

# GOVERNMENT OF BIHAR

## UNDER FLOOD DAMAGE REPAIR

### Estimate for Restoration of Traffic

|            |                |         |              |
|------------|----------------|---------|--------------|
| DISTRICT : | WEST CHAMPARAN | BLOCK : | NARKATIAGANJ |
|------------|----------------|---------|--------------|

YEAR(2020-2021)

|                |                      |
|----------------|----------------------|
| NAME OF ROAD : | REO ROAD TO PACHAMWA |
|----------------|----------------------|

|              |   |       |     |  |
|--------------|---|-------|-----|--|
| TOTAL LENGTH | : | 0.475 | KMS |  |
|--------------|---|-------|-----|--|

|                        |   |            |  |  |
|------------------------|---|------------|--|--|
| COST OF PAVEMENT (RS.) | : | 1629029.23 |  |  |
|------------------------|---|------------|--|--|

|                          |   |            |  |  |
|--------------------------|---|------------|--|--|
| TOTAL COST OF ROAD (RS.) | : | 1629029.23 |  |  |
|--------------------------|---|------------|--|--|

SUBMITTED BY

Executive Engineer RWD

Works Division, Narkatiaganj

## TECHNICAL REPORT

Name of Road :- REO Road to Pachamwa  
Name of Block :- Narkatiyaganj  
Name of Division :- Narkatiyaganj  
Name of District :- West Champaran  
Estimated Cost :- 16.29029 Lakh  
Restoration Length :- 0.475 KM

This Estimate is prepared for Restoration of ..... REO Road to Pachamwa .....

.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide,  
ज्ञापक:- मु0अ0 -4 (मु0) विविध (कार्य) 23 -40 /16-2254 पटना, दिनांक 30.06.2020. Road remains effected  
from flooded about 01 to 02 weeks and heavy amount of water passed through it.

Honorable Chief Minister/Secretary, Rural Works Department, Bihar, Patna/D.M., West Champaran  
Bettiah/Concerned MP/MLA has instructed to maintain the traffic and movement of public etc. at the  
earliest so that public of this area may get connected and for the same Departmental instruction has also  
been issued to fill the gap made by flooded immediately.

The area surrounding is submerged in water and hence provision of ..... Earthwork, .....  
..... Boilhat, ..... Shamabrick ..... has been made to  
maintain the road damage due to flood/heavy rainfall as per availability of material from available place by  
tractor. Presently there is no Contractor is employed for Construction and Maintenance of this road hence  
the work has been carried out Departmentally and due to this, provision of Contractor profit is not  
mentioned in the estimate.

In view of above, it is requested to approve the estimate amounting to Rs. 16.29029 Lakh please.  
Submitted for Technical Approval please.

For Engineer,  
Narkatiyaganj  
23/12/2020

Assistant Engineer,  
Narkatiyaganj  
23/12/2020

Executive Engineer  
R.W.D.(W) Division, Narkatiyaganj  
23/12/20

# कार्यपालक अभियन्ता का कार्यालय

ग्रामीण कार्य विभाग, कार्य प्रमंडल, बगहा-2

पत्रांक-.....954...../ बगहा-2, दिनांक-.....24/12/2020/

प्रेषक:-

कार्यपालक अभियन्ता  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, बगहा-2।

सेवा में,

अधीक्षण अभियन्ता,  
ग्रामीण कार्य विभाग,  
कार्य अंचल, बेतिया।

विषय:-

वर्ष 2020 के बाद में क्षतिग्रस्त पथों को मोटरेबुल कराने हेतु किये गये कार्यों की जाँच के संबंध में।

प्रसंग:-

भवदीय पत्रांक-1312/बेतिया, दिनांक-26.08.2020।

महाशय,

उपर्युक्त विषयक एवम् प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, नरकटियागंज द्वारा उपलब्ध कराये गये मोटरेबुल पथों की सूची में अंकित पथों का अधोहस्ताक्षरी द्वारा सहायक अभियन्ता श्री दिगम्बर झा एवम् श्री नन्द किशोर साह के साथ निरीक्षण किया गया। निरीक्षण के दौरान कार्य प्रमंडल, नरकटियागंज द्वारा प्रतिवेदित सभी पथों पर कार्य कराया गया है एवम् यातायात चालु है।

सादर सूचनार्थ एवम् अग्रेत्तर कार्रवाई हेतु समर्पित।

अनु0:- निरीक्षण किये गये पथों की सूची।

  
24/12/20

(दिगम्बर झा)  
सहायक अभियन्ता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा-2

(नन्द किशोर साह)  
सहायक अभियन्ता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा-2

