

# SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD  
FROM JADIYA BALUA PATH SHW SE PURAB SWASTHYA UP  
KENDRA P.O. SE PURAB TO MADHOPUR PANCHAYAT SIMA TAK  
VIA CHAUHAN,MANDAL,NAUNIYA TOLA

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 1.990 Km

Flood Affected Length of Road :- 0.304 Km

| Sr. No. | Description                                   | Amount (In Rs.) |
|---------|---|-----------------|
| 1       | SAND BAG                                      | -               |
| 2       | BRICK BATS                                    | 800,298.49      |
| 3       | EC BAG  | 254,838.65      |
| 4       | GEO BAG                                       | -               |
| 5       | GRANULAR SUB BASE                             | -               |
| 6       | HUME PIPE                                     | 121,259.74      |
|         | Total Cost =                                  | 1,176,396.89    |
|         | Add:-Labour Cess @1% amt. =                   | 11,763.97       |
|         | Add:GST@12% on amt. =                         | 141,167.63      |
|         | Add:S.F.@ 10% on Material =                   | 45,756.24       |
|         | TOTAL RESTORATION COST OF THE PROJECT IN LACS | 1,375,085       |

Junior Engineer

RWD (W) Division,Triveniganj

Assistant Engineer

RWD (W) Division,Triveniganj

Executive Engineer

RWD (W) Division,Triveniganj

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dt. 07/12/2021

Technically sanctioned for Rs - 13,75,085.00/-  
(that is thirteen lakh seventy five thousand and eighty  
five rupees only.)

Superintending Engineer  
Rural Works Department  
Works Circle Madhe

| Details of Measurement             |  |  |                  |                 |                 |                    |  |
|------------------------------------|--|--|------------------|-----------------|-----------------|--------------------|--|
| कार्य का ब्यौरा<br>Deatail of Work |  | संख्या<br>No.  | पैमाईस           |                 |                 | मात्रा<br>Quantity |  |
|                                    |  |  | लम्बाई<br>in m.  | चौड़ाई<br>In m. | In m.           |                    |  |
| NAME OF ROAD :-                    |  | DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM<br>JADIYA BALUA PATH SHIW SE PURAB SWASTHYA UP KENDRA P.O. SE<br>PURAB TO MADHOPUR PANCHAYAT SIMA TAK VIA<br>CHAUHAN,MANDAL,NAUNIYA TOLA |                  |                 |                 |                    |  |
| Item No. 1                         | Sand filling in Foundation Trenches as per Drawing & Technical Specification   |  |                  |                 |                 |                    |  |
| CH:-in                             |  | 1  | 0                | 0.000           | 0.40            | 0.000              |  |
|                                    |  |  |                  |                 |                 | 0.000              |  |
| Item No. 2                         | 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                             |  | 6  | 25               | 3.00            | 0.30            | 135.00             |  |
| CH:-in                             |  | 4  | 26               | 3.75            | 0.30            | 117.00             |  |
| CH:-in                             |  | 2  | 25               | 7.50            | 0.45            | 169.00             |  |
|                                    |  |  |                  |                 |                 | 421.00             |  |
| Less For Pipe                      |  | 2x2  | .79x1.23x.62 (-) |                 |                 | 4.80               |  |
|                                    |  |  |                  |                 | Total (In Cum)  | 416.200            |  |
| Item No. 3                         | 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  |  |                  |                 |                 |                    |  |
| CH:-in                             |  | 2  | 50               | 2               | 1.2             | 240.00             |  |
|                                    |  |  |                  |                 | Total (in cum)  | 240.00             |  |
| (0.034m3=1 no. of EC Bags)         |  |  |                  |                 |                 | 7058.82            |  |
|                                    |  |  |                  |                 | Total (in nos.) | 7059.00            |  |
| Item No. 4                         | 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) |  |                  |                 |                 |                    |  |
| CH:-in                             |  | 2  | 0                | 3.00            | 1.5             | 0.00               |  |
|                                    |  |  |                  |                 |                 | 0.00               |  |
| (0.076m3=1 no. of Geo Bags)        |  |  |                  |                 |                 | 0.00               |  |
|                                    |  |  |                  |                 | Total (in nos.) | 0.00               |  |
| Item No. 5                         | 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.(Gr-II Material)   |  |                  |                 |                 |                    |  |
|                                    |  | 3  | 0                | 3.75            | 0.150           | 0.0000             |  |
|                                    |  |  |                  |                 | Total (Cum)     | 0.000              |  |
| Item No. 6                         | Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).  |  |                  |                 |                 |                    |  |
| Ch.0.00km                          |  | 4  | 3                | 2.5             |                 | 30.00              |  |
|                                    |  |  |                  |                 | Total (in m)    | 30.00              |  |

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Executive Engineer  
Rural Works Department  
Work Division, Trivenigarj



