



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## ESTIMATE FOR FLOOD DAMAGED REPAIR

### Bihar(बिहार)Map



Name of the Road :-

Toi Sahjadpur Laxmipur  
Lakshmipur To Sahjadpur

|                                  |   |             |     |
|----------------------------------|---|-------------|-----|
| DISTRICT                         | : | Lakhisarai  |     |
| DIVISION                         | : | Lakhisarai  |     |
| BLOCK                            | : | Barahiya    |     |
| TOTAL LENGTH OF ROAD             | : | 0.600 0.580 | KM  |
| PART-A TOTAL COST OF RESTORATION | : | 22.311      | Lac |
| AVERAGE COST PER KM              | : | 37.185      | Lac |
| TOTAL COST OF PROJECT            | : | 22.311      | Lac |

Submitted By:  
Executive Engineer  
RWD WORKS DIVISION  
Lakhisarai

## स्थल निरीक्षण प्रतिवेदन

वर्ष 2021-22 के बाढ़ में क्षतिग्रस्त पथों में कराये गए मोटरेबुल कार्य की जाँच।

पथ का नाम :- T01 शहजादपुर लक्ष्मीपुर

पथ की लम्बाई :- <sup>0.58</sup>0.600 कि०मी०

प्राक्कलित राशि :-22.311/- लाख

अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मुंगेर के पत्रांक 1162 दिनांक 16.11.2021 द्वारा प्राप्त निदेश के अनुपालन में आज दिनांक 21.11.2021 को ग्रामीण कार्य विभाग, कार्य प्रमंडल, लखीसराय के अधीन बाढ़ से क्षतिग्रस्त पथ का निरीक्षण सहायक अभियंता श्री लौडिक प्रसाद राय के साथ वर्ष 2021-22 में बाढ़ में क्षतिग्रस्त पथ का कराये गए मोटरेबुल कार्य का स्थल निरीक्षण किया। जाँच के समय कार्य प्रखंडल, लखीसराय के सहायक अभियंता श्री संदीप कुमार एवं श्री ब्रजेश कुमार सिंह, कनीय अभियंता श्री श्याम सुन्दर प्रसाद एवं श्री रंजीत कुमार उपस्थित रहे।

उक्त पथ के निरीक्षण के दौरान पाया गया कि पथ में बने बड़े गड्ढों में Moorum से भरकर उसके उपर G.S.B. (Gr.II) (जगह-जगह 200mm एवं 150mm मुटाई में) डालकर सम्पीडन का कार्य कराया गया है, जिसका शत प्रतिशत जाँच किया गया है, एवं उक्त पथ के प्राक्कलन एवं मापीपुस्त में दर्ज की गई मापी को कार्य स्थल के अनुसार पाया।

