



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR MAINTENANCE OF ROAD



NAME OF THE ROAD :- PATAHI PHENHARA ROAD TO BOKANE VIA BOKANE PATTI

DISTRICT - EAST CHAMPARAN

BLOCK - PATAHI

TOTAL LENGTH OF ROAD	:	1.500	KM
AVERAGE COST PER KM	:	47.842	Lac
PART-A TOTAL COST OF INTIAL RECTIFICATION IN SURFACE RENEUAL	:	71.763	Lac
ADD LABOUR CESS @ 1% (A)	:	0.718	Lac
ADD GST @ 18% (A)	:	12.917	Lac
SEIGNIORAGE FEE	:	0.702	Lac
PART-B TOTAL COST OF 5 YEAR ORDINARY MAINTENANCE	:	15.664	Lac
ADD LABOUR CESS @ 1% (B)	:	0.157	Lac
ADD GST @ 18% (B)	:	2.820	Lac
SEIGNIORAGE FEE	:	0.018	Lac
EMERGENT COST 10% OF CONSTRUCTION	:	8.610	Lac
TOTAL COST OF PROJECT	:	113.368	Lac

SUBMITTED BY:- EXECUTIVE ENGINEER
R.W.D. WORKS DIVISION, PAKARIDAYAL.

PREPARED BY:- M/S - RANKINE TECHNO CONSULTANCY PVT. LTD.
Geetanjali Bhawan, Ground Floor, Beside of St. Karens
Primary School, Baldeo Bhawan-Pump House Road,
Punai Chak, Patna - 800023

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD : PATAHI PHENHARA ROAD TO BOKANE VIA BOKANE PATTI

DISTRICT East Champaran
BLOCK Patahi
LENGTH OF ROAD (in Km) 1.800
LENGTH OF BT PAVEMENT 1100.00
LENGTH OF CC PAVEMENT 400.00
CD STRUCTURES
CE HUME PIPE 2
HU RCC CULVERT 0

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A		
INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL		
1	PREPARATORY WORKS ,SITE CLEARANCE , DISMANTLING	0.218
2	EARTHWORK	2.272
3	GSB	1.079
4	WBM GRADE II	2.935
5	WBM GRADE III	6.375
6	PRIME COAT	1.004
7	TACK COAT	1.208
8	PATCH WORK USING MIX SEAL SURFACING	5.100
9	SEMI-DENSE BITUMINOUS CONCRETE	16.275
10	BITUMINOUS MACADAM	0.000
11	CC PAVEMENT	22.584
12	DRAINS & CROSS DRAINS	0.000
13	PROTECTION WORKS	0.000
14	ROAD FURNITURES , KM STONES , TRAFFIC & DIRECTION SIGN, PROJECT LOGO AND PLANTATION OF TREE	5.214
15	CROSS DRAINAGE STRUCTURES	5.100
I	HUME PIPE	6.363
II	BOX CULVERT	0.000
III	DISMENALING OF CULVERT	0.000
IV	REPAIR WORK	0.000
SUB	TOTAL OF INTIAL RECTIFICATION INDLUCDING SURFACE RENEWAL =	71.763
	AVERAGE COST PER KM (IN LACS) =	47.842
PART-B		
5 YEAR ORDINARY MAINTENANCE COST		
	I st Year	1.401
	II nd Year	1.993
	III rd Year	4.728
	IV th Year	2.489
	V th Year	5.053
	SUB TOTAL OF 5 YEAR ORDINARY MAINTENANCE COST =	15.664
	TOTAL COST OF 5 YEAR ORDINARY MAINTENANCE PER MONTH (IN LACS)	0.261
	ADD LABOUR CESS @ 1% (A+B)	0.874
	ADD GST @ 18% (A+B)	15.737
	ADD SEIGNIORAGE FEE	0.720
	EMERGENT COST 10% OF CONSTRUCTION	8.610
	TOTAL COST OF PROJECT IN LACS =	113.368

J.E. 98/3-23.

A.E.

E.E.

28/3/23

M/R UNDER 3054

GENERAL ABSTRACT OF COST

NAM E OF	Item of Work	Amount
		70.512
A	COST OF CONSTRUCTION	71.763 Lacs
	SEIGNIORAGE FEE	0.686 71.763 Lacs
	ADD LABOUR CESS @ 1%	0.705 71.763 Lacs
	ADD GST @ 18%	12.652 71.763 Lacs
	TOTAL COST OF CONSTRUCTION (A)	84.595 86.100 Lacs
B	COST OF FIVE YEAR MAINTENANCE	15.664 Lacs
	SEIGNIORAGE FEE	0.018 Lacs
	ADD LABOUR CESS @ 1%	0.157 Lacs
	ADD GST @ 18%	2.820 Lacs
	TOTAL COST OF FIVE YEAR MAINTENANCE (B)	18.658 Lacs
C	AVERAGE COST PER KM	47.842 Lacs
D	EMERGENT COST 10% OF CONSTRUCTION	8.610 Lacs
	TOTAL	113.368 Lacs

[Signature]
98.323
Junior Engineer

[Signature] 28/3/23
Asstt. Engineer

104.76 Lacs 108.253
[Signature] 28/3/23
Executive Engineer

CS
@ 06.04.2023
Superintending Engineer
Rural Works Department
Works Circle, Motihari
[Signature]
06/04/2023