



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

# FDR

STAE :- BIHAR  
DISTRICT :- SAMASTIPUR  
BLOCK :- BIBHUTIPUR

NAME OF ROAD :- Repair of Road Raghapur to Khuria Tola

TOTAL COST OF CONSTRUCTION :- Rs. 1830667  
TOTAL COST OF PROJECT :- Rs. 1830667

17,72,246 = 00

SUBMITTD BY:-  
EXECUTIVE ENGINEER  
RWD (W) DIVISION, DALSINGHSARAI  
SAMASTIPUR

# SUMMARY OF COST ESTIMAT FOR THE PROJECT

NAME OF ROAD :- Repair of Road Raghapur to Khuria Tola

DISTRICT

SAMASTIPUR

BLOCK

BIBHUTIPUR

| S.NO | DESCRIPTION                               | AMOUNT LAKH            |
|------|-------------------------------------------|------------------------|
| 1    | BAMBOO WORK                               | 24562                  |
| 2    | SAND FILLED.BAGS                          | 108051.120             |
| 3    | BRICK BAT                                 | 1117717.306            |
| 4    | GSB                                       | 3,18,028.369729.120    |
|      | SUB TOTAL:-                               | 15,68,359.1620059.546  |
|      | 12% GST on Total Amount:-                 | 1,88,203.40 194407.146 |
|      | 1% lab cess                               | 15684.00 16200.595     |
|      | Total Cost (including GST and Labour Cess | 17,72,246.1830667.287  |

*[Signature]*  
04/11/2020

Junior Engineer

*[Signature]*  
04/11/20

Assistant Engineer

*[Signature]*  
04/11/20

Executive Engineer

RWD (W) Section, Bibhutipur

RWD (W)Sub Division, Bibhutipur

RWD, Works Division, Dalsinghsarai

Technician Approved for Rs 17,72,246.00 Say  
seventeen lakh, seventy two thousand two hundred  
fourty six only.

*[Signature]*  
27.1.2021  
बबोदय बाबबन  
बाबोदय बाबोदय  
बाबोदय बाबोदय

Cost Estimate for Road Work

FORMAT-6

| Sl. No | SDB<br>Sl. No | WORD<br>Ref. No | Description                                                                           | Unit |       |        |       |       |  | Quantity | Rate  | Amount    |
|--------|---------------|-----------------|---------------------------------------------------------------------------------------|------|-------|--------|-------|-------|--|----------|-------|-----------|
| 1      |               |                 | Providing Bamboo Piling                                                               |      |       |        |       |       |  |          |       |           |
|        |               |                 | Damaged Strech                                                                        | No   | 2.0   | 70.0   | x     | 2.000 |  | 280.00   |       |           |
|        |               |                 | Round off Figure                                                                      |      |       | 280.00 | x     | 1.525 |  | 427.00   |       |           |
|        |               |                 |                                                                                       |      |       |        |       |       |  | 427.00   | 284   | 12127     |
| 2      |               |                 | Providing Bamboo Runner                                                               |      |       |        |       |       |  |          |       |           |
|        |               |                 | Damaged Strech                                                                        | No   | 2.0   | 70.0   | 3     |       |  | 420.00   |       |           |
|        |               |                 |                                                                                       |      |       |        |       |       |  |          |       |           |
|        |               |                 | 5% Wastage (Addition)                                                                 |      |       |        |       |       |  | 21.00    |       |           |
|        |               |                 |                                                                                       |      |       |        |       |       |  | 441.00   | 496   | 2187      |
| 3      |               |                 | Supply of Bamboo 63mm to 25 mm dia                                                    |      |       |        |       |       |  |          |       |           |
|        |               |                 | For Pile                                                                              | No   | 280.0 | 3.0    |       |       |  | 840.00   |       |           |
|        |               |                 | For Runner                                                                            |      |       |        |       |       |  | 441.00   |       |           |
|        |               |                 | 5% Wastage (Addition)                                                                 |      |       |        |       |       |  | 281.80   | 8.00  | 10248.000 |
| 5      |               |                 | Sand Filled Bags                                                                      |      |       |        |       |       |  |          |       |           |
|        |               |                 | Laying Filled Bags on Prepared Surface as per specifications and direction of E/L     |      |       |        |       |       |  |          |       |           |
|        |               |                 | Damaged Strech                                                                        | cum  | 2.00  | 70.00  | 1.500 | 0.600 |  | 126.00   |       |           |
|        |               |                 |                                                                                       |      |       |        |       |       |  | 126.00   |       |           |
|        |               |                 | 1 Cum = 35.31 cft.                                                                    |      |       |        |       |       |  |          |       |           |
|        |               |                 |                                                                                       | cft  |       |        |       |       |  | 4449.06  |       |           |
|        |               |                 |                                                                                       |      |       |        |       |       |  |          |       |           |
|        |               |                 | 1 sand bag = 1.2 cft.                                                                 |      |       |        |       |       |  | 3708     |       |           |
|        |               |                 | round off figure (No of Bags)                                                         |      |       |        |       |       |  | 3708.00  | 29.14 | 108651.12 |
| 4      |               |                 | BrickBats                                                                             |      |       |        |       |       |  |          |       |           |
|        |               |                 | Laying Brick Bats on Prepared Soil Surface as per specifications and direction of E/L |      |       |        |       |       |  |          |       |           |
|        |               |                 |                                                                                       |      |       |        |       |       |  |          |       |           |
|        |               |                 | Damaged Strech- Near bridge                                                           | cum  | 2.00  | 70.00  | 1.200 | 1.000 |  | 168.00   |       |           |
|        |               |                 | Damaged Strech-1                                                                      | cum  | 1.00  | 40.00  | 4.500 | 0.600 |  | 108.00   |       |           |
|        |               |                 | Damaged Strech-1                                                                      | cum  | 1.00  | 30.00  | 4.500 | 0.500 |  | 67.50    |       |           |