  
सहायक अभियंता

ग्रा०का०वि०, कार्य प्रमं०

खड़गपुर-तारापुर

  
30/11/2021  
कार्यपालक अभियंता

ग्रा०का०वि०, कार्य प्रमं०

खड़गपुर-तारापुर

पथ का नाम :- T01 शहजादपुर लक्ष्मीपुर

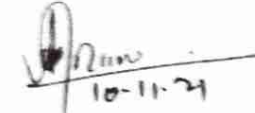
पथ की लम्बाई :- ~~0.600~~ 0.580 कि०मी०

प्रकलित राशि :- 22.311 / - लाख

उपर्युक्त पथ को मोटरेबुल करने हेतु मरम्मत का प्राक्कलन, माह अगस्त 2021 में हुई भारी बारिश एवं बाढ़ से पथ कई दिनों तक पथ पानी में डूबा हुआ था एवं बाढ़ का पानी बहाव होने से बड़े-बड़े आकार का Pot holes बन गया था, एवं पथ में कटाव भी हो गया था। उक्त पथ लखीसराय जिला के बड़हिया प्रखण्ड में पड़ता है। बाढ़ आने के कारण पूरा प्रखण्ड जलमग्न हो गया था, जिस कारण इस पथ काफी क्षतिग्रस्त हुआ। सचिव महोदय, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक- मु०अ०-4(मु०) विविध कार्य-23-60/2020-1937 दिनांक 07.07.2021 द्वारा प्राप्त निदेश के अनुसार क्षतिग्रस्त पथांश का फोटोग्राफ State MIS पर अपलोड करने के पश्चात् पथ का मोटरेबुल कार्य पूर्ण कराकर निदेशानुसार फोटोग्राफ State MIS पर अपलोड करने के उपरान्त कराये गए कार्यों को मापी पुस्त में दर्ज कराकर प्राक्कलन तैयार किया गया है। प्रस्तुत प्राक्कलन अद्यतन अनुसूचित द एवं सामग्रियों के औसत लीड के आधार पर बनाया गया है। पथ में बने बड़े गड्ढों को Brick Bats से भरकर उसके उपर G.S.B. (Gr.II) (जगह-जगह 150mm - 200mm की मुटाई में) भरकर सम्पीडन किया गया एवं पथ को मोटरेबुल कराया गया, जिसका तकनीकी अनुमोदन अपेक्षित है।

  
कनीय अभियंता  
8.11.21

  
सहायक अभियंता  
8.11.21

  
कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, लखीसराय।  
10.11.21



## ESTIMATE FOR FLOOD DAMAGED REPAIR

NAME OF ROAD :

To, Sahjadpur Laxminipur  
Lakshmipur To Sahjadpur

DISTRICT

Lakhisarai

BLOCK

Barahiya

DIVISION

Lakhisarai

LENGTH OF ROAD (in Km)

0.600 - 0.580

CD STRUCTURES

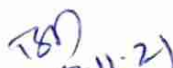
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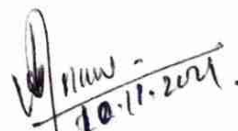
| Sl. No. | DESCRIPTION                          | AMOUNT<br>(LAKHS) |
|---------|--------------------------------------|-------------------|
| PART-A  | RESTORATION COST                     |                   |
| 1       | Type B ( First Class ) Bedding       | 8.624             |
| 2       | Brick Bat Filling                    | 9.826             |
| 3       | GSB GR-II                            | 0.582             |
|         | SUB TOTAL OF Restoration             | 19.032            |
|         | LABOUR CESS 1% of cost               | 0.190             |
|         | GST 12 % of cost                     | 2.284             |
|         | SEIGNORAGE FEE @ 10 % on Minor Mines | 0.805             |
|         | TOTAL OF Restoration                 | 22.311            |
|         | TOTAL COST OF PROJECT IN LACS =      | 22.311            |

Deduct Contractor Profit 9.1.1. = - 2.030 Lakh

Total = 20.281 Lakh

  
JE  
RWD

  
AE  
RWD

  
EE  
RWD

T.S Amount

Construction Cost: Rs. 22.311 Lakh

Deduct Contractor profit 9.1% = Rs. 2.030 Lakh

Total = Rs. 20.281 Lakh

D.F.E. Letter No. 548 dt. 18.4.2022

Technically Sanctioned for Rs. 20.281 Lakh

(Rupees Twenty Lakh twenty  
eight thousand one hundred only)

