



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## PLAN HEAD- FDR YEAR 2021-22

DISTRICT :- WEST CHAMPARAN  
BLOCK :- SIKTA

### Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in SIKTA To SURAJPUR

LENGTH OF ROAD (in Km)- 1.21 KM

|                              |
|------------------------------|
| ESTIMATED COST - 14.179 Lacs |
|------------------------------|

SUBMITTED BY:  
EXECUTIVE ENGINEER,  
RWD WORKS DIVISION,  
NARKATIAGANJ

## TECHNICAL REPORT

Name of Road :- Sikta to Surajpur

Name of Block:- Sikta

Name of Division:- Narkatiyaganj

Name of District:- West Champaran

Estimated Cost:- 14.179 lacs

This Estimate is prepared for Restoration of Sikta to Surajpur  
.....  
.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide,  
23 -60 /2020-1937 , Patna, Date- 07.07.2021, Road remains effected from flood 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,  
Drainage, Home pipe.....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. 14.179 please.

Administrative  
Submitted for Technical Approval please.

  
28/11/21  
Junior Engineer,  
Sikta

  
15/11/2021  
Assistant Engineer,  
Sikta

  
25/11/21  
Executive Engineer  
R.W.D.(W) Division, Narkatiyaganj

# कार्यपालक अभियन्ता का कार्यालय

ग्रामीण कार्य विभाग, कार्य प्रमंडल, बेतिया

प्रेषक:-

पत्रांक-..... / बेतिया, दिनांक..... /

सेवा में,

कार्यपालक अभियन्ता  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, बेतिया।

विषय :-

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

प्रसंग:-

कार्य प्रमंडल, नरकटियागंज में वर्ष 2021 के बाढ़ में क्षतिग्रस्त पथों को मोटरबुल कराने हेतु किये गये कार्यों की जांच के संबंध में।

महाशय,

भवदीय पत्रांक-1325/बेतिया, दिनांक-14.11.2021 एवम् अभियन्ता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक-मु0अ0-4(मु0) विविध (कार्य)-23-291 / 2019-4589, दिनांक-13.11.2021।

उपर्युक्त विषयक एवम् प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, नरकटियागंज द्वारा उपलब्ध कराये गये मोटरबुल पथों की सूची में अंकित पथों का अधोहस्ताक्षरी द्वारा सहायक अभियन्ता 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 अग्रोत्तर कार्रवाई हेतु समर्पित।

