage Through Railway from Quarry Site to Work Site

Sheikhpura to Siwan

Material - Stone Metal Gr -I & Gr - II

uarry site to sheikpura Railway yard (By Road)

Carrige cost & lead in km

pucka/surface										katcha									loading & Unloading			Total
8.00 / 4.59	X	10.10	X	4.00	Km	Rs	70.41	+		8.00 / 4.59	X	24.30	X	0.00	=	Rs	0.00	Rs	105.12	=	Rs	175.53

Unsurface $\frac{8.00}{4.59}$ * 12.10 * 1.00 Km = Rs 21.09

Loding & Unloding Cost by manual Rs 210.55 = Rs 210.55

Total Rs 407.17

Less for O.H & C.P = 407.17 / 1.166 = Rs 349.20 Total 'A' = Rs 349.20

Sheikpura Railway yard to siwan Railway yard = 271.00 km

Railway freight charge from sheikpura railway station to siwan railway station	1 for	1 MT	271.0	Km 462.50	=	Rs 462.50
Busy Seasion charge 15 of Railway freight charge	for	1 MT	=	15%	=	Rs 69.38
Railway develoment charge to 5% railway freight charge	for	1 MT	=	5%	=	Rs 23.13
Terminal charge @ Rs.40.00 per Terminal per MT	for	1 MT	=	40.00	=	Rs 0.00
GST 0%"(4% included in overhead charge)	= Rs	555.01	X 0%		=	Rs 0.00
TOTAL	for	1 MT			=	Rs 555.01
Rail Fright = 1.743 X 555.01	for	1 MT		B'	=	Rs 967.38
Gross cost for Railway Freight charge "A' + 'B'	for	1 MT			=	Rs 1316.58

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Add 12% Overhead Charge	=	12%	=	Rs 157.99
Add 10% Contractor Profit	=	10%	=	Rs 147.46
Carrige Cost from Quarry to Siwan Railway Yard for 1 MT			=	Rs 1622.03

ANALYSIS FOR CARRIGE THROUGH RAILWAY FROM QUARRY SITE TO WORK SITE

Sheikpura to Siwan

Material - Stone Metal Gr - III/GSB

Quarry Site to Sheikpura Railway Yard (By Road)

CARRIAGE COST & LEAD IN KM

Pucka /surface									katcha	loding&unl	TOTAL											
8.00 / 4.99	X	10.10	X	4.00	Km	Rs	64.77	+	8.00 / 4.99	X	24.30	X	0.00	=	Rs	0.00	Rs	105.12	=	Rs	169.89	

Unsurface $\frac{8.00}{4.99}$ * 12.10 * 1.00 Km = Rs 19.40

Loading & Unloading Cost by manual = 210.55 = Rs 210.55

Total = Rs 399.84

Less for O.H & C.P = 399.84 / 1.166 = Rs 342.92 Total 'A' = Rs 342.92