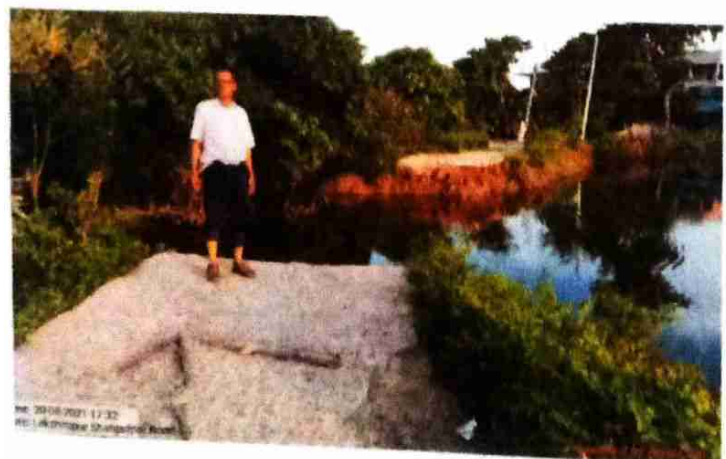
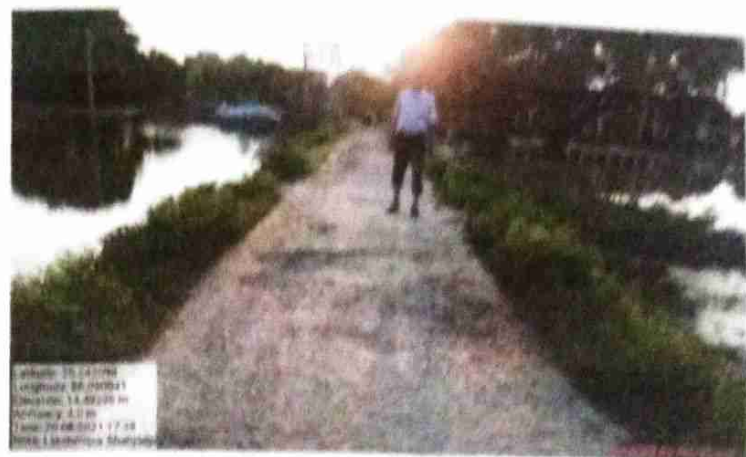
for construction work & 5 Years Maintenance

*[Signature]*  
20/04/22

Superintending Engineer  
Rural Works Department  
Works Circle, Munger

*[Signature]*  
20/04/2022

# Lakshimpur To Sahjadpur





# Lakshimipur To Sahjadpur



Name of Road:- Lakshmipur To Sahjadpur

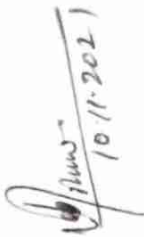
| Sl. No.                                      | SDB SL.NO | MORD Ref.No                          | Description                                                                                                       | Unit | NOS  | LENGTH | WIDTH  | HEIGHT | QUANTITY | RATE     | AMOUNT (In Rs.) |
|----------------------------------------------|-----------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|------|------|--------|--------|--------|----------|----------|-----------------|
| 1                                            | 1100      | Type B ( First Class ) Bedding & 800 | Laying (First Class) bedding on well compacted sand, moorum or approved granular material as per Clause 1105 (ii) |      |      |        |        |        |          |          |                 |
|                                              |           |                                      | E/W In Flank                                                                                                      |      |      |        |        |        |          |          |                 |
|                                              |           |                                      |                                                                                                                   | Cum  | 1.00 | 6.00   | 2.000  | 0.60   | 7.20     |          |                 |
|                                              |           |                                      |                                                                                                                   |      | 1.00 | 6.00   | 2.000  | 0.70   | 8.40     |          |                 |
|                                              |           |                                      |                                                                                                                   |      | 1.00 | 8.00   | 2.500  | 0.70   | 14.00    |          |                 |
|                                              |           |                                      |                                                                                                                   |      | 4.00 | 2.00   | 2.000  | 0.45   | 7.20     |          |                 |
|                                              |           |                                      |                                                                                                                   |      | 1.00 | 5.00   | 3.000  | 0.45   | 6.75     |          |                 |
|                                              |           |                                      |                                                                                                                   |      | 5.00 | 3.00   | 1.500  | 0.45   | 10.13    |          |                 |
|                                              |           |                                      |                                                                                                                   | Cum  | 1.00 | 11.00  | 2.000  | 1.10   | 24.20    |          |                 |
|                                              |           |                                      |                                                                                                                   | Cum  | 1.00 | 20.000 | 12.750 | 3.00   | 765.00   |          |                 |
|                                              |           |                                      | Net Qty                                                                                                           |      |      |        |        |        | 842.88   | 1,023.18 | 8,62,416.00     |
| A) SUB TOTAL OF CRUST = 8,62,416.00          |           |                                      |                                                                                                                   |      |      |        |        |        |          |          |                 |
| Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS |           |                                      |                                                                                                                   |      |      |        |        |        |          |          |                 |
| 2                                            |           |                                      | Brick BAT Filling                                                                                                 |      |      |        |        |        |          |          |                 |
|                                              |           |                                      | Emergent Repair by Filling Brick Bats in Flood damaged Stretch of the Road for making it Motorable                |      |      |        |        |        |          |          |                 |
|                                              |           |                                      | .....as per S/D of E/I                                                                                            |      |      |        |        |        |          |          |                 |
|                                              |           |                                      | Qty as per Measurement                                                                                            | cum  |      |        |        |        | 469.60   |          |                 |
|                                              |           |                                      | Net Qty                                                                                                           |      |      |        |        |        | 469.60   | 2,092.45 | 9,82,616.00     |