अनु0- निरीक्षण किये गये पथों की सूची।

विश्वासभाजन,

*sol*

कार्यपालक अभियन्ता  
ग्रा0का0वि0, का0प्र0, बेतिया।

ज्ञापांक- 3244 (अनु0) / बेतिया, दिनांक- 25/11/2021 /

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

*Aksh*  
25.11.21

कार्यपालक अभियन्ता  
ग्रा0का0वि0, का0प्र0, बेतिया।



# FDR list 2021 (Temporary Restoration)

| SLNo. | Block Name   | Name of Road                                                                                            | Length of road (KM) | Amount (in Lac) |
|-------|--------------|---------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| 1     | Narkatiaganj | T01 To Khairwa                                                                                          | 3.45                | 10.439          |
| 2     | Narkatiaganj | T01 Mathura to Belwaria                                                                                 | 1.556               | 16.901          |
| 3     | Narkatiaganj | PWD Road To Bazar Tola                                                                                  | 3.645               | 4.386           |
| 4     | Narkatiaganj | Binwariya To Barwa                                                                                      | 2.055               | 1.066           |
| 5     | Narkatiaganj | REO Road To Pachanwa                                                                                    | 13.077              | 12.093          |
| 6     | Narkatiaganj | REO Road To Bargajwa                                                                                    | 2.53                | 3.769           |
| 7     | Narkatiaganj | Katgharwa To Rajpur                                                                                     | 6.927               | 8.735           |
| 8     | Narkatiaganj | Rajpur To Katgharwa                                                                                     | 2.7                 | 3.341           |
| 9     | Narkatiaganj | PWD Road NKE Bettah Main Road Koingama Chowk To Vikrampur Hote Hue Rajpur PMGSY Tak Sadak Nirman        | 2.52                | 7.169           |
| 10    | Narkatiaganj | Serahiwa To Pipra                                                                                       | 2.6                 | 4.016           |
| 11    | Narkatiaganj | Serahiwa To Takiya                                                                                      | 1.06                | 4.572           |
| 12    | Narkatiaganj | Marhiya To Banwariya Mandir                                                                             | 1.8                 | 4.371           |
| 13    | Narkatiaganj | L022 To Rakhai                                                                                          | 3.85                | 6.261           |
| 14    | Narkatiaganj | Samhanta To Belwa Murla                                                                                 | 6.6                 | 11.466          |
| 15    | Narkatiaganj | T01 To Amwa Tola                                                                                        | 2.04                | 8.691           |
| 16    | Narkatiaganj | Pokhariya To Trilokwa                                                                                   | 11.32               | 8.916           |
| 17    | Narkatiaganj | Rampur L024 To Berwa Barnuli                                                                            | 2.622               | 4.178           |
| 18    | Narkatiaganj | Dhobha L022 To Inderwa                                                                                  | 6.182               | 5.512           |
| 19    | Narkatiaganj | Gopalpur to Phulwariya                                                                                  | 1.6                 | 7.521           |
| 20    | Narkatiaganj | NKE Manjharia Manwaparsi To Ekdarwa                                                                     | 14.5                | 31.46           |
| 21    | Narkatiaganj | Ajua PWD Road To Ledhiharwa                                                                             | 6.7                 | 1.406           |
| 22    | Narkatiaganj | Satwariya To Manjharia                                                                                  | 1.92                | 20.647          |
| 23    | Narkatiaganj | Shikarpur To Malda                                                                                      | 1.45                | 7.289           |
| 24    | Narkatiaganj | Chintamanpur To Malda                                                                                   | 1.98                | 12.395          |
| 25    | Narkatiaganj | Narkatiaganj To mainatand                                                                               | 3.25                | 7.286           |
| 26    | Narkatiaganj | Phulwariya PMGSY To Purwi Tola                                                                          | 3.34                | 8.425           |
| 27    | Narkatiaganj | Marhya Brahman Sthan To Chaturbhujwa                                                                    | 1.935               | 9.704           |
| 28    | Narkatiaganj | Hichhopal To Bhasurari                                                                                  | 8.9                 | 12.682          |
| 29    | Narkatiaganj | PWD Road To Sugauli                                                                                     | 1.335               | 5.084           |
| 30    | Narkatiaganj | Matiyaria PMGSY To Sherahwa                                                                             | 1.485               | 7.672           |
| 31    | Narkatiaganj | L021 To Nautanwa                                                                                        | 1.2                 | 5.405           |
| 32    | Narkatiaganj | Matiyaria PMGSY To Chaturbhujwa                                                                         | 2.83                | 3.35            |
| 33    | Narkatiaganj | T03 To Bijwaniya                                                                                        | 1.75                | 3.452           |
| 34    | Narkatiaganj | NKE Thori Main Road To Mai Sthan Via Dharwa Tola                                                        | 2.75                | 7.846           |
| 35    | Narkatiaganj | Betiya Jila Antargat NKE Prakhanda Ke Betiya Sathi NKE Road Hamirpur Dhala To Khap Tola Mahadalit Basti | 2.4                 | 5.579           |
| 36    | Narkatiaganj | Main Road Padariya To Kukara Part I                                                                     | 2.365               | 8.194           |
| 37    | Narkatiaganj | Primary School Amwa To Bhagwanpur Tola Kesharia                                                         | 1.5                 | 3.082           |
| 38    | Narkatiaganj | Bettiah P.W.D. Path Me Koergarwa Nahkatola Chowk To Puraniya Harijan Patti Tak Kalikaran                | 2.5                 | 3.804           |

