



GOVERNMENT OF BIHAR

NAME OF WORK :- Restoration work of Road from Dehri
Yadunathpur road to Nawara in Nauhatta Block, Dehri, Rohtas.

(FDR PART-A)

Restoration Length :- 0.0075 Km

Block:- Nauhatt, RWD (WD), Dehri

DETAILED PROJECT REPORT

UNDER FDR (3054)

ESTIMATED COST

Rs. 440,184.00

-: PREPARED BY :-
EXECUTIVE ENGINEER
R.W.D. (W) DIVISION, DEHRI

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- **RWD, Work Division, DEHRI**
 Name of Block Road :- **NAUHATTA / DEHRI YADUNATHPUR ROAD TO NAWARA**

A. For Road

1. Damage Location/Chainage :- **2.150 KM**
 2. Damage Length :- **7.50 M**
 3. Nature of Damage (Length Wise) (i) Breach :- **7.50 M**
 (ii) Crust Damage :- **—**
 (iii) Only Flank Damage :- **—**
 whether traffic fully/Partially obstructed :- **FULLY OBSTRUCTED**
 4. Details of Restoration :- **Hume pipe (1000mm dia) provided.**
 (i) Material Being Used in Restoration :- **Granular Material (GSB Type)**
 (ii) Equipment/Tools Being Used in Restoration Works :- **SCB, Tractor Trolley.**
 (iii) Restored Length In open Area :- **7.50 M**
 In habitation Area :- **—**
 (iv) If Restoration work done in habitation Area give Reason :- **—**

B. For Bridge (Size of Bridge/Culvert)

(1) Damage Location/Chainage :- **—**
 (2) No. of Span Damage :- **—**
 (3) Length of Span :- **—**
 (4) Nature of Damage (Pier/Abuttment/
 Wing Wall/Approach Road Damage) :- **—**
 (5) Details of Restoration :- **—**
 (i) Material Being Used in Restoration :- **—**
 (ii) Equipment/Tools Being Used in Restoration Works :- **—**
 (iii) Restored Length :- **—**

Overall Grade of Restoration work (Satisfactory/Unsatisfactory) :- **SATISFACTORY**

Signature of Inspector

(Official Seal)
 प्रमाणित कार्य विभाग
 कार्य प्रमाणित, भुवनेश्वर

ग्रामीण कार्य विभाग, कार्य प्रमंडल, डिहरी


प्रखण्ड —	नौहट्टा
योजना का नाम —	अतिवृष्टि एवं बाढ़ के कारण क्षतिग्रस्त पथ “डिहरी—यदुनाथपुर रोड से नवारा” पथ का आकस्मिक मरम्मत कार्य (पार्ट—A)
पथ की कुल लम्बाई —	2.500 कि०मी०
क्षतिग्रस्त पथांश की लम्बाई —	7.50 मी०
प्राक्कलित राशि —	रु० 4,40,184.00
शीर्ष —	FDR (3054 / 2245)
प्राधिकार	सचिव, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक मु०अ०—4(मु०) विविध (कार्य)—06—109 / 2024—1956 दिनांक — 28—05—2024

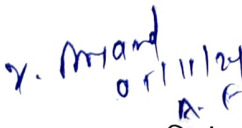
प्रतिवेदन


प्रस्तुत प्राक्कलन अतिवृष्टि एवं बाढ़ के कारण क्षतिग्रस्त पथ के पथांश का प्राक्कलन रु० 4,40,184.00 मात्र के लिए ग्रामीण कार्य विभाग, कार्य प्रमंडल, डिहरी के द्वारा शीर्ष **FDR (3054 / 2245)** के अन्तर्गत बनाया गया है। पथ में पूर्व से स्थित 300 mm dia के Hume Pipe के आस पास रिसाव हो जाने के कारण कटाव हो गया था (फोटोग्राफ संलग्न), जिससे आवागमन बाधित हो गया था। तत्काल आवागमन को चालू रखने एवं पथ को और ज्यादा क्षतिग्रस्त होने से बचाने हेतु आकस्मिक मरम्मत कार्य के लिए कटाव स्थल पर Hume Pipe (1000 mm dia) तथा Granular material का उपयोग करते हुए यातायात पुनर्स्थापन का कार्य किया गया है। यातायात पुनर्स्थापन कार्य के लिए Granular material की कुल 80.14 घनमीटर मात्रा एवं 7.50 मी० Hume Pipe (1000 mm dia) का उपयोग किया गया है (मापी विवरणी संलग्न)।

