



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

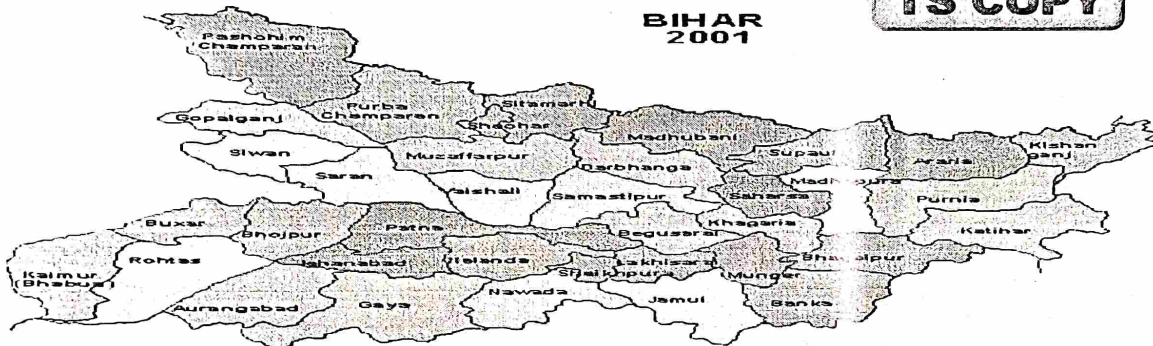
## BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

### DETAILED PROJECT REPORT FOR MAINTENANCE OF ROAD

BIHAR  
2001

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|                                                                                               |                                  |                                                                                                                                                                |          |
|-----------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| DISTRICT :                                                                                    | East Champaran                   | BLOCK :                                                                                                                                                        | Phenhara |
| NAME OF ROAD :                                                                                | MARPA To RAJPUR KAWAL TOLA BRITA |                                                                                                                                                                |          |
| TOTAL LENGTH IN KM.                                                                           | :                                | 1.760                                                                                                                                                          | KMS      |
| TOTAL CONSTRUCTION LENGTH IN KM.                                                              | :                                | 1.760                                                                                                                                                          | KMS      |
| PART-A TOTAL COST OF INTIAL RECTIFICATION<br>IN SURFACE RENEUAL                               | :                                | 108.532                                                                                                                                                        | Lakhs    |
| AVERAGE COST PER KM                                                                           | :                                | 61.666                                                                                                                                                         | Lakhs    |
| PART-B TOTAL COST OF 5 YEAR ORDINARY<br>MAINTENANCE                                           | :                                | 19.693                                                                                                                                                         | Lakhs    |
| TOTAL PROJECT COST                                                                            | :                                | 128.225                                                                                                                                                        | Lakhs    |
| <b>Submitted By:</b><br>Executive Engineer<br>RWD (w) Division, Pakri Dayal<br>East Champaran |                                  | <b>Prepared By:</b><br>Superstar Designer Pvt. Ltd.<br>Flat No. 403, Bhuvaneshwaram Building<br>Nageshwar Colony, Near Boring Road<br>Chauraha, Patna - 800020 |          |

# **GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD**

NAME OF ROAD : MARPA To RAJPUR KAWAL TOLA BRITA

DISTRICT East Champaran  
BLOCK Phenhara  
DIVISION Pakri Dayal  
LENGTH OF CONSTRUCTION ROAD 1.760 km  
LENGTH OF BT PAVEMENT 1.425 km  
LENGTH OF CC PAVEMENT 0.335 km  
CD STRUCTURES  
HUME PIPE 2  
RCC SLAB CULVERT 1