A.

|    |              |                                                                                              |       |        |
|----|--------------|----------------------------------------------------------------------------------------------|-------|--------|
| 39 | Narkatiaganj | Bettiah P.W.D. Path Me Koerganwa Chowk To Harsari Harijan Toli Hote Hue Puraniya Mukhya Path | 2.52  | 4.683  |
| 40 | Narkatiaganj | Bhagauna Middle School Se Tower Ke Pass To Murli Gacn Me Sakil Ansari Ke Ghar Tk             | 0.7   | 1.56   |
| 41 | Narkatiaganj | Harsari Kausal Kishore Dubey Ke Ghar Ke Pass To Puraniya Harijan Patti Tak                   | 2.45  | 6.744  |
| 42 | Narkatiaganj | Paroraha To Mahadali Basti Tak Path Nirman                                                   | 7.55  | 6.238  |
| 43 | Narkatiaganj | Nankar to durwalia                                                                           | 1.25  | 4.031  |
| 44 | Chanpatiya   | Kaithwalia Lauriya PWD Road to Mahnakuli                                                     | 2.5   | 4.927  |
| 45 | Chanpatiya   | Turhapatti to Gurwalia Vishwash                                                              | 3.6   | 9.843  |
| 46 | Chanpatiya   | Naya toal Hariharpur (RCC Culvert) to Mandir Chip tola                                       | 1.7   | 2.51   |
| 47 | Chanpatiya   | Bettiah Narkatiaganj Main Road to Mushar toli                                                | 1.565 | 0.491  |
| 48 | Chanpatiya   | Gopalpur thana to Chandra Shekhar Giri                                                       | 1.925 | 1.51   |
| 49 | Chanpatiya   | Rameshwar Prasad to Harihar thakur                                                           | 1.96  | 0.892  |
| 50 | Chanpatiya   | Transformar to Canal                                                                         | 2.395 | 1.408  |
| 51 | Chanpatiya   | Shiv Mandir to Rambaksh Yadav                                                                | 1.98  | 11.959 |
| 52 | Chanpatiya   | Ganesh Halwai ke ghar to Near School                                                         | 1.66  | 15.081 |
| 53 | Chanpatiya   | Shiv Mandir to Rata mishra ghogha                                                            | 2.345 | 2.816  |
| 54 | Chanpatiya   | Chandrika Paswan to Buchi yadav                                                              | 1.885 | 0.907  |
| 55 | Chanpatiya   | Chiran Chowk to Chandrika ram                                                                | 2.795 | 10.409 |
| 56 | Chanpatiya   | Lala tola to Saman bhagat Manjhi                                                             | 1.195 | 4.34   |
| 57 | Chanpatiya   | Mahaveer Mandir to School                                                                    | 2.535 | 1.857  |
| 58 | Chanpatiya   | Mahaveer Chowk to Main Canal                                                                 | 1.97  | 6.053  |
| 59 | Chanpatiya   | Parsa PMGSY to Mushlim tola                                                                  | 0.92  | 30.773 |
| 60 | Chanpatiya   | Bettiah Yogapatti Road to Parsa                                                              | 3.8   | 26.686 |
| 61 | Chanpatiya   | Ramadhar Mahto to Bangali Colony More                                                        | 1.95  | 0.929  |
| 62 | Chanpatiya   | Ramnarayan Sah to Nandlal Sah                                                                | 1.23  | 0.743  |
| 63 | Chanpatiya   | Motipur to RamSundar Ram                                                                     | 1.8   | 1.476  |
| 64 | Chanpatiya   | Tower chowk to Bazar chowk                                                                   | 1.765 | 1.032  |
| 65 | Chanpatiya   | Shatrudhan Pandey to Shiv Mandir                                                             | 2.66  | 0.86   |
| 66 | Chanpatiya   | Private School turhapatti to Gorakh Mahto                                                    | 0.59  | 1.304  |
| 67 | Chanpatiya   | Chbote Lal Sha to Bhikhari Sah                                                               | 1.9   | 23.687 |
| 68 | Chanpatiya   | Anganbari Center Banpatiya to Bandhu Bhagat                                                  | 1.8   | 1.491  |
| 69 | Chanpatiya   | Gas godown to Bachha Singh ke ghar                                                           | 0.8   | 2.053  |
| 70 | Chanpatiya   | Bettiah Lauriya Azad Chowk to Chuhari                                                        | 4.75  | 1.314  |
| 71 | Chanpatiya   | Hera Pakar B.T. Road to Pakrihar                                                             | 3.5   | 4.427  |
| 72 | Chanpatiya   | T06 to Barks Gawn                                                                            | 2.224 | 18.877 |
| 73 | Chanpatiya   | RCC (Pipra) to Bhola Sah Near River                                                          | 1.8   | 19.204 |
| 74 | Chanpatiya   | RCC Culvert Canal to PCC Road                                                                | 1.3   | 0.708  |
| 75 | Chanpatiya   | Ghogha Chowk to Mochi Nayan                                                                  | 2.5   | 7.602  |
| 76 | Chanpatiya   | T06 to Lalgadh                                                                               | 2.328 | 0.555  |
| 77 | Chanpatiya   | Banti Lal Sahni to Primary School                                                            | 1.605 | 4.883  |
| 78 | Chanpatiya   | Nahar Bharat Pandey to PCC Road                                                              | 0.905 | 1.05   |
| 79 | Chanpatiya   | Aurala to Khushwar                                                                           | 3.68  | 7.649  |
| 80 | Chanpatiya   | Bakulahar to Fatehpur Jaitiya                                                                | 3.6   | 0.72   |
| 81 | Chanpatiya   | Bettiah Mainatand Road (Chhardwali chowk) to Chhardwali                                      | 1.2   | 24.426 |

