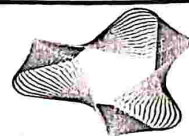




ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar



NEW DEVELOPMENT BANK

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

DETAILED PROJECT REPORT

YEAR (2022 - 2023)

MMGSY-TRENCH-III

(NEW DEVELOPMENT BANK FUNDED)

STATE :- BIHAR

DISTRICT :- East Champaran

BLOCK :- Madhubani



NH-104 Shiv Mandir to Moglania Mahadalit Tola

TOTAL LENGTH OF ROAD	:- 0.950 Km
TOTAL COST OF CD WORKS	:- Rs. 4.775 Lakhs
TOTAL COST OF PAVEMENT	:- Rs. 87.432 Lakhs
TOTAL COST OF CONSTRUCTION	:- Rs. 92.208 Lakhs
COST OF ROAD CONSTRUCTION PER KM	:- Rs. 97.061 Lakhs
5 YEAR MAINTENANCE COST	:- Rs. 7.217 Lakhs
TOTAL SEIGNIORAGE FEE	:- Rs. 1.190 Lakhs
CONTINGENCY 2.25% ON CONSTRUCTION CO	:- Rs. 2.075 Lakhs

TOTAL COST OF PROJECT :- Rs. 102.690 Lakhs

TOTAL COST OF PROJECT PER KM :- Rs. 108.095 Lakhs

SUBMITTED BY:
EXECUTIVE ENGINEER
RWD WORKS DIVISION, PAKARIDAYAL
EAST CHAMPARAN

PREPARED BY:
FALAK ASSOCIATES PVT. LTD.
KUMAR COMPLEX, NEAR GANDHI MURTI
PUNAICHAK, PATNA - 800 023

TS COPY

Mukhya Mantri Gram Sampark Yojna (Trenche-III)

FORMAT F-5

YEAR (2022 - 2023)

GENERAL ABSTRACT OF COST

Block:--Pakaridayal

District:--East Champaran

Length of Road:-- 0.950 KM

Name of Road:-- NH-104 Shiv Mandir to Moglania Mahadalit Tola

SL. No.	Item of Work	Amount
		77.079
	COST OF CONSTRUCTION	77.486 Lakhs
	CONSTRUCTION LABOUR CESS 1 %	0.771 0.775 Lakhs
	CONSTRUCTION GST 18 %	13.074 13.947 Lakhs
	CONSTRUCTION SEIGNIORAGE AMOUNT	1.090 Lakhs
A	TOTAL COST OF CONSTRUCTION	92.014 93.298 Lakhs
	FIVE YEAR MAINTENANCE COST	6.065 Lakhs
	MAINTENANCE LABOUR CESS 1 %	0.061 Lakhs
	MAINTENANCE GST 18 %	1.092 Lakhs
	MAINTENANCE SEIGNIORAGE AMOUNT	0.100 Lakhs
B	TOTAL FIVE YEAR MAINTENANCE COST	7.317 Lakhs
C	CONTINGENCY 2.25% OF TOTAL COST OF CONSTRUCTION	2.075 2.080 Lakhs
		1.734
	TOTAL	102.690 Lakhs

Junior Engineer

Asstt. Engineer

Executive Engineer

Superintending Engineer
Rural Works Department
Circle, Motihari

सावधानी की शक्ति में कमी के कारण है, मरों की मात्रा की तकनीकी अनुमोदन सावधानी के अनुरूप है, लगभग 40% Old PCC की Discontinuing के लिए उपलब्ध है।

25/02/23
T.E

25/02/23
A.E

E.E

A.A Details

A.A. Provide vide Letter No- 77 Dated. 09-02-2023 Length- 0.950 K.m

Const. Cost - 84.19 Lakh

Yearly maint. cost - 6.59 Lakh

90.78 Lakh

Contingency cost - 1.87 Lakh

Grand Total - 92.65 Lakh

Technically Sanctioned of Road Length 0.95 KM for Rs. 102.69 Lacs
(one Crore Two Lacs Sixty Nine Thousand) only
Sanction of Estimate does not mean Sanction of rates.
Conditions and directions laid down in attached technical norms with the DPR is to be followed strictly.

