

# ग्रामीण कार्य विभाग

(बिहार सरकार)

क्षतिग्रस्त पथ का नाम

Construction Of RCC Bridge  
in 4<sup>th</sup> Km. of Parsa gorgama  
Path

~~8,52,680.00~~

~~12,53,583.00~~

(Estimated Cost:- ~~26.23594~~ Lakh)

8,67,713.00

ग्रामीण कार्य विभाग,

कार्य प्रमंडल- फुलपरास।

Block:- Ghoghar diha

## Inspection Report for Flood Damaged Work in the year 2021-22

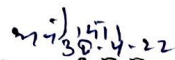
Date of Inspection :- 30.4.22 Name Of PIU:-RWD, Works Division, Benipatti  
Name of Block :- Ghoghardiha  
Name of Road :- Const. of RCC bridge at 4th km Passa  
To Gorganna Road.

For Road/Bridge :-

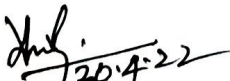
1. Damage Location/ Chainage :- Approach.
2. Damage Length :- 115 Mtr
3. Nature of Damage :- Approach cutting due to Wave  
& Rain.
4. Details of Restoration Works :-
  - i. Material being used in Restoration Works :- Brick bats, EC bags.
  - ii. Equipment's/ Tools being used in Restoration Works :- Tractors
  - iii. Procedure taken up in Restoration Works :- Brick bat filling, Geobag filling.
  - iv. Restored Length 115 Mtr, Restored Qty = 82.995 M<sup>3</sup> Brick bats.

Remarks :-

  
30.4.22

  
Signature of E.E.

Signature of JE/AE

  
30.4.22  
JE

Construction of Reinforced concrete

**Detailed estimate For restoration of road From.....**  
 in 4th Km of Parsa-Goswami Path **FDR 2021.**

Restoration of road embankment using brick bats.....etc.

Abstract of cost

(1) Restoration of road embankment using brick bats - etc  
~~82.9763~~ ~~81.466 m<sup>3</sup>~~  
~~24.50 m<sup>3</sup>~~ (Lead 2.0 km P + 1.0 km K) 1,66,405.00 ✓  
 CB 2004.96 / m<sup>3</sup> ~~1,63,336.00~~  
 Rs - ~~2,24,049.00~~

(2) Forming, Laying and filling Geobas. - etc.  
 3429 No ~~5000~~ ~~120000~~ No (+) 5,93,903.00 ✓  
 CB 173.20 / each ~~8,66,000.00~~  
 Rs 10,90,049.00 ~~20,78,400.00~~  
 Rs 1,30,806.00 ~~91,237.00~~  
 Rs 1,90,901.00 ~~2,76,294.00~~  
 Add 12% GST ~~23,02,449.00~~  
 1% L.C ~~91,237.00~~  
 S.Fee ~~82.9763~~ ~~2,76,294.00~~  
~~24.50 x 1032 x 10%~~ ~~23,024.00~~  
 Rs 12,53,583.00 ~~21,827.00~~  
 Rs 8,55,680.00 ~~26,23,594.00~~  
 Rs 8,67,713.00

Total cost :- ~~8,55,680.00~~  
 8,67,713.00

S.Fee ~~81.466 m<sup>3</sup>~~ x 1032 x 10% = ~~8,407.00~~  
 8,64,087.00

28.10.24  
 JF  
 28.10.24  
 JF

350  
 2/11/21

कार्यपालक अधिकारी ग्रामीण कार्य विभाग कार्य प्रमाण लेखिपत्री  
 के 2121 FDR का जो-जोपरान्त पत्रांक-864(अ/अ) दिनांक:- 2/5/2022 का 2111 (पट  
 8,67,713.00

Technically sanctioned for Rs - ~~8,55,680.00~~ (Rupees. Eight  
 Lacs. Sixty Seven thousand Seven hundred thirteen) only,

Superintending Engineer  
 RWD Work Circle, Darbhanga

Damage length - 100 m

**Detailed estimate For restoration of road From..... Construction of R.C.C Bridge in 4/5 km of FDR 2021. Parsa to Gorgama Path**

① Restoration of road embankment using brick bats.....etc.

Approach - Gorgama side

$$\begin{aligned}
 \text{US} & \left\{ \begin{aligned} 1 \times 15.0 \times 1.5 \times \frac{0.3+0.6}{2} &= 22.50 \text{ m}^3 = 10.125 \text{ M}^3 \\ 1 \times 3.0 \times 1.5 \times \frac{0.3+0.6}{2} &= 4.50 \text{ m}^3 = 4.635 \text{ M}^3 \\ 1 \times 3.0 \times 1.5 \times \frac{0.3+0.6}{2} &= 4.50 \text{ m}^3 = 4.635 \text{ M}^3 \\ 2 \times 15.0 \times 1.5 \times \frac{0.3+0.6}{2} &= 45.00 \text{ m}^3 = 13.50 \text{ M}^3 \end{aligned} \right. \\
 \text{D/S} & 1 \times 15.0 \times \frac{1.5+2.0}{2} \times \frac{0.3+0.6}{2} = 24.00 \text{ m}^3 = 118.215 \text{ M}^3
 \end{aligned}$$

Approach Parsa side

$$\begin{aligned}
 \text{US} & \left\{ \begin{aligned} 1 \times 5.0 \times 1.5 \times \frac{0.3+0.6}{2} &= 7.50 \text{ m}^3 = 3.375 \text{ M}^3 \\ 1 \times 3.0 \times 1.5 \times \frac{0.3+0.6}{2} &= 4.50 \text{ m}^3 = 2.025 \text{ M}^3 \\ 1 \times 13.0 \times 1.5 \times \frac{0.2+0.5}{2} &= 19.50 \text{ m}^3 = 6.825 \text{ M}^3 \\ 1 \times 15.0 \times 1.5 \times \frac{0.5+0.8}{2} &= 22.50 \text{ m}^3 = 14.625 \text{ M}^3 \\ 1 \times 13.0 \times \frac{2.5+1}{2} \times \frac{0.5+0.7}{2} &= 42.00 \text{ m}^3 = 3.150 \text{ M}^3 \end{aligned} \right. \\
 \text{D/S} & 1 \times 10.0 \times 1.5 \times \frac{0.3+0.6}{2} = 15.00 \text{ m}^3 = 6.75 \text{ M}^3 \\
 & \underline{211.50 \text{ m}^3} \quad \underline{81.466 \text{ M}^3}
 \end{aligned}$$

(2) Providing, laying and filling Geo bags.

$$\begin{aligned}
 40.0 \times \frac{2.0 + \frac{4}{2} \times \frac{1.9+2.0+2.1}{3}}{2} &= 240.00 \text{ M}^3 \\
 \text{No of Geo bags} &= \frac{240.00}{0.07} = 3429 \text{ bags}
 \end{aligned}$$

Restored Qty of Brick bats = ~~81.466~~  $82.9965$  M<sup>3</sup>

Damage length = 115.00 Mtr

Filling of Geobag = 240 M<sup>3</sup>

13/14/22  
RE

30/4/22  
A.E

30/4/22  
EE  
Benipatti

28.10.2021  
JE

28/10/21  
JE

2/11/21  
RE