| Sl. No.       | DESCRIPTION                                                                                                 | AMOUNT (LAKHS) |
|---------------|-------------------------------------------------------------------------------------------------------------|----------------|
| <b>PART-A</b> | <b>INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL</b>                                                      |                |
| 1             | PREPARATORY WORKS ,SITE CLEARANCE , DISMANTLING                                                             | 0.246          |
| 2             | EARTHWORK                                                                                                   | 2.784          |
| 3             | GSB GR-II                                                                                                   | 2.322          |
| 4             | WBM GRADE II                                                                                                | 6.925          |
| 5             | WBM GRADE III                                                                                               | 9.689          |
| 6             | PRIME COAT                                                                                                  | 1.390          |
| 7             | Patch work using MSS(15%)(Type B) (Waste Plastic)                                                           | 6.056          |
| 8             | TACK COAT (100%)                                                                                            | 1.672          |
| 9             | SDBC(100%)                                                                                                  | 20.575         |
| 10            | CC PAVEMENT                                                                                                 | 19.569         |
| 11            | DRAIN                                                                                                       | 0.000          |
| 12            | ROAD FURNITURES , KM STONES , TRAFFIC & DIRECTION SIGN, MAINTENANCE BOARD,ROAD SAFETY &PLANTATION OF TREES. | 9.764          |
| 13            | CROSS DRAINAGE                                                                                              | 1.080          |
|               | <b>SUB TOTAL OF INTIAL RECTIFICATION INDLUCDING SURFACE RENEWAL =</b>                                       | <b>82.297</b>  |
|               | <b>AVERAGE COST PER KM (IN LACS) =</b>                                                                      | <b>46.666</b>  |
| <b>PART-B</b> | <b>5 YEAR ORDINARY MAINTENANCE COST</b>                                                                     |                |
|               | I st Year                                                                                                   | 0.887          |
|               | II nd Year                                                                                                  | 2.319          |
|               | III rd Year                                                                                                 | 5.327          |
|               | IV th Year                                                                                                  | 2.406          |
|               | V th Year                                                                                                   | 5.581          |
|               | <b>SUB TOTAL OF 5 YEAR ORDINARY MAINTENANCE COST =</b>                                                      | <b>16.520</b>  |
|               | <b>5 YEAR ORDINARY MAINTENANCE COST</b>                                                                     | <b>16.520</b>  |
|               | <b>TOTAL COST OF 5 YEAR ORDANARY MAINTENANCE PER MONTH (IN LACS)</b>                                        | <b>0.275</b>   |
|               | <b>SUB TOTAL(A) =</b>                                                                                       | <b>98.651</b>  |
|               | <b>18 % GST (B)</b>                                                                                         | <b>17.757</b>  |
|               | <b>1% LABOUR CESS ©</b>                                                                                     | <b>0.987</b>   |
|               | <b>10% SEIGNIORAGE FEE(Const. &amp; Maint.)</b>                                                             | <b>0.963</b>   |
|               | <b>CONTINGENCY COST @2.25%(D)</b>                                                                           | <b>0.000</b>   |
|               | <b>Emergent Cost @ 10% of Total</b>                                                                         | <b>9.867</b>   |
|               | <b>TOTAL COST OF PROJECT (including GST &amp; Labour Cess) IN LACS =</b>                                    | <b>128.225</b> |

81.071

46.063

97.591

17.546

0.976

0.933

117.066

*Stiller*  
20/9/022  
JE  
RWD

*Har* 20/09/02  
AE  
RWD

*Vinayak* 22/9/02  
EE  
RWD

## M/R UNDER 3054

### GENERAL ABSTRACT OF COST

Block:- Phenhara

District:- East Champaran

Construction Length of Road:- 1.760 KM

Name of Road:- MARPA To RAJPUR KAWAL TOLA BRITA

| SL. No. | Item of Work                 | Amount                                        |         |
|---------|------------------------------|-----------------------------------------------|---------|
| A       | TOTAL COST OF CONSTRUCTION   | <del>82.247</del><br><del>82.131</del> Lacs   | 81.071  |
|         | GST @18%                     | <del>14.80</del> <del>14.784</del> Lacs       | 14.593  |
|         | LABOUR CESS @1%              | <del>0.822</del> <del>0.821</del> Lacs        | 0.811   |
|         | 10% SEIGNIORAGE FEE          | <del>0.929</del> Lacs                         | 0.899   |
|         | TOTAL                        | <del>98.798</del> <del>98.666</del> Lacs      | 97.374  |
|         | Emergent Cost @ 10% of Total | <del>9.867</del> Lacs                         |         |
|         | TOTAL (A)                    | 108.532 Lacs                                  | 97.374  |
| B       | FIVE YEAR MAINTENANCE COST   | 16.520 Lacs                                   |         |
|         | GST @18%                     | 2.974 Lacs                                    |         |
|         | LABOUR CESS @1%              | 0.165 Lacs                                    |         |
|         | 10% SEIGNIORAGE FEE          | 0.034 Lacs                                    |         |
|         | TOTAL (B)                    | 19.693 Lacs                                   |         |
| C       | AVERAGE COST PER KM          | <del>61.666</del> Lacs                        | 55.326  |
|         | TOTAL PROJECT COST (A+B)     | <del>128.225</del> Lacs<br><del>118.491</del> | 117.066 |

Junior Engineer

Asstt. Engineer

Executive Engineer

Superintending Engineer  
Rural Works Department  
Works Circle, Motihari