26-4-23
A.E.
RWD

26/4/23
E.E.
RWD

26/4/23
C.E.
RWD, PATNA

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : NH-104 Shiv Mandir to Moglania Mahadalit Tola
DISTRICT East Champaran
BLOCK Pakaridayal
LENGTH OF ROAD (in Km) : 0.950
LENGTH OF BT PAVEMENT 220
LENGTH OF CC PAVEMENT 450
LENGTH OF NO WORK 280
CD STRUCTURES
HUME PIPE 1
RCC CULVERT 0
BOX CELL CULVERT 0
CAUSEWAY / MINOR BRIDGE 0

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)	Labour Cess 1%	GST 18 %	AMOUNT (LAKHS)
1	PREPARATORY WORKS, SITE CLEARANCE, DISMANTLING	1.023	0.010	0.184	1.217
2	EARTHWORK	2.524	0.025	0.454	3.004
3	GSB	14.524	0.145	2.614	17.283
4	WBM GRADE II	0.000	0.000	0.000	0.000
5	WBM GRADE III	13.768	0.138	2.478	16.384
6	PRIME COAT	1.169	0.012	0.210	1.391
7	TACK COAT	0.402	0.004	0.072	0.479
8	MIX SEAL SURFACE	5.688	0.057	1.024	6.769
9	SEAL COAT	0.000	0.000	0.000	0.000
10	CEMENT CONCRETE PAVEMENT	26.122	0.261	4.702	31.085
11	HARD SHOULDERING	3.236	0.032	0.583	3.851
12	SIDE DRAINS	0.000	0.000	0.000	0.000
13	PROTECTION WORKS / BOULDER PITCHING	0.000	0.000	0.000	0.000
14	ROAD FURNITURES, KM STONES, TRAFFIC & DIRECTION SIGN, PMGSY LOGO	4.609	0.050	0.903	5.969
	SUB TOTAL OF PAVEMENT COST IN LAKHS =	73.473	0.735	13.225	87.432
15	CROSS DRAINAGE STRUCTURES	3.737	0.037	0.673	4.447
I	HUME PIPE	0.000	0.000	0.000	0.000
II	RCC	0.000	0.000	0.000	0.000
III	BOX	0.000	0.000	0.000	0.000
IV	CAUSEWAY	0.000	0.000	0.000	0.000
V	REPAIR OF CD WORK	0.276	0.003	0.050	0.329
	SUB TOTAL OF CD STRUCTURES COST IN LAKHS =	4.013	0.040	0.722	4.775
	Sub Total :-	77.486	0.775	13.947	92.208
	5 years Maintenance	6.065	0.061	1.092	7.217
I	1st Year Maintenance cost	0.342	0.003	0.062	0.407
II	2nd Year Maintenance cost	0.416	0.004	0.075	0.495
III	3rd Year Maintenance cost	2.179	0.022	0.392	2.593
IV	4th Year Maintenance cost	0.723	0.007	0.130	0.860
V	5th Year Maintenance cost	2.405	0.024	0.433	2.862
	Total Cost of 5 years Maintenance IN LAKHS =	6.065	0.061	1.092	7.217
	TOTAL SEIGNIORAGE FEE IN LAKHS =				1.190
	Add Contingency Charges @ 2.25% of Sub Total :-				2.075
	TOTAL COST OF PROJECT IN LAKHS =	83.550	0.836	15.039	102.690
	Total Cost of Project Per Km (IN LAKHS):-				108.095

25/02/23
Junior Engineer
RWD Works Division, Pakaridayal

25/02/23
Assistant Engineer
RWD Works Division, Pakaridayal

25/02/23
Executive Engineer
RWD Works Division, Pakaridayal