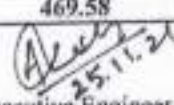
AS



|     |            |                                                            |       |        |
|-----|------------|------------------------------------------------------------|-------|--------|
| 82  | Chanpatiya | Chanpatiya Lalgaadh kamemya to tirhutiya chowk via lalgadh | 3.6   | 0.88   |
| 83  | Chanpatiya | Chaubey tola math to Primary school                        | 1.6   | 0.985  |
| 84  | Chanpatiya | Chiran Chowk to Anil Prasad                                | 1.6   | 0.978  |
| 85  | Chanpatiya | Hira Mukhiya to ratan thakur road                          | 0.93  | 3.457  |
| 86  | Chanpatiya | Kuriya kothi to Malna via chuhari                          | 9.5   | 15.556 |
| 87  | Chanpatiya | Mahaveer Chowk to Mahuniya via Pipea Naurangiya            | 2.3   | 0.978  |
| 88  | Chanpatiya | Narkatiaganj Transformar to Yamuna ram                     | 0.87  | 1.158  |
| 89  | Chanpatiya | Bettiah Mainatand Road to Ranipur                          | 1.1   | 1.893  |
| 90  | Mainatand  | Marjadwa to Balrampur                                      | 9.4   | 2.811  |
| 91  | Mainatand  | Ganhariya to Manpur                                        | 2.7   | 7.545  |
| 92  | Mainatand  | Shinghashani to Sherahwa                                   | 11.6  | 12.856 |
| 93  | Mainatand  | Jabdi to Shahpur Parsa                                     | 1.75  | 9.873  |
| 94  | Mainatand  | Hardiya to Pachgachhiya                                    | 2.495 | 1.915  |
| 95  | Mainatand  | Done Canal to Padariya                                     | 8.875 | 20.794 |
| 96  | Mainatand  | T02 to Rampur                                              | 1.492 | 9.296  |
| 97  | Gaunaha    | PWD Road to Banbairiya                                     | 5.172 | 1.868  |
| 98  | Gaunaha    | PWD Road to Parsauni                                       | 3.243 | 17.752 |
| 99  | Gaunaha    | Narkatiaganj to Mahuwa Parsa                               | 22.4  | 4.891  |
| 100 | Gaunaha    | REO Road to Mahuwa Bhusha                                  | 2.55  | 4.16   |
| 101 | Gaunaha    | Bairiya to Parsa road                                      | 4.404 | 2.729  |
| 102 | Gaunaha    | Sabodra to Domath                                          | 5     | 1.898  |
| 103 | Gaunaha    | Domath to Ratni                                            | 1.293 | 0.825  |
| 104 | Gaunaha    | PWD Road to Badauli                                        | 1.94  | 3.67   |
| 105 | Gaunaha    | Amolwa PMGSY Road to Bhariha                               | 1.85  | 0.768  |
| 106 | Gaunaha    | L037 to Nahariya tola                                      | 2.35  | 1.57   |
| 107 | Gaunaha    | Semra Sri rampur to Bairathwa                              | 1.65  | 1.384  |
| 108 | Gaunaha    | Triveni Canal TD4 to Kharkatwa                             | 2.99  | 3.696  |
