

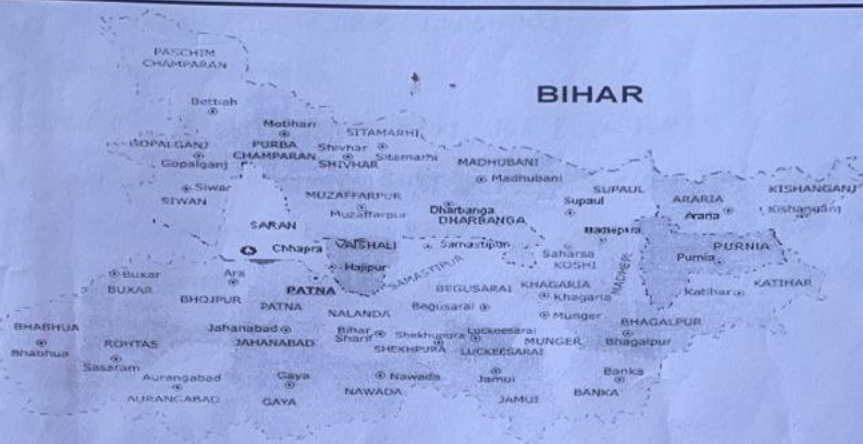


ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

2021-22

FDR



MOTORABLE FOR MARWA TO FAIJULLAHPUR

DISTRICT	:-	GOPALGANJ	
DIVISION	:-	GOPALGANJ-2	
BLOCK	:-	BAIKUNTHPUR	
TOTAL LENGTH OF ROAD	:-	5.360	KM
DAMAGED LENGTH OF ROAD	:-	0.280	KM
PART-A TOTAL COST OF INTIAL RECTIFICATION IN SURFACE RENEUAL	:-	38.365	Lac
TOTAL COST OF PROJECT	:-	38.449	Lac

Inspection Report For Flood Damage Work

Date :

1 Name of PICU : RWD, WORKS DIVISION, GOPALGANJ-2

2 Name of Block/Road : BAIKUNTHPUR/ MARWA TO FAIZULLAHPUR

A For Road

1 Damage Location/Chainage : 600-900M, 1300-1500M, 4500-4600M

2 Damage Length : 152M 87M 41M

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 : J.C.B, TRACTOR WITH TROLLY

iii) Procedure taken up in Restoration Works :

iv) Restored Length : 280M

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]
21/12/21

J.E

A.E

E.E

checked by me

[Signature]
21/12/21

26/12/21

Inspection Officer

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमण्डल हथुआ (गोपालगंज)

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

[Signature]
17/01/22

REPORT

Name of Work :- Motorable for Marwa To Faijullahpur

Estimate Cost :- 38.44 Lac

Total Length :- 5.360 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, earthen shoulders & empty cement bag. 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.


21/12/21
J.E


2-12-21
A.E


21/12/21
E.E

FDR

GENERAL ABSTRACT OF COST

Block:-- BAIKUNTHPUR

District:- GOPALGANJ

Length of Road:-- 5.360 KM

Name of Road:-- MOTORABLE FOR MARWA TO FAIJULLAHPUR

SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION :	38.365 Lacs
B	Total Seigniorage Fee	0.084 Lacs
	TOTAL :	38.449 Lacs

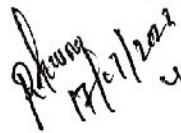

Junior Engineer

Asstt. Engineer


Executive Engineer

Technically Sanctioned for Rs 38.449 lacs (Rupees) Thirty Eight
Lac forty four Thousand Nine Hundred only

SE 
Superintending Engineer
RWD Work Circle, Siwan

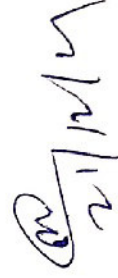

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Name of Road :-			MOTORABLE FOR MARWA TO FAJULAHHPUR				Block :-	BAIKUNTHPUR		Length :-	5.360 km
Sl. No.	SDB SL No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs	Total material Qty. required (Cum)	Total Amount	Add 10 % Seigniorage Fee	
1	3.14	303.1	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	900.00	31,338.00	3,133.80	
2	4.1	401	BRICK BAT								
			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.								
		(i)	For Brick Bat								
			Unit = cum								
		a)	Material								
			Local Sand	Cum	0.63	141.85	89.37				
			Cost for 2.832 cum = A				89.37				
			Rate per cum = (A)/2.832	cum			31.56				
			Total Cost				31.56	1,674.69	52,845.79	5,284.58	
			Total Seigniorage Fee						8,418.38		