# Cost Estimate for Road Work

FORMAT-6

| Sl. No.                   | SDB Sl. No. | MORD Ref. No. | Description                      | Unit | 1.00 | 50.00  | 4.000 | 0.400 | Quantity | Rate    | Amount      |
|---------------------------|-------------|---------------|----------------------------------|------|------|--------|-------|-------|----------|---------|-------------|
|                           |             |               | Damaged Strech-1                 | cum  | 1.00 | 50.00  | 4.000 | 0.400 | 80.00    |         |             |
|                           |             |               | Damaged Strech-1                 | cum  | 1.00 | 35.00  | 4.000 | 0.300 | 42.00    |         |             |
|                           |             |               | Damaged Strech-2                 | cum  | 2.00 | 30.00  | 4.500 | 0.400 | 108.00   |         |             |
|                           |             |               | Damaged Strech-2                 | cum  | 1.00 | 45.00  | 4.000 | 0.300 | 54.00    |         |             |
|                           |             |               | Damaged Strech-2                 | cum  | 1.00 | 30.00  | 4.200 | 0.300 | 37.80    |         |             |
|                           |             |               |                                  |      |      |        |       |       | 665.30   | 1680.02 | 1117717.306 |
| 5                         |             |               | GSB                              |      |      |        |       |       |          |         |             |
|                           |             |               | P/V GSB With S/M Grade- I do. Do |      |      |        |       |       |          |         |             |
|                           |             |               |                                  |      |      |        |       |       |          |         |             |
|                           |             |               | Strach-1                         | cum  |      | 155.00 | 4.000 | 0.150 | 93.00    | 1827.75 | 3,18,028.00 |
|                           |             |               | Strach-2                         | cum  |      | 135.00 | 4.000 | 0.150 | 81.00    | 2124.88 | 3,69,729.12 |
|                           |             |               |                                  |      |      |        |       |       | 174.00   |         |             |
| SUB TOTAL                 |             |               |                                  |      |      |        |       |       |          |         | 1620059.55  |
| TOTAL COST OF WORK IN RS. |             |               |                                  |      |      |        |       |       |          |         | 1620059.55  |

15,68,359.200

  
04/11/2020

Junior Engineer  
RWD (W) Section, Bibhutpur

  
04/11/20

Assistant Engineer  
RWD (W) Sub Division, Bibhutpur

  
04/11/20

Executive Engineer  
RWD, Works Division, Dalsinghara