| 109 | Gaunaha    | Laxmipur Chhathiya Ghat to Khadwa tola                     | 1.185 | 3.998  |
| 110 | Gaunaha    | Mainatand to Ramnagar                                      | 18.43 | 2.158  |
| 111 | Sikta      | Sikta to Khap tola                                         | 8.363 | 5.477  |
| 112 | Sikta      | Sikta to Bishopur                                          | 8.3   | 6.65   |
| 113 | Sikta      | Baishakhwa to Sikta                                        | 9.915 | 14.776 |
| 114 | Sikta      | Parsa to Jagiraha                                          | 1.406 | 7.212  |
| 115 | Sikta      | L040 Dhankutwa Mandir Chowk to Jagiriya tola               | 2.168 | 6.842  |
| 116 | Sikta      | Ekdari to Biraith                                          | 8.47  | 25.955 |
| 117 | Sikta      | L040 to Lakhaure                                           | 2.638 | 11.542 |
| 118 | Sikta      | Sikta to Surajpur                                          | 1.21  | 14.179 |
| 119 | Sikta      | Sikta to Chhapaniya                                        | 3.87  | 16.762 |
| 120 | Sikta      | L038 to Dakshin tola                                       | 1.5   | 3.963  |
| 121 | Sikta      | Bettiah Mainatand PWD Road to Sirisiya Bazar               | 4.8   | 4.139  |
| 122 | Sikta      | Balthar to Bhawari                                         | 4.982 | 12.05  |
| 123 | Sikta      | Guleriya to Mushar toli                                    | 0.89  | 6.785  |
| 124 | Sikta      | Bishakhwa to Sargatiya                                     | 3     | 7.281  |
| 125 | Sikta      | PWD Bettiah Mainatand road to Marjadwa via gauripur        | 6.5   | 10.44  |
| 126 | Sikta      | Jhumka to Dhukhi Chhapar                                   | 4     | 11.32  |
| 127 | Sikta      | Sikta to Bheriharwa                                        | 9.36  | 10.083 |
| 128 | Sikta      | Dumra to Narkatiya                                         | 4.469 | 10.053 |

AL.

|       |       |                                                                                    |        |         |
|-------|-------|------------------------------------------------------------------------------------|--------|---------|
| 129   | Sikta | Sikta to Sundargawan                                                               | 3.079  | 4.453   |
| 130   | Sikta | L038 to Jhakhara                                                                   | 1.5    | 4.175   |
| 131   | Sikta | Gram Guleriya to tatwa guleriya hote hue<br>bishambhara dhukhi chhapar high School | 4.305  | 6.044   |
| 132   | Sikta | L057 to Khap tola                                                                  | 1.275  | 1.538   |
| Total |       |                                                                                    | 469.58 | 922.934 |

