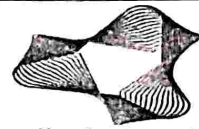




ग्रामीण कार्य विभाग

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 :- Madhuban



Pakariya Chowk se Madhuban Chakia PWD Road

TOTAL LENGTH OF ROAD	:- 2.350 Km
TOTAL COST OF CD WORKS	:- Rs. 13.848 Lakhs
TOTAL COST OF PAVEMENT	:- Rs. 213.212 Lakhs
TOTAL COST OF CONSTRUCTION	:- Rs. 227.061 Lakhs
COST OF ROAD CONSTRUCTION PER KM	:- Rs. 96.622 Lakhs
5 YEAR MAINTENANCE COST	:- Rs. 21.992 Lakhs
TOTAL SEIGNIORAGE FEE	:- Rs. 3.431 Lakhs
CONTINGENCY 2.25% ON CONSTRUCTION CO:	:- Rs. 5.109 Lakhs

TOTAL COST OF PROJECT :- Rs. 257.593 Lakhs

TOTAL COST OF PROJECT PER KM :- Rs. 109.614 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

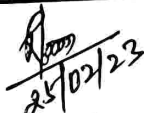
Block:--Madhuban

District:--East Champaran

Length of Road:-- 2.350 KM

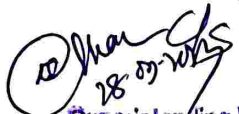
Name of Road:-- Pakariya Chowk se Madhuban Chakia PWD Road

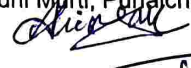
SL. No.	Item of Work	Amount
		189.997
	COST OF CONSTRUCTION	190.808 Lakhs
	CONSTRUCTION LABOUR CESS 1 %	1.908 Lakhs
	CONSTRUCTION GST 18 %	34.345 Lakhs
	CONSTRUCTION SEIGNIORAGE AMOUNT	2.883 Lakhs
A	TOTAL COST OF CONSTRUCTION	229.944 Lakhs
	FIVE YEAR MAINTENANCE COST	18.481 Lakhs
	MAINTENANCE LABOUR CESS 1 %	0.185 Lakhs
	MAINTENANCE GST 18 %	3.327 Lakhs
	MAINTENANCE SEIGNIORAGE AMOUNT	0.548 Lakhs
B	TOTAL FIVE YEAR MAINTENANCE COST	22.540 Lakhs
C	CONTINGENCY 2.25% OF TOTAL COST OF CONSTRUCTION	5.109 Lakhs
		4.299
	TOTAL	257.593 Lakhs


25/02/23
Junior Engineer


Asstt. Engineer


257.59 Lac
255.793
Executive Engineer


28/02/23
Superintending Engineer
Rural Works Department
Ward No. 10, Molihari


28/02/2023

A.A Details

A.A. Provide vide Letter No - 77 Dated - 09-02-2023

Length - 2.350 K.m

Const. Cost - 207.000 Lakh

5 years maint. Cost - 20.170 Lakh

Total 227.17 Lakh

Contingency Cost - 4.590 Lakh

Grand Total - 231.760 Lakh

Technically Sanctioned of Road Length 2.35 KM for Rs. 257.59 Lacs
(Two Crore Fifty Seven Lacs Fifty Nine Thousand) only
Sanction of Estimate does not mean Sanction of rates.
Conditions and directions laid down in attached technical notes
with the DPR is to be followed Strictly.

26.1.23
A.E.
RWD

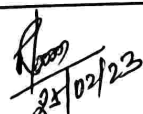
26.1.23
E.E.
RWD

26/1/23
C.E. 3
RWD, PATNA

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : Pakariya Chowk se Madhuban Chakia PWD Road
DISTRICT East Champaran
BLOCK Madhuban
LENGTH OF ROAD (in Km) : 2.350
LENGTH OF BT PAVEMENT 1270
LENGTH OF CC PAVEMENT 1050
LENGTH OF NO WORK 30
CD STRUCTURES
HUME PIPE 3
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	1.578	0.016	0.284	1.878
2	EARTHWORK	10.606	0.106	1.909	12.621
3	GSB	39.201	0.392	7.056	46.649
4	WBM GRADE II	0.000	0.000	0.000	0.000
5	WBM GRADE III	33.831	0.338	6.089	40.258
6	PRIME COAT	3.154	0.032	0.568	3.753
7	TACK COAT	1.085	0.011	0.195	1.291
8	MIX SEAL SURFACE	15.215	0.152	2.739	18.106
9	SEAL COAT	0.000	0.000	0.000	0.000
10	CEMENT CONCRETE PAVEMENT	60.209	0.602	10.838	71.649
11	HARD SHOULDERING	4.285	0.043	0.771	5.099
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	9.127	0.100	1.801	11.909
SUB TOTAL OF PAVEMENT COST IN LAKHS =		179.170	1.792	32.251	213.212
15	CROSS DRAINAGE STRUCTURES	78.135			
I	HUME PIPE	11.088	0.111	1.996	13.195
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	0.549	0.005	0.099	0.654
SUB TOTAL OF CD STRUCTURES COST IN LAKHS =		11.637	0.116	2.095	13.848
Sub Total :-		190.806	1.908	34.345	227.061
5 years Maintenance		18.997			
I	1st Year Maintenance cost	1.051	0.011	0.189	1.251
II	2nd Year Maintenance cost	1.325	0.013	0.239	1.577
III	3rd Year Maintenance cost	6.162	0.062	1.109	7.332
IV	4th Year Maintenance cost	2.781	0.028	0.500	3.309
V	5th Year Maintenance cost	7.163	0.072	1.289	8.523
Total Cost of 5 years Maintenance IN LAKHS =		18.481	0.185	3.327	21.992
TOTAL SEIGNIORAGE FEE IN LAKHS =					3.431
Add Contingency Charges @ 2.25% of Sub Total :-					5.109
TOTAL COST OF PROJECT IN LAKHS =		209.288	2.093	37.672	257.593
Total Cost of Project Per Km (IN LAKHS):-					109.614


 Junior Engineer
 RWD Works Division, Pakaridayal


 Assistant Engineer
 RWD Works Division, Pakaridayal


 Executive Engineer
 RWD Works Division, Pakaridayal