पथ मरम्मत कार्य का प्राक्कलन वर्तमान अनुसूचित दर एवं उद्धृत दर में से न्यूनतम दर को लेते हुए एवं सामग्रियों की ढुलाई निकटतम खदान से प्रावधान कर बनाया गया है। दर गणना में संवेदक लाभांश सम्मिलित नहीं है।

कार्यहित में प्राक्कलन का तकनीकी स्वीकृति अपेक्षित है।


कनीय अभियंता,
प्रशाखा — नौहट्टा


सहायक अभियंता,
ग्रा०का०वि०, कार्य अवर प्रमंडल,
नौहट्टा


कार्यपालक अभियंता
ग्रा०का०वि०, कार्य प्रमंडल,
डिहरी।

NAME OF WORK :- Restoration work of Road from Dehri Yadunathpur road to Nawara in Nauhatta Block, Dehri, Rohtas.

Total Length :- 2.500 Km

Restoration Length :- 0.0075 Km

ABSTRACT OF COST

Sl. No.		Unit	Rates	Quantity	Amount
1	<u>Providing and filling with aA like stone Boulder /stone aggregates / sand/ kankar/ moorum</u>				
	i) <u>Granular material (Natural occuring, soil gravel mixture /quarry waste, kankar, laterite, dhandla</u>	Cum	4,132.60	80.14	331,187.00
2	Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.				-
i)	1000 MM DIA (Single Row)	Rm	7,589.70	7.50	56,923.00
Total Amount				Rs.	388,110.00
Add for GST @ 18%				Rs.	46,573.00
Add for Labour Cess @ 1%				Rs.	3,881.00
Add for Seigniorage Fee				Rs.	1,620.00
Gross Total Amount				Rs.	440,184.00
Say				Rs.	440,184.00

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J.E.

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05/11/2024
A.E.

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E.E.

RWD, Section - Nauhatta-1

RWD, Sub-Division,
Nauhatta

RWD, Works Division,
Dehri

Technically sanctioned for ₹ 440184.00 (Rupees Four lac forty thousand one hundred eighty four only)

[Signature]
30/11/24
अधीक्षक अभियंता
ग्रामीण कार्य विभाग

NAME OF WORK :- Restoration work of Road from Dehri Yadunathpur road to Nawara in Nauhatta Block, Dehri, Rohtas.

Total Length :-

2.500 Km

Restoration Length :- 0.0075 Km

Sl. No.	ITEM OF WORKS	Nos	Length	Breadth	Height	QTY	UNIT
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1 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.

i) Granular material (Natural occuring, soil gravel mixture /quarry waste, kankar, laterite, dhandla etc.

$$1 \times 2.800 \times \left(\frac{7.500 + 7.500}{2} \right) \times \left(\frac{2.600 + 2.600}{2} \right) = 54.60 \text{ Cum}$$

$$1 \times 2.200 \times \left(\frac{6.600 + 4.300}{2} \right) \times \left(\frac{1.800 + 1.000}{2} \right) = 16.79 \text{ Cum}$$

$$1 \times 2.400 \times \left(\frac{6.600 + 4.300}{2} \right) \times \left(\frac{1.700 + 1.000}{2} \right) = 17.66 \text{ Cum}$$

Less for Pipe $-3.14 \times 7.500 \times (0.615) \times (0.615) = -8.91 \text{ Cum}$

= 80.14 Cum

Total Quantity

2 Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.

i) 1000 MM DIA (Single Row) $3 \times 2.500 \text{ m} = 7.50 \text{ m}$

= 7.50 m

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J.E.
Nauhatta-1

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05/11/24
A.E.
RWD, Sub-Division, Nauhatta

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05/11/2024
Executive Engineer
RWD. (W) Div. Dehri

Seigniorage Fee								
Sl. No.	Discription of Item	Unit	Qty	Factor	Nett Qty	S. fee		
						Basic Rate	10% of Basic Rate	Amount
2	Providing and filling with aA like stone Boulder /stone aggregates / sand/ kankar/ moorum	Cum			-			-
	i) Granular material (Natural occuring, soil gravel mixture / quarry waste, kankar, laterite, dhandla	Cum	80.14	1.20	96.17	168.37	16.84	1,620.00
	Total							1,620.00

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FINAL RATE (Dehri)			
Sl. No.	Discription of Item	Unit	Final Rate
1	Providing and filling with aA like stone Boulder /stone aggregates / sand/ kankar/ moorum		
	i) Granular material (Natural occuring, soil gravel mixture /quarry waste, kankar, laterite, dhandla	Cum	4,132.60
2	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design		
	i) 1000 MM DIA (Single Row)	Rm	7,589.70

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