  
 25.11.21  
 Executive Engineer  
 Rural Works Department  
 Work Division, Bettiah



ग्रामीण कार्य विभाग  
बिहार, सरकार

पत्रांक - मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/07/2020

प्रेषक,

पंकज कुमार पाल (430130से0)  
सचिव

सेवा में,

सभी कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,

विषय-

बाढ़ अतिवृष्टि से क्षतिग्रस्त पथों/पुलियों को यातायात लायक (Motorable) करने के संबंध में।

महोदय,

उपर्युक्त विषय के संबंध में निदेश दिया जाता है कि प्रमंडल अन्तर्गत सभी अभियंता बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों का शत प्रतिशत निरीक्षण करेंगे। पथों/पुलियों के क्षतिग्रस्त भाग से पानी उतरते ही उसे यातायात लायक बनाने की कार्रवाई एवं Motorable किये जाने से पहले तथा Motorable कार्य के बाद का Real time, Geo tagged photographs को MIS पर तत्क्षण अपलोड किया जाना सुनिश्चित करेंगे। इन कार्यों को कराने हेतु कार्यपालक अभियंता पूर्ण रूप से जिम्मेवार होंगे। कार्य न कराने की स्थिति में उनके विरुद्ध अनुशासनिक कार्रवाई की बाध्यता होगी।

विश्वासभाजन

(पंकज कुमार पाल)

सचिव

ज्ञापक- मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/7/20

प्रतिलिपि-सभी अधीक्षण अभियंता को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। साथ ही उन्हें निदेश दिया जाता है कि वे लगातार अनुश्रवण एवं निरीक्षण करते हुए क्षतिग्रस्त भाग को अतिशीघ्र यातायात लायक बनवाने की कार्रवाई सुनिश्चित करेंगे।

सचिव

ज्ञापक-मु0अ0-4 (मु0) विविध कार्य-23-60/2020 - 1937

पटना, दिनांक 07/7/20

प्रतिलिपि-सभी मुख्य अभियंता, ग्रामीण कार्य विभाग को सूचनार्थ एवं लगातार अनुश्रवण करने हेतु प्रेषित।

सचिव



## GENERAL ABSTRACT OF COST

ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGED BY FLOOD) FOR  
MOTORABILITY IN SIKTA TO SURAJPUR

DISTRICT - WEST CHAMPARAN

DIVISION - NARKATIAGANJ

BLOCK - SIKTA

LENGTH OF ROAD (in Km)- 1.21 KM

| SL.<br>No. | Item of Work                               | Amount             |
|------------|--------------------------------------------|--------------------|
| 1          | EARTH WORK                                 | 2.117 Lacs         |
| 2          | BRICK BATS                                 | 7.868 Lacs         |
| 3          | SAND BAGS                                  | 0.000 Lacs         |
| 4          | BAMBOOS PILING AND RUNNER                  | 0.000 Lacs         |
| 5          | HUME PIPE                                  | 1.911 Lacs         |
|            | <b>COST OF RESTORATION</b>                 | <b>11.895 Lacs</b> |
|            | ADD SEIGNIORAGE FEE @ 10% OF MATERIAL COST | 0.738 Lacs         |
|            | ADD LABOUR CESS @ 1%                       | 0.119 Lacs         |
|            | ADD GST @ 12%                              | 1.427 Lacs         |
|            | <b>TOTAL COST OF RESTORATION OF ROAD</b>   | <b>14.179 Lacs</b> |

  
Junior Engineer

  
Asstt. Engineer

  
Executive Engineer

Technically ~~approved~~ <sup>sanctioned</sup> for Road @ 14.179 lacs (Rupees  
fourteen lacs seventeen thousand nine hundred) only

  
Superintendent Engineer  
Rural Works Department  
Works Circle, Bettiah  
Govt. of Bihar