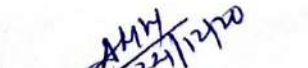
विश्वासभाजन,

  
24/12/20

(आनन्द बिहारी झा)  
कार्यपालक अभियन्ता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा-2

ज्ञापक-.....954...../ बगहा-2, दिनांक-.....24/12/20/

प्रतिलिपि:- कार्यपालक अभियन्ता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, नरकटियागंज को सूचनार्थ सम्प्रेषित।

  
24/12/20  
कार्यपालक अभियन्ता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बगहा-2

|    |              |                                                                       |       |              |
|----|--------------|-----------------------------------------------------------------------|-------|--------------|
| 34 | Sikta        | Sikta to Bheriharwa                                                   | 0.133 | 19,72,961.00 |
| 35 | Sikta        | Sikta to Surajpur                                                     | 0.028 | 4,39,443.00  |
| 36 | Sikta        | Sikta to Chhapaniya                                                   | 0.098 | 9,97,953.00  |
| 37 | Sikta        | Sikta to Ekdeyari                                                     | 0.09  | 5,29,712.00  |
| 38 | Sikta        | Sikta to Khap tola                                                    | 0.083 | 7,67,337.00  |
| 39 | Sikta        | Sikta to Sundergawan                                                  | 0.109 | 6,60,731.00  |
| 40 | Sikta        | T03 to Dharampur                                                      | 0.284 | 16,76,700.00 |
| 41 | Sikta        | Baishakhwa to Sargatiya                                               | 0.029 | 3,90,616.00  |
| 42 | Sikta        | Bishkhawa to Sikta                                                    | 0.048 | 9,58,963.00  |
| 43 | Sikta        | Dhamaura to Narkatia                                                  | 0.052 | 6,71,372.00  |
| 44 | Gaunaha      | Gaunaha Rly Station to Sithi                                          | 0.12  | 11,06,352.00 |
| 45 | Gaunaha      | Marjadi to Marjadpur                                                  | 0.11  | 16,66,842.00 |
| 46 | Gaunaha      | Mehnaul kal to Hardi                                                  | 0.13  | 14,33,177.00 |
| 47 | Gaunaha      | PWD Road to Dhamaura                                                  | 0.045 | 2,89,055.00  |
| 48 | Gaunaha      | RWD Road to Harpur                                                    | 0.095 | 9,21,546.00  |
| 49 | Gaunaha      | REO Road to Mahuawa Bhusha                                            | 0.07  | 13,11,852.00 |
| 50 | Narkatiaganj | REO Road to Panchamwa                                                 | 0.475 | 16,29,029.00 |
| 51 | Narkatiaganj | Pokhariya to Somgadh                                                  | 0.675 | 15,20,124.00 |
| 52 | Narkatiaganj | Maniyari Bridge to Bridge                                             | 0.16  | 7,47,248.00  |
| 53 | Narkatiaganj | Sisai to Rakhai                                                       | 0.11  | 3,24,989.00  |
| 54 | Narkatiaganj | T01 to Chintawanpur                                                   | 0.35  | 13,45,653.00 |
| 55 | Narkatiaganj | Satwariya to Manjhariya                                               | 0.378 | 15,92,386.00 |
| 56 | Narkatiaganj | NKE PWD Road se Khap tola to Mahadalit Basti hote hue Dhaminaha Basti | 0.212 | 6,36,513.00  |
| 57 | Narkatiaganj | T01 to Senuriya Naya tola                                             | 0.06  | 6,21,851.00  |
| 58 | Narkatiaganj | Siswa to Roari                                                        | 0.08  | 7,55,945.00  |
| 59 | Narkatiaganj | Dhobaha to Inarwa                                                     | 0.44  | 16,27,769.00 |
| 60 | Narkatiaganj | Barai tola to Bhashurari Petrol Pump via Sikarpur bairia              | 0.362 | 14,62,769.00 |
| 61 | Narkatiaganj | PWD Road to Bazar tola                                                | 0.24  | 4,60,545.00  |
| 62 | Narkatiaganj | Sathi to Dharampur                                                    | 0.63  | 15,25,968.00 |
| 63 | Narkatiaganj | Midraul PMGSY to Balua Path                                           | 0.85  | 6,36,832.00  |
| 64 | Narkatiaganj | Binwalia to Barwa                                                     | 0.235 | 6,20,616.00  |
| 65 | Narkatiaganj | Matiyariya PMGSY to Sherahwa                                          | 0.232 | 2,39,942.00  |
| 66 | Narkatiaganj | Mathura to Belwaniya                                                  | 0.302 | 7,34,549.00  |
| 67 | Narkatiaganj | Marhiya to Banwaria                                                   | 0.255 | 4,27,695.00  |
| 68 | Narkatiaganj | L022 to Barwa Baruli                                                  | 0.1   | 14,27,512.00 |
| 69 | Narkatiaganj | Narkatiaganj Manjahriya to Manwa parsi Ekderwa                        | 0.26  | 14,65,222.00 |
| 70 | Narkatiaganj | Gopalpur to Fhulwariya                                                | 0.475 | 7,91,830.00  |