| Sl. No.                                      | SDB SL NO | MORD Ref.No | Description                                                                                                                                                                                                                                                                                                                                                                                                      | Unit | NOS | LENGTH | WIDTH | HEIGHT | QUANTITY | RATE         | AMOUNT (in Rs.) |
|----------------------------------------------|-----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|--------|-------|--------|----------|--------------|-----------------|
| 3                                            | 4.1       | 401 (ii)    | Granular Sub-base with Well Graded Material (Table 400.1)<br>For Grading II Material<br>Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader 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. |      |     |        |       |        |          |              |                 |
|                                              |           |             | Qty as per Measurement                                                                                                                                                                                                                                                                                                                                                                                           | Cum  |     |        |       |        | 38.90    |              |                 |
|                                              |           |             | Net GSB Qty                                                                                                                                                                                                                                                                                                                                                                                                      |      |     |        |       |        | 38.90    | 1,495.04     | 58,157.00       |
| TOTAL =                                      |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                  |      |     |        |       |        |          | 10,40,773.00 |                 |
| TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)= |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                  |      |     |        |       |        |          | 19,03,189.00 |                 |

  
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## Pot Measurement GSB Gr-II

Name of Road:- Lakshmipur To Sahjadpur

| Nos.    | Length (m) | Width (m) | Thickness (m) | Qty. (Cum.) |
|---------|------------|-----------|---------------|-------------|
| 1st Km. |            |           |               |             |
| 1       | 20         | 3.75      | 0.2           | 15          |
| 1       | 6          | 2         | 0.2           | 2.4         |
| 1       | 8          | 2.5       | 0.2           | 4           |
| 1       | 6          | 2         | 0.2           | 2.4         |
| 1       | 11         | 2         | 0.2           | 4.4         |
| 4       | 2          | 2         | 0.2           | 3.2         |
| 1       | 5          | 3         | 0.2           | 3           |
| 5       | 3          | 1.5       | 0.2           | 4.5         |
| Total   |            |           |               | 38.90       |

  
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JE

  
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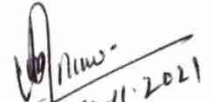
## Pot Measurement Brick Bats

Name of Road:- Lakshmipur To Sahjadpur

| Nos.  | Length (m) | Width (m) | Thickness (m) | Qty. (Cum.) |
|-------|------------|-----------|---------------|-------------|
| 1     | 20         | 3.75      | 6             | 450         |
| 1     | 6          | 2         | 0.7           | 8.4         |
| 1     | 8          | 2         | 0.7           | 11.2        |
| Total |            |           |               | 469.60      |