Name of Work:-

## Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in SIKTA To SURAJPUR

Head - FDR

| Sl No.         | Item No. | Name of Item                                                                                                                                                                                                                                                                                                 | unit | No | Length                 | Width | Height | Qty.    | Rate       | Amount    |
|----------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|------------------------|-------|--------|---------|------------|-----------|
| 1              |          | EARTH WORK - Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5 | cum  |    | As Per Appendix I      |       |        | 1575.69 | 134.33     | 211662.44 |
| 2              |          | Providing and Labour for laying dry graded Brick Bats including light ramming etc. all complete as per approved design, specification and direction of E/L.                                                                                                                                                  | cum  |    | As Per Appendix II     |       |        | 367.220 | 2142.53    | 786779.87 |
| 3              |          | Providing and and Labour for consolidation in Jhama metal by Road Roller in proper grade camber and super elevation dry and wet rolling including cost of running charge of roller driver and khalasi making and maintaining diversion light barrier - do - do - danger signal etc. all complete .           | cum  |    | As per Mesurment Sheet |       |        | 0.000   | 1790.14    | 0.00      |
| 4              |          | Providing, Filling Sand Bag, Stitching and Placing etc. all complete as per specification and direction of E/L.                                                                                                                                                                                              | Nos. |    | As per Mesurment Sheet |       |        | 0.000   | 19.67      | 0.00      |
| 5              |          | Providing and Labour for cutting 62 mm to 75 dia. Bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/L.                                                                                                                                             | RM   |    | As per Mesurment Sheet |       |        | 0.000   | 47.61      | 0.00      |
| 6              |          | Providing and Labour for fitting & fixing 62 mm to 75 dia Bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails etc. complete job as per specification and direction of E/L.                                                     | RM   |    | As per Mesurment Sheet |       |        | 0.000   | 28.85      | 0.00      |
| 7              |          | Providing and laying 1000 mm dia reinforced cement concrete pipe NP3 for culvert on first class bedding of granular material in single row excluding excavation, protection works, backfilling, concrete and masonry.                                                                                        | RM   |    | 12 Nos*2.5m            |       |        | 30.000  | 6369.61    | 191088.30 |
| 8              |          | Providing and laying 600 mm dia reinforced cement concrete pipe NP3 for culvert on first class bedding of granular material in single row excluding excavation, protection works, backfilling, concrete and masonry.                                                                                         | RM   |    | 0 Nos*2.5m             |       |        | 0.000   | 2658.77    | 0.00      |
| TOTAL (in Re.) |          |                                                                                                                                                                                                                                                                                                              |      |    |                        |       |        |         | 1189530.60 |           |

  
 Junior Engineer,  
 Rural Works Department,  
 Works Section, SIKTA

  
 Assistant Engineer,  
 Rural Works Department,  
 Works Sub Division, SIKTA

  
 Executive Engineer,  
 Rural Works Department,  
 Works Division, NARKATIAGANJ



# **SEIGNIORAGE FEE CALCULATION SHEET**

| Item description                                            | unit    | Quantity of Consuming Item | Materials Required/ Unit | Unit | Quantity/ Unit | Total Quantity Required | Rate    | Amount    | Seigniorage Fee (RS) | Final Amount (RS) |
|-------------------------------------------------------------|---------|----------------------------|--------------------------|------|----------------|-------------------------|---------|-----------|----------------------|-------------------|
| Earth Work                                                  | Cum     | 1575.69                    | Earth                    | Cum  | 1.0            | 1575.69                 | 34.82   | 54865.53  | 5486.55              | 5486.55           |
| Brick bats                                                  | Cum     | 367.22                     | Brick bats               | Cum  | 1.2            | 440.66                  | 1549.51 | 682813.27 | 68281.33             | 68281.33          |
| Sand Bags                                                   | per bag | 0.00                       | sand                     | Cum  | 0.034          | 0.00                    | 286.55  | 0.00      | 0.00                 | 0.00              |
| <b>Total Amount of seigniorage fee in construction (Rs)</b> |         |                            |                          |      |                |                         |         |           |                      | <b>73767.88</b>   |

