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10/8/23



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 (2023 - 2024)

MMGSY-TRANCHE-III

(NEW DEVELOPMENT BANK FUNDED)

STATE :- BIHAR

DISTRICT :- East Champaran

BLOCK :- Phenhara



Purvi Champaran Jila antargat Phenhara Prakhand Kakarahiya Matharwa to Naurangia Ghat

TOTAL LENGTH OF ROAD	:- 2.300 Km
TOTAL COST OF CD WORKS	:- Rs. 174.789 Lakhs
TOTAL COST OF PAVEMENT	:- Rs. 241.512 Lakhs
TOTAL COST OF CONSTRUCTION	:- Rs. 416.300 Lakhs
COST OF ROAD CONSTRUCTION PER KM	:- Rs. 181.000 Lakhs
5 YEAR MAINTENANCE COST	:- Rs. 20.417 Lakhs
TOTAL SEIGNIORAGE FEE	:- Rs. 5.090 Lakhs
CONTINGENCY 2.25% ON CONSTRUCTION CO	:- Rs. 9.367 Lakhs
TOTAL COST OF PROJECT	:- Rs. 451.175 Lakhs
TOTAL COST OF PROJECT PER KM	:- Rs. 196.163 Lakhs

TS COPY

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

Mukhya Mantri Gram Sampark Yojna (Trenche-III)

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YEAR (2023 - 2024)

GENERAL ABSTRACT OF COST

Block:--Phenhara

District:--East Champaran

Length of Road:-- 2.300 KM

Name of Road:-- Purvi Champaran Jila antargat Phenhara Prakhand Kakarahiya
Matharwa to Naurangia Ghat

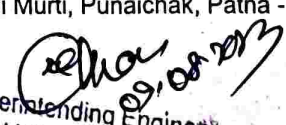
SL. No.	Item of Work	Amount
	COST OF CONSTRUCTION	₹ 349.832 Lakhs
	CONSTRUCTION LABOUR CESS 1 %	₹ 3.498 Lakhs
	CONSTRUCTION GST 18 %	₹ 62.970 Lakhs
	CONSTRUCTION SEIGNIORAGE AMOUNT	₹ 4.429 Lakhs
A	TOTAL COST OF CONSTRUCTION	₹ 420.729 Lakhs
	FIVE YEAR MAINTENANCE COST	₹ 17.157 Lakhs
	MAINTENANCE LABOUR CESS 1 %	₹ 0.172 Lakhs
	MAINTENANCE GST 18 %	₹ 3.088 Lakhs
	MAINTENANCE SEIGNIORAGE AMOUNT	₹ 0.662 Lakhs
B	TOTAL FIVE YEAR MAINTENANCE COST	₹ 21.079 Lakhs
C	CONTINGENCY 2.25% OF TOTAL COST OF CONSTRUCTION	₹ 9.367 Lakhs
	TOTAL	₹ 451.175 Lakhs


04/08/23
Junior Engineer


4/8/23
Asstt. Engineer


4.8.23
Executive Engineer

Prepared By:--Falak Associates Pvt. Ltd., Near Gandhi Murti, Punaichak, Patna - 800 023
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Supervising Engineer
Rural Works Department
Works Circle, Motihari
04/08/2023

A.A. length. 2.30 KM Amount Rs. 431.61 Lac vide letter
No - 1346 dt - 28-7-23

Technically Sanctioned of Road Length 2.30 KM for Rs. 451.17 Lac
(Four Crore Fifty one Lacs Seventeen 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.

28.7.23
A.E.
RWD

W. J. J. J.
E.E.
RWD

Am
C.E. 3787
RWD, PATNA

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : Purvi Champaran Jila antargat Phenhara Prakhand Kakarahiya Matharwa to Naurangla Ghat
DISTRICT East Champaran
BLOCK Phenhara
LENGTH OF ROAD (In Km) : 2.300
LENGTH OF BT PAVEMENT 1520
LENGTH OF CC PAVEMENT 780
LENGTH OF NO WORK 0
CD STRUCTURES
HUME PIPE 1
RCC CULVERT 0
BOX CELL CULVERT 8
CAUSEWAY / MINOR BRIDGE 0

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)	Labour Cess 1%	GST 18 %	AMOUNT (LAKHS)
1	PREPARATORY WORKS, SITE CLEARANCE, DISMANTLING	1.216	0.012	0.219	1.447
2	EARTHWORK	29.118	0.291	5.241	34.651
3	GSB	54.685	0.547	9.843	65.075
4	WBM GRADE II	0.000	0.000	0.000	0.000
5	WBM GRADE III	35.972	0.360	6.475	42.807
6	PRIME COAT	3.645	0.036	0.656	4.337
7	TACK COAT	1.248	0.012	0.225	1.486
8	MIX SEAL SURFACE	18.391	0.184	3.310	21.886
9	SEAL COAT	0.000	0.000	0.000	0.000
10	CEMENT CONCRETE PAVEMENT	44.024	0.440	7.924	52.388
11	HARD SHOULDERING	3.192	0.032	0.575	3.798
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	11.460	0.115	2.063	13.637
	SUB TOTAL OF PAVEMENT COST IN LAKHS =	202.951	2.030	36.531	241.512
15	CROSS DRAINAGE STRUCTURES				
I	HUME PIPE	3.819	0.038	0.687	4.545
II	RCC	0.000	0.000	0.000	0.000
III	BOX	141.932	1.419	25.548	168.900
IV	CAUSEWAY	0.000	0.000	0.000	0.000
V	REPAIR OF CD WORK	1.130	0.011	0.203	1.344
	SUB TOTAL OF CD STRUCTURES COST IN LAKHS =	146.881	1.469	26.439	174.789
	Sub Total ₹ :-	349.832	3.498	62.970	416.300
	5 years Maintenance				
I	1st Year Maintenance cost	1.319	0.013	0.238	1.570
II	2nd Year Maintenance cost	1.628	0.016	0.293	1.938
III	3rd Year Maintenance cost	6.864	0.069	1.236	8.168
IV	4th Year Maintenance cost	3.377	0.034	0.608	4.019
V	5th Year Maintenance cost	3.969	0.040	0.714	4.723
	Total Cost of 5 years Maintenance IN LAKHS =	17.157	0.172	3.088	20.417
	TOTAL SEIGNIORAGE FEE IN LAKHS =				5.090
	Add Contingency Charges @ 2.25% of Sub Total :-				9.367
	TOTAL COST OF PROJECT IN LAKHS =	366.990	3.670	66.058	451.175
	Total Cost of Project Per Km (IN LAKHS):-				196.163

04/08/23

Junior Engineer
RWD Works Division, Pakaridaya

04/08/23
Assistant Engineer
RWD Works Division, Pakaridaya

04/08/23
Executive Engineer
RWD Works Division, Pakaridaya

प्रकल्पन की शर्तों में वृद्धि दरों से वृद्धि के कारण हुई है। मसौदा की
जाता पूर्व में प्रशासनिक स्वीकृति प्राप्त प्रकल्पन के उपरुक्त है।

04/08/23
J-E