



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

Head :- F.D.R.

YEAR (2024-25)

STATE :- BIHAR

DICTRICT :- SAHARSA

BLOCK :- SALKHUA

DIVISION :- SIMRIBAKHTIYARPUR

**DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF  
ROAD FROM CONST. OF RCC HL BRIDGE IN DENGRAHI TO  
CHIRAIYAAT CH:-7TH KM.**

|                               |    |                  |
|-------------------------------|----|------------------|
| Flood affected Length of Road | :- | 0.070 Km         |
| TOTAL COST OF PAVEMENT        | :- | Rs. 2,225,277.65 |
| TOTAL PROJECT COST            | :- | Rs. 2,225,277.65 |

Submitted By:

Executive Engineer

RWD (W) Division, Simri Bakhtiyarpur

Prepared By:

Executive Engineer

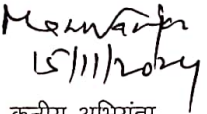
RWD (W) Division, Simri Bakhtiyarpur

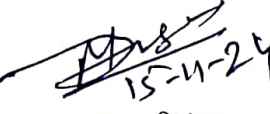
# प्रतिवेदन

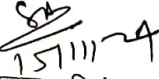
|                         |  |
|-------------------------|--|
| पथ का नाम               | :— Const. of R.C.C Bridge HL Bridge in Dhangarhi to Chiraiya |
| पुल की लंबाई            | :— 150 मी०   |
| बाढ़ से क्षतिग्रस्त भाग | :— 70 मी०  |
| प्राक्कलित राशि         | :— 22225278.00   |
| कार्य प्रमंडल           | :— सिमरी बख्तियारपुर   |
| कार्य अंचल              | :— सहरसा   |
| योजना शीर्ष             | :— FDR   |
| योजना वर्ष              | :— 2024 - 25   |

प्रस्तुत प्राक्कलन कार्य प्रमंडल, सिमरी बख्तियारपुर अंतर्गत सलखुआ प्रखंड में 2024-25 में आई भीषण बाढ़ से क्षतिग्रस्त पथ में मरम्मत मद से यातायात चालू करने हेतु अस्थायी पुनर्स्थापन के अंतर्गत कराये गये कार्य के लिये तैयार किया गया है। पुल के Diverson, में भारी कटाव एवं अत्यधिक जल जमाव हो जाने से यातायात पूर्णरूप से अवरुद्ध हो जाने के कारण तत्काल यातायात बहाल करने हेतु विभागीय निदेशानुसार Drone Time Stamp Videography एवं Geotag Photograph संधारित कर MIS के FDR Module में प्रविष्टि करते हुए पथ के क्षतिग्रस्त भाग में आवश्यकतानुसार Brick Bats भरकर यातायात चालू करने हेतु अस्थायी पुनर्स्थापन कार्य कराया गया है। जिसकी प्राक्कलित राशि Rs 22225278.00 है।

प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू सूचित प्रावधानों एवं वर्तमान अनुसूचित दर के अनुसार कार्यहित एवं स्थलीय आवश्यकता के अनुरूप तैयार किया गया है। जिसमें Contractor Profit एवं Overhead Charge शून्य रखा गया है। अतः अस्थायी पुनर्स्थापन कार्य के सहित कराये कार्य के भुगतान हेतु प्राक्कलन अग्रेतर कारवाई हेतु समर्पित।

  
15/11/2024  
कनीय अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, सिमरी बख्तियारपुर।

  
15-11-24  
सहायक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, सिमरी बख्तियारपुर।

  
15/11/24  
कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, सिमरी बख्तियारपुर।

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY  
RESTORATION OF ROAD FROM CONST. OF RCC  
HL BRIDGE IN DENGRAHI TO CHIRAIYAAT CH:-  
7TH KM.