  
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JR

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New-  
10/11/2021



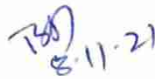
Name of Road :-

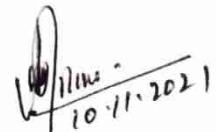
Lakshmipur To Sahjadpur

**SEIGNIORAGE FEE**

| Material     | Unit | Quantity | Basic rate | Amount           | Seigniorage fee |
|--------------|------|----------|------------|------------------|-----------------|
| GSB 26.5-9.5 | m3   | 17.43    | 604.91     | 10541.89         | 1054.19         |
| GSB 9.5-2.36 | m3   | 12.45    | 514.58     | 6405.49          | 640.55          |
| Local sand   | m3   | 19.92    | 141.85     | 2825.20          | 282.52          |
| Agg-63-45 G2 | m3   | 0.00     | 480.64     | 0.00             | 0.00            |
| Screening B  | m3   | 0.00     | 397.73     | 0.00             | 0.00            |
| Moorum       | m3   | 0.00     | 159.97     | 0.00             | 0.00            |
| Coarse sand  | m3   | 1011.45  | 200.80     | 203099.16        | 20309.92        |
| Brick Bats   | m3   | 564.00   | 1032.00    | 582048.00        | 58204.80        |
|              |      |          |            | <b>804919.74</b> | <b>80491.97</b> |

  
JE

  
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EE

Name of Road

Lakshmiipur To Sahjadpur

| Sl. No. | Description                    | Unit | Quantity | Material Analysis (Minor Mines) |            |              |              |            |              |             |         |            |             |              |                |        | Stone Agg | Stone spalls | Coarse sand | cement | Brick Bats |
|---------|--------------------------------|------|----------|---------------------------------|------------|--------------|--------------|------------|--------------|-------------|---------|------------|-------------|--------------|----------------|--------|-----------|--------------|-------------|--------|------------|
|         |                                |      |          | Earth                           | GSB 53-9.5 | GSB 26.5-9.5 | GSB 9.5-2.36 | Local sand | Agg-63-45 G2 | Screening B | Mooru m | 53-22.4 G3 | Agg 13.2 mm | agg 9.5-4.75 | agg 4.75 below | agg 40 | agg 20    | agg 10       |             |        |            |
| 1       | Brick Bat filling              | m3   | 469.60   |                                 |            |              |              |            |              |             |         |            |             |              |                |        |           |              |             |        | 564.00     |
| 2       | GSB Grading II                 | m3   | 38.90    |                                 |            | 17.427       | 12.45        | 19.92      |              |             |         |            |             |              |                |        |           |              |             |        |            |
| 3       | Levelling course in foundation | m3   | 842.88   |                                 |            |              |              |            |              |             |         |            |             |              |                |        |           |              | 1011.5      |        |            |
|         |                                |      |          | 0.00                            | 0.00       | 17.43        | 12.45        | 19.92      | 0.00         | 0.00        | 0.00    | 0.00       | 0.00        | 0.00         | 0.00           | 0.00   | 0.00      | 0.00         | 1011.45     | 0.00   | 564.00     |