| S. No. | SOR Item No. | Description                                                                                                                                                                                                                                                                                                                                                                     | No | Length (M) | Width (M) | H/D (M) | Qty.    | Unit | Rates (in Rs.) | Amount   |
|--------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|-----------|---------|---------|------|----------------|----------|
| 1      | 2.13. C      | Removal of Hume pipe<br>Removing all types of Hume pipes and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202.                                                                                                                                                                                   | 0  | 0.00       |           | 0       | 0.00    |      |                |          |
| 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                                                                                                                    |    |            |           |         | 0.00    | M    | 381.23         | 0.00     |
| 3      | 3.3          | (B) EARTHWORK<br>Construction of Embankment with Material Obtained from Roadway cutting<br>Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5 excluding C.P. |    |            |           |         | 0.00    | M    | 4744.43        | 0.00     |
|        |              | As per measurement                                                                                                                                                                                                                                                                                                                                                              |    |            |           |         | 430.425 | Cum. | 25.32          | 10898.36 |

*Signature*  
23/12/2012  
J.R.

| S. No. | SOR Item No. | Description                                                                                                                                                                     | No | Length (M) | Width (M) | H/D (M) | Qty.    | Unit    | Rates (in Rs.) | Amount     |
|--------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|-----------|---------|---------|---------|----------------|------------|
| 4      | RCD          | Placing Tractor at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip excluding C.P. including Carriage |    |            |           |         |         |         |                |            |
|        |              | As per measurement                                                                                                                                                              |    |            |           |         | 430.425 | cum     | 450.77         | 194024.01  |
| 5      | RCD          | Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge                                                                                |    |            |           |         |         |         |                |            |
|        |              | As per measurement                                                                                                                                                              |    |            |           |         | 538.63  | cum     | 1703.77        | 917695.06  |
| 6      | RCD          | Laying Jhama metal on prepared soil surface as per Specification & direction of Engineer Incharge                                                                               |    |            |           |         |         |         |                |            |
|        |              | As per measurement                                                                                                                                                              |    |            |           |         | 121.49  | cum     | 2106.67        | 255942.60  |
| 7      | RCD(12.9)    | Laying filled sand bag, stitching and placing etc.all complete as per specification and direction of Engineer Incharge                                                          | 0  |            |           |         | 0.00    | per bag | 24.59          | 0.00       |
|        |              | Total Road work                                                                                                                                                                 |    |            |           |         |         |         |                | 1378560.03 |
|        |              | Say Rs. (Lac)                                                                                                                                                                   |    |            |           |         |         |         |                | 1378560.03 |
|        |              | Add GST @12%                                                                                                                                                                    |    |            |           |         |         |         |                | 165427.20  |
|        |              | Add Labour Cess @1%                                                                                                                                                             |    |            |           |         |         |         |                | 13785.60   |
|        |              | Add Seignrage Fee@10% of basic material rate                                                                                                                                    |    |            |           |         |         |         |                | 71256.39   |
|        |              | Total Cost of work                                                                                                                                                              |    |            |           |         |         |         |                | 1629029.23 |

R 23/12/2020  
E.E

R 23/12/2020  
A.E

R 23/12/2020  
J.R

Technically approved for Amount ₹ 1629029 =  
(sixteen lac twenty nine thousand and twenty  
nine rupees) only.

  
31.12.22  
Superintendent  
Rural Works Dept.  
Works Circle, Bhanu  
Govt. of Bihar

  
27/12/22

| Detailed Measurement(EARTHWORK) |      |                     |                    |          |
|---------------------------------|------|---------------------|--------------------|----------|
| No                              | L(m) | W(m)                | D(m)               | Qty(cum) |
| 2                               | 20   | $(1.75+2.0+2.25)/3$ | $(1.0+1.25+1.5)/3$ | 100.000  |
| 1                               | 50   | $(1.5+2.0)/2$       | $(1.0+1.2)/2$      | 96.250   |
| 3                               | 10   | $(3.2+2.5)/2$       | $(0.600+0.300)/2$  | 38.475   |
| 4                               | 5    | $(2.0+2.2)/2$       | $(1.5+1.75+2.0)/3$ | 70.000   |
| 2                               | 50   | $(0.5+0.75+1.0)/3$  | $(0.6+0.75+0.9)/3$ | 56.250   |
| 2                               | 60   | $(0.5+0.7+0.9)/3$   | $(0.3+0.6+0.9)/3$  | 50.400   |
| 2                               | 50   | $(0.3+0.5+0.7)/3$   | $(0.2+0.4)/2$      | 15.000   |
| 1                               | 15   | $(0.4+0.6+0.8)/3$   | $(0.3+0.45+0.6)/3$ | 4.050    |
| TOTAL                           | 475  |                     |                    | 430.43   |