DIVISION :- SIMRIBAKHTIYARPUR

BLOCK :- SALKHUA

Flood Affected Length of Road :- 0.070 Km

| Sr. No.                                       | Description                 | Amount (In Rs.) |
|---|-----------------------------|-----------------|
| 1   | Total Cost of Restoration=  | 1,793,437.10    |
| 2   | Add:-Labour Cess @1% amt. = | 17,934.37       |
| 3   | Add:GST@18% on amt. =       | 322,818.68      |
| 4   | Add:S.F.@ 10% on Material = | 91,087.50       |
| TOTAL RESTORATION COST OF THE PROJECT IN LACS |                             | 2,225,277.65    |

Say Rs 22,25,278=00

Hemraj  
15/11/2024

Junior Engineer  
RWD (W) Division, Simri Bakhtiyarpur

*[Signature]*  
15-11-24

Assistant Engineer  
RWD (W)  
Division, Simri Bakhtiyarpur

*[Signature]*  
15/11/24

Executive Engineer  
RWD (W)  
Division, Simri Bakhtiyarpur

Personally Technically cautioned for Rs 22,25,278=00 (Rupees).  
Twenty two lacs twenty five thousand two hundred and seventy eight only.

*[Signature]*  
29/11/24  
Superintending Engineer  
R.W.D. Works Circle  
SAHARSA



## Cost Estimate For Flood Restoration Work

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY  
RESTORATION OF ROAD FROM CONST. OF RCC H.L.  
BRIDGE IN DENGRAHI TO CHIRAIYAAT CH:-7TH KM.

BLOCK :-

SALKHUA

DISTRICT :-

SAHARSA

| S.No  | SOR NO   | DESCRIPTION OF ITEMS   | QTY    | UNIT | RATE    | AMOUNT     |
|-------|----------|--|--------|------|---------|------------|
| 1/1   | 12.3     | Construction of embankment with approved material obtained from borrow pits with lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5  | 0.00   | Cum  | 580.07  | 0.00       |
| 2/2   | A/R      | Providing & laying Brick Bat....   |        |      |         |            |
|       |          | Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.   | 875.00 | Cum  | 2049.64 | 1793437.10 |
| 3/3   | 5.7.7    | Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I   | 0.00   | m    | 53.18   | 0.00       |
| 4/4   | 5.7.8    | Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I   | 0.00   | sqm  | 96.06   | 0.00       |
| 5/5   | 5.7.9    | Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I  | 0.00   | m    | 6.12    | 0.00       |
| 6/6   |          | Supply of Bamboo at site.  | 0.00   | nos. | 168.68  | 0.00       |
| 7/7   | 5.7.40.1 | Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I  | 0.00   | nos. | 37.43   | 0.00       |
| 8/8   | 5.7.40.2 | Providing,laying and filling Geo bags of size 1m X 0.7 m(Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km) | 0.00   | Each | 188.27  | 0.00       |
| 9/9   | 401      | Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.   | 0.00   | Cum  | 2352.09 | 0.00       |
| 10/10 | 9.3      | Providing and Laying Reinforced Cement Concrete Plpe NP3 as per design in Single Row.  | 0.00   | m    | 3669.12 | 0.00       |
|       |          | Seigniorage Fees   |        |      | Say     | 1793437.10 |
|       |          | Add @18% GST   |        |      |         | 91087.50   |
|       |          | Add @1% Lebour Cess  |        |      |         | 322818.68  |
|       |          |  |        |      |         | 17934.37   |
|       |          |  |        |      | Say     | 2225277.65 |
|       |          |  |        |      |         | 2225277.65 |

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| Details of Measurement |  |   |       |                |        |                 |           |         |
|------------------------|--|---|-------|----------------|--------|-----------------|-----------|---------|
| Detail of Works        | No.  | पेमाइस<br>Measurement   |       |                |        |                 | Quantity. |         |
|                        |  | Length  | Width | Width          | Height | Height          |           |         |
|                        |  | In m.   | In m. |                | In m.  |                 |           |         |
| NAME OF ROAD :-        |  | DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM CONST. OF RCC HL<br>BRIDGE IN DENGRAHI TO CHIRAIYAAT CH:-7TH KM. |       |                |        |                 |           |         |
| Item No. 1             | Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge. |   |       |                |        |                 |           |         |
| CH:-in 7.000 Km.       |  | 1   | 70.00 | (5.5+4.5)/2    | 5.00   | (2.5+3.0+2.0)/3 | 2.50      | 875.000 |
|                        |  |   | 70.00 | Total (In Cum) |        |                 | 875.000   |         |

M. K. Singh  
15/11/2029

Junior Engineer  
RWD (W) Division, Simri Bakhtiyarpur

P. Singh  
15-11-20

Assistant Engineer  
RWD (W) Division, Simri Bakhtiyarpur

S. A.  
15/11/29

Executive Engineer  
RWD (W) Division, Simri Bakhtiyarpur