IE  
8/11/21

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10/11/2021  
E/E

# Analysis for Carriage by Road & Rail

| Sl No | Item with Source         | Unit     | Source Up to | Carriage Cost & Lead in Km                                                   |                                                                            |  |  | Loading & Unloading Cost | Carriage Cost by Rail Head | Total       |
|-------|--------------------------|----------|--------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|--|--|--------------------------|----------------------------|-------------|
|       |                          |          |              | Pukka / Surface                                                              | Katcha                                                                     |  |  |                          |                            |             |
| 1     | Stone Metal Gr-I & Gr-II | Cum      | Sheikhpura   | $\frac{8.00}{4.59} \times 7.94 \times 45.00 \text{ Km} = \text{Rs } 622.75$  | $\frac{8.00}{4.59} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 210.23                   |                            | Rs. 832.98  |
| 2     | Stone Metal Gr-III / GSB | Cum      | Sheikhpura   | $\frac{8.00}{4.99} \times 7.94 \times 45.00 \text{ Km} = \text{Rs } 572.83$  | $\frac{8.00}{4.99} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 210.23                   |                            | Rs. 783.06  |
| 3     | Stone Aggregate / Chips  | Cum      | Sheikhpura   | $\frac{8.00}{4.99} \times 7.94 \times 35.00 \text{ Km} = \text{Rs } 445.53$  | $\frac{8.00}{4.99} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 210.23                   | 1358.11                    | Rs. 2013.87 |
| 4     | Stone Boulder            | Cum      | Sheikhpura   | $\frac{8.00}{4.80} \times 7.94 \times 45.00 \text{ Km} = \text{Rs } 595.50$  | $\frac{8.00}{4.80} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 210.23                   |                            | Rs. 805.73  |
| 5     | Coarse Sand              | Cum      | Ktul River   | $\frac{8.00}{4.99} \times 7.94 \times 31.00 \text{ Km} = \text{Rs } 394.61$  | $\frac{8.00}{4.99} \times 19.23 \times 1.00 \text{ Km} = \text{Rs } 30.83$ |  |  | 113.70                   |                            | Rs. 539.14  |
| 6     | Binding Material/Moorum  | Cum      | Sheikhpura   | $\frac{8.00}{6.00} \times 7.94 \times 45.00 \text{ Km} = \text{Rs } 476.40$  | $\frac{8.00}{6.00} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 113.70                   |                            | Rs. 590.10  |
| 7     | Local Sand               | Cum      | Local        | $\frac{8.00}{4.99} \times 7.94 \times 2.00 \text{ Km} = \text{Rs } 25.46$    | $\frac{8.00}{4.99} \times 19.23 \times 1.00 \text{ Km} = \text{Rs } 30.83$ |  |  | 113.70                   |                            | Rs. 169.99  |
| 8     | Brick                    | 1000 Nos | Local        | $\frac{8.00}{2.00} \times 7.94 \times 7.00 \text{ Km} = \text{Rs } 222.32$   | $\frac{8.00}{2.00} \times 19.23 \times 1.00 \text{ Km} = \text{Rs } 76.92$ |  |  | 477.52                   |                            | Rs. 776.76  |
| 9     | Cement                   | MT       | Local        | $\frac{8.00}{8.00} \times 7.94 \times 20.00 \text{ Km} = \text{Rs } 158.80$  | $\frac{8.00}{8.00} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 316.10                   |                            | Rs. 474.90  |
| 10    | Steel                    | MT       | Local        | $\frac{8.00}{8.00} \times 7.94 \times 20.00 \text{ Km} = \text{Rs } 158.80$  | $\frac{8.00}{8.00} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 337.28                   |                            | Rs. 496.08  |
| 11    | Bitumen Emulsion         | MT       | Barauni      | $\frac{8.00}{8.00} \times 7.94 \times 95.00 \text{ Km} = \text{Rs } 754.30$  | $\frac{8.00}{8.00} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 361.31                   |                            | Rs. 1115.61 |
| 12    | Bitumen                  | MT       | Barauni      | $\frac{8.00}{8.00} \times 7.94 \times 95.00 \text{ Km} = \text{Rs } 754.30$  | $\frac{8.00}{8.00} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$  |  |  | 361.31                   |                            | Rs. 1115.61 |
| 13    | Hume Pipe (1000 mm )     | m        | Lakhisarai   | $\frac{8.00}{10.00} \times 7.94 \times 30.00 \text{ Km} = \text{Rs } 190.56$ | $\frac{8.00}{10.00} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$ |  |  | 81.88                    |                            | Rs. 272.44  |
| 14    | Hume Pipe (600 mm )      | m        | Lakhisarai   | $\frac{8.00}{25.00} \times 7.94 \times 30.00 \text{ Km} = \text{Rs } 76.22$  | $\frac{8.00}{25.00} \times 19.23 \times 0.00 \text{ Km} = \text{Rs } 0.00$ |  |  | 35.09                    |                            | Rs. 111.31  |
| 15    | Brick Bat                | Cum      | Local        |                                                                              |                                                                            |  |  |                          |                            | Rs. 1032.00 |