# Estimate of Flood affected Road

NAME OF ROAD :- JADIYA BALUA PATH SHW SE PURAB SWASTHYA UP KENDRA P.O. SE PURAB TO MADHOPUR PANCHAYAT SIMA TAK VIA BLOCK :- CHHATAPUR

| S.No | SOR NO   | DESCRIPTION OF ITEMS  | QTY     | UNIT | RATE    | AMOUNT     |
|------|----------|---|---------|------|---------|------------|
| 1    | 301.5    | Sand filling in Foundation Trenches as per Drawing & Technical Specification  | 0.00    | Cum  | 549.11  | 0.00       |
| 2    | A/R      | 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.  | 416.20  | Cum  | 1922.87 | 800298.49  |
| 3    | 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   | 7059.00 | nos. | 36.10   | 254838.65  |
| 4    |          | 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 0.07m <sup>3</sup> . 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 | 172.18  | 0.00       |
| 5    | 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.  | 0.000   | Cum  | 3010.64 | 0.00       |
| 6    | 9.3      | Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).  | 30.00   | m    | 4041.99 | 121259.74  |
|      |          | Total   |         |      | Rs.     | 1176396.89 |

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EE  
Executive Engineer  
Rural Works Department  
Work Division, Triveniganj

## Calculation of Seigniorage Fees

SE PURAB SWASTHYA UP KENDRA P.O. SE PURAB TO MADHOPUR PANCHAYAT SIMA TAK VIA  
NAME OF ROAD :- CHAUHAN,MANDAL,NAUNIYA TOLA  
BLOCK :- CHHATAPUR

| S.No | SOR NO   | DESCRIPTION OF ITEMS   | QTY    | UNIT | RATE    | AMOUNT    |
|------|----------|--|--------|------|---------|-----------|
| 1/1  | 12.3     | Sand filling in Foundation Trenches as per Drawing & Technical Specification   |        |      |         |           |
|      |          | Sand   | 0.00   | Cum  | 116.85  | 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.   |        |      |         |           |
|      |          | Brick Bats   | 416.20 | Cum  | 1032.00 | 429518.40 |
| 3/7  | 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  |        |      |         |           |
|      |          | Sand   | 240.00 | Cum  | 116.85  | 28044.00  |
| 4/8  | 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) |        |      |         |           |
|      |          | Sand   | 0.00   | Cum  | 116.85  | 0.00      |
| 5/9  | 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.   |        |      |         |           |
|      |          | For Grading II Material (with Coarse Sand Screening)   |        |      |         |           |
|      |          | Unit = Cum   |        |      |         |           |
|      |          | Taking output = 300 cum  |        |      |         |           |
|      |          | Coarse graded granular sub-base material as per Table 400.2  |        |      |         |           |
|      |          | 53 mm to 9.5mm @ 50 percent  | 180.00 | Cum  | 516.42  | 92955.60  |
|      |          | 9.5 mm to 2.36 mm @ 20 percent   | 72.00  | Cum  | 411.33  | 29615.76  |
|      |          | 2.36 mm below @ 30 percent (coarse Sand Screening)   | 108.00 | Cum  | 185.94  | 20081.52  |
|      |          | Cost for 300 cum = a   |        |      |         | 142652.88 |
|      |          | Rate psr Cum = (a)/300   |        | Cum  |         | 475.51    |
|      |          |  | 0.00   | Cum  | 475.51  | 0.00      |
|      |          | GSB Gr-II  |        |      |         | 0.00      |
|      |          |  |        |      | TOTAL   | 457562.40 |
|      |          | Seigniorage Fees @10% of Basic Amount  |        |      | Say     | 45756.24  |

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Executive Engineer  
Rural Works Department  
Water Division, Triveni  
Ward 1, Triveni

## Bill of Quantity

DETAILED ESTIMAE FOR TEMPORARY  
RESTORATION OF ROAD FROM JADIYA BALUA  
NAME OF ROAD :- PATH SHW SE PURAB SWASTHYA UP KENDRA P.O.  
SE PURAB TO MADHOPUR PANCHAYAT SIMA TAK  
VIA CHAUHAN,MANDAL,NAUNIYA TOLA

BLOCK :- CHHATAPUR

DISTRICT :- SUPAUL

| S.No | SOR NO   | DESCRIPTION OF ITEMS   | QTY     | UNIT | RATE    | AMOUNT     |
|------|----------|--|---------|------|---------|------------|
| 1/1  | 301.5    | Sand filling in Foundation Trenches as per Drawing & Technical Specification   | 0.00    | Cum  | 549.11  | 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.   | 416.20  | Cum  | 1922.87 | 800298.49  |
| 3/3  | 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  | 7059.00 | nos. | 36.10   | 254838.65  |
| 4/4  | 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 | 172.18  | 0.00       |
| 5/5  | 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  | 3010.64 | 0.00       |
| 6/6  | 9.3      | Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.  | 30.00   | m    | 4041.99 | 121259.74  |
|      |          |  |         |      | Say     | 1176396.89 |
|      |          | Seigniorage Fees   |         |      |         | 45756.24   |
|      |          | Add @12% GST   |         |      |         | 141167.63  |
|      |          | Add @1% Lebour Cess  |         |      |         | 11763.97   |
|      |          |  |         |      |         | 1375084.73 |
|      |          |  |         |      | Say     | 1375085.00 |

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Executive Engineer  
Rural Works Department  
Work Division, Triveniganj