| Detailed Measurement(BRICKBAT) |      |                   |                    |          |
|--------------------------------|------|-------------------|--------------------|----------|
| No                             | L(m) | W(m)              | D(m)               | Qty(cum) |
| 2                              | 20   | $(2.0+2.5+3.0)/3$ | $(0.5+0.75+1.0)/3$ | 75.000   |
| 1                              | 30   | $(5.0+6.0)/2$     | $(1.0+1.2+1.4)/3$  | 198.000  |
| 3                              | 10   | $(3.2+2.5)/2$     | $(0.600+0.300)/2$  | 38.475   |
| 4                              | 5    | $(2.0+2.2)/2$     | $(1.0+1.25+1.5)/3$ | 50.000   |
| TOTAL                          |      |                   |                    | 361.48   |

| Detailed Measurement(JHAMABRICK) |      |                   |                      |          |
|----------------------------------|------|-------------------|----------------------|----------|
| No                               | L(m) | W(m)              | D(m)                 | Qty(cum) |
| 1                                | 20   | $(2.0+2.5+3.0)/3$ | $(0.15+0.25+0.30)/3$ | 11.667   |
| 1                                | 40   | $(5.0+6.0)/2$     | $(0.3+0.4+0.5)/3$    | 88.000   |
| 1                                | 10   | $(3.2+2.5)/2$     | $(0.600+0.300)/2$    | 12.825   |
| 2                                | 5    | $(2.0+2.2)/2$     | $(0.3+0.45+0.6)/3$   | 9.000    |
| TOTAL                            |      |                   |                      | 121.49   |

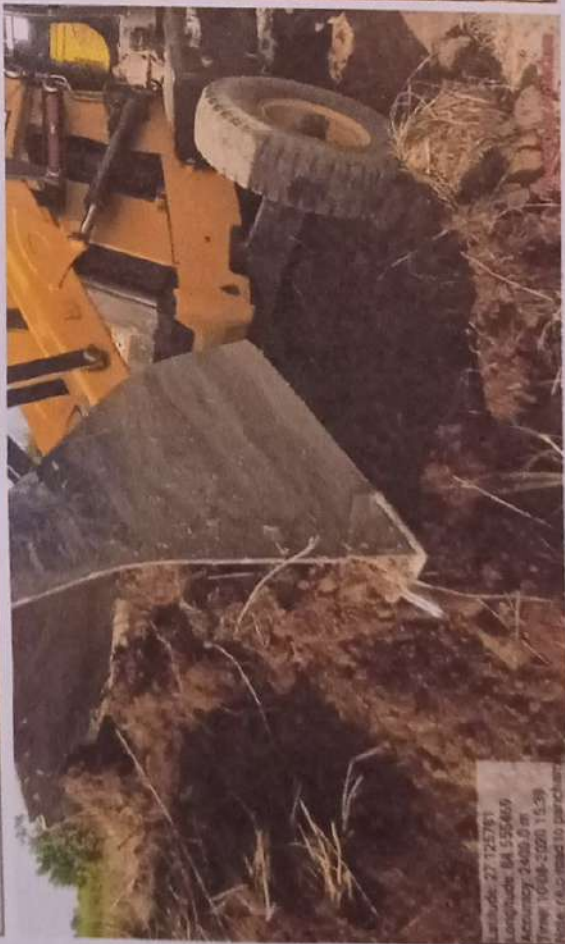
### RE DAMAGED(MEASUREMENT)

| Detailed Measurement(BRICKBAT) |      |                   |                     |          |
|--------------------------------|------|-------------------|---------------------|----------|
| No                             | L(m) | W(m)              | D(m)                | Qty(cum) |
| 2                              | 20   | $(2.0+2.5+3.0)/3$ | $(0.5+0.75+1.0)/3$  | 75.000   |
| 1                              | 20   | $(4.0+5.0)/2$     | $(0.75+1.0+1.25)/3$ | 90.000   |
| 3                              | 10   | $(3.0+2.4)/2$     | $(0.600+0.300)/2$   | 12.150   |
| TOTAL                          |      |                   |                     | 177.15   |

*Byman*  
23/12/2020  
J.R

*AB*  
23/12/2020  
AE

*P*  
23/12/20  
EE



23/11/2020  
J.F.

23/11/2020  
J.F.