Cost of Haulage Excluding Loading & Unloading as per SOR

| Type of Road          | Per Ton. Km by Tipper | Per Ton. Km by Truck |
|-----------------------|-----------------------|----------------------|
| For Surface Road      | 10.10                 | 7.94                 |
| Unsurface Gravel Road | 12.10                 | 9.56                 |
| Kachha Road           | 24.30                 | 19.23                |

\* Subjected to Verification of Lead

*[Signature]*  
JE  
8.11.24  
RWD

*[Signature]*  
AE  
8.11.24  
RWD

*[Signature]*  
10.11.2021  
HE  
RWD

## Analysis for Carriage Through Railway from Quarry Site to Work Site

### Mirzachawki to Kiul

#### Material -Stone Aggregate / Chips

Quarry Site to Mirzachawki Railway Yard (By Road)

|                       |   |                     |   |       |   |         |   |           |
|-----------------------|---|---------------------|---|-------|---|---------|---|-----------|
| Pucka / Surface       | = | $\frac{8.00}{4.99}$ | x | 7.94  | x | 4.00 Km | = | Rs 50.92  |
| Unsurface Gravel Road | = | $\frac{8.00}{4.99}$ | x | 9.56  | x | 0.00 Km | = | Rs 0.00   |
| Kachha Road           | = | $\frac{8.00}{4.99}$ | x | 19.23 | x | 0.00 Km | = | Rs 0.00   |
| Loading & Unloading   | = |                     |   |       |   |         | = | Rs 210.23 |

|     |              |            |   |           |
|-----|--------------|------------|---|-----------|
| (i) | <b>Total</b> | <b>"A"</b> | = | Rs 261.15 |
|-----|--------------|------------|---|-----------|

Mirzachawki Railway Yard to Kiul Railway Yard = 157.00 Km

|                                                     |   |          |           |   |           |   |                  |
|-----------------------------------------------------|---|----------|-----------|---|-----------|---|------------------|
| Railway freight charge from Mirzachawki Railway     | = | For 1 MT | 157.00 Km | = | Rs 316.10 | = | Rs 316.10        |
| Busy Season charge 12% of Railway freight charge    | = | For 1 MT |           | = | 12%       | = | Rs 37.93         |
| Railway Development Charge to 5% of Railway freight |   | For 1 MT |           | = | 5%        | = | Rs 15.81         |
| Railway Terminal Charge Rs 40/- Per Tonne Per       |   | For 1 MT | 2         | x | Rs 40.00  | = | Rs 80.00         |
| <b>Sub-Total</b>                                    | = | For 1 MT |           | = |           | = | <b>Rs 449.84</b> |
| <b>Add GST 1%</b>                                   |   |          |           |   |           |   | <b>Rs 0.00</b>   |
| <b>Total</b>                                        | = | For 1 MT |           | = |           | = | <b>Rs 449.84</b> |

|                                 |            |                           |   |                  |   |           |
|---------------------------------|------------|---------------------------|---|------------------|---|-----------|
| Rate for Railway freight Charge | <b>"B"</b> | For 1 Cum                 | = | Rs 449.84 x 1.60 | = | Rs 719.75 |
|                                 |            | Add 12% Overhead          | = | 12%              | = | Rs 86.37  |
|                                 |            | Add 10% Contractor Profit | = | 10%              | = | Rs 80.61  |

|                                                |               |           |                                     |           |
|------------------------------------------------|---------------|-----------|-------------------------------------|-----------|
| (ii) Gross Rate for Railway freight Charge     | =             | For 1 Cum | =                                   | Rs 886.73 |
| (iii) Loading & Unloading Cost                 | =             | For 1 Cum | =                                   | Rs 210.23 |
| Carriage Cost from Quarry to Kiul Railway Yard |               |           |                                     |           |
| (i) + (ii) + (iii)                             | = For 1 cum = |           | Rs 261.15 + Rs 886.73 + Rs 210.23 = | 1358.11   |