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GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD : MOTORABLE FOR MARWA TO FAIJULLAHPUR
DISTRICT GOPALGANJ
BLOCK BAIKUNTHPUR
DIVISION GOPALGANJ-2
LENGTH OF ROAD (in Km) 5.360

Sl. No.	DESCRIPTION	Amount	1 % Labour Cess	12 % GST	1% Labour Cess & 12% GST AMOUNT (LAKHS)
	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL				
1	BRICK BAT	29.508	0.295	3.541	33.344
2	EARTHWORK	2.198	0.022	0.264	2.484
3	EMPTY CEMENT BAG	1.738	0.017	0.209	1.964
4	RCC pipe NP-3 for culverts	0.508	0.005	0.061	0.574
	SUB TOTAL OF INTIAL RECTIFICATION INDLUCDING SURFACE RENEWAL	33.951	0.340	4.074	38.365
	Total Seigniorage Fee				0.084
	TOTAL COST OF PROJECT IN LACS =	33.951	0.340	4.074	38.449


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Analysis for Carriage by Road & Rail

Name of Road:-- MOTORABLE FOR MARWA TO FAJULLAHAPUR

District:- GOPALGANJ

Block :- BAIKUNTHPUR

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km		Katcha		Loading & Unloading Cost	Carriage Cost by Rail Head	Total ₹
				Pukka / Surface						
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 4.59	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	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 4.99	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	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 4.99	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	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 4.80	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	210.55	1729.87	Rs. 2787.35
5	Course Sand	Cum	Koilwar	8.00 x 7.94 x 159.00 Km = Rs 2023.98 4.99	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	113.85		Rs. 2137.83
6	Binding Material/Moorum (Janui by Rail 275 Km)	Cum	Siwan	8.00 x 7.94 x 64.00 Km = Rs 677.55 6.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	113.85	1307.42	Rs. 2098.82
7	Local Sand	Cum	Local	8.00 x 7.94 x 2.00 Km = Rs 25.46 4.99	8.00 x 19.22 x 1.00 Km = Rs 30.81	8.00 x 19.22 x 1.00 Km = Rs 30.81	8.00 x 19.22 x 1.00 Km = Rs 30.81	113.85		Rs. 170.12
8	Brick	1000 Nos	Local	8.00 x 7.94 x 7.00 Km = Rs 222.32 2.00	8.00 x 19.22 x 1.00 Km = Rs 76.88	8.00 x 19.22 x 1.00 Km = Rs 76.88	8.00 x 19.22 x 1.00 Km = Rs 76.88	478.10		Rs. 777.30
9	Cement	MT	Local	8.00 x 7.94 x 10.00 Km = Rs 79.40 8.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	348.12		Rs. 427.52
10	Steel	MT	Local	8.00 x 7.94 x 10.00 Km = Rs 79.40 8.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	371.54		Rs. 450.94
11	Bitumen Emulsion	MT	Muzaffarpur	8.00 x 7.94 x 189.00 Km = Rs 1500.66 8.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	397.72		Rs. 1898.38
12	Bitumen	MT	Muzaffarpur	8.00 x 7.94 x 189.00 Km = Rs 1500.66 8.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	397.72		Rs. 1898.38
13	Hume Pipe (1000 mm)	m	Siwan	8.00 x 7.94 x 64.00 Km = Rs 406.53 10.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	70.96		Rs. 477.49
14	Hume Pipe (600 mm)	m	Siwan	8.00 x 7.94 x 64.00 Km = Rs 162.61 25.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	30.41		Rs. 193.02
15	Hume Pipe (300 mm)	m	Siwan	8.00 x 7.94 x 64.00 Km = Rs 67.75 60.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	8.00 x 19.22 x 0.00 Km = Rs 0.00	30.41		Rs. 98.16

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

* Subjected to Verification of Lead

JE RWD
AE RWD
EE RWD

21/12/24