  
 07/11/21  
 JE

  
**ASSISTANT ENGINEER**  
 Rural Works Department  
 Work Sub-Division, Sikta

  
 कार्यपालक अभियंता  
 ग्रामीण कार्य विभाग  
 कार्य प्रमंडल, नरकटियागंज

Name of Work:-

Estimate for Repair of Road breaches (Damaged by Flood) for Motorability  
in SIKTA To SURAJPUR

Appendix - I

Measurement for surfacing the Breach with EARTH WORK

| Sl. No.                                                                      | Chainage | Nos | Length (M) | Width (M) | Thickness (M) | Quantity (cum) |
|------------------------------------------------------------------------------|----------|-----|------------|-----------|---------------|----------------|
| 1                                                                            |          | 1   | 30.00      | 7.00 Av.  | 2.50 Av.      | 525.00         |
| 2                                                                            |          | 1   | 28.00      | 7.50 Av.  | 3.10 Av.      | 651.00         |
| 3                                                                            |          | 1   | 22.00      | 7.30 Av.  | 2.70 Av.      | 433.62         |
| Total                                                                        |          |     |            |           |               | 1609.62        |
| Deduction for 12Nos old 1000 mm HP at 30 m ( $3.142 \times 0.36 \times 30$ ) |          |     |            |           |               | -33.93         |
| Deduction for 0Nos old 600 mm HP at 0 m ( $3.142 \times 0.22 \times 0$ )     |          |     |            |           |               | 0.00           |
| Net Quantity of Earth Work -                                                 |          |     |            |           |               | 1575.69        |

  
07/11/21  
Junior Engineer

  
15/11/2021  
Assistant Engineer

  
15/11/21  
Executive Engineer



Name of Work:-

Estimate for Repair of Road breaches (Damaged by Flood) for  
Motorability in SIKTA To SURAJPUR

Appendix - II

Measurement for surfacing the Breach with Brick Bats

| Sl. No.                                                                      | Chainage        | Nos | Length (M) | Av. Width (M) | Thickness (M) | Quantity (cum) |
|------------------------------------------------------------------------------|-----------------|-----|------------|---------------|---------------|----------------|
| 1                                                                            |                 | 1   | 30.00      | 4.05 Av.      | 0.75 Av.      | 91.13          |
| 2                                                                            |                 | 1   | 28.00      | 4.05 Av.      | 0.70 Av.      | 79.38          |
| 3                                                                            |                 | 1   | 22.00      | 4.05 Av.      | 0.70 Av.      | 62.37          |
| 9                                                                            | RE- RESTORATION | 1   | 25.00      | 4.05 Av.      | 0.75 Av.      | 75.94          |
| 10                                                                           |                 | 1   | 24.00      | 4.05 Av.      | 0.60 Av.      | 58.32          |
| 11                                                                           |                 | 1   | 14.00      | 4.05 Av.      | 0.60 Av.      | 34.02          |
| 12                                                                           |                 | 0   | 6.50       | 3.20 Av.      | 0.90 Av.      | 0.00           |
| 13                                                                           |                 | 0   | 6.30       | 2.80 Av.      | 0.85 Av.      | 0.00           |
| 14                                                                           |                 | 0   | 4.90       | 3.10 Av.      | 0.60 Av.      | 0.00           |
| 15                                                                           |                 | 0   | 8.20       | 2.90 Av.      | 0.60 Av.      | 0.00           |
| <b>Total</b>                                                                 |                 |     |            |               |               | <b>401.15</b>  |
| Deduction for 12Nos old 1000 mm HP at 30 m ( $3.142 \times 0.36 \times 30$ ) |                 |     |            |               |               | -33.93         |
| Deduction for 0Nos old 600 mm HP at 0 m ( $3.142 \times 0.22 \times 0$ )     |                 |     |            |               |               | 0.00           |
| Net Quantity of Brick Bats                                                   |                 |     |            |               |               | <b>367.22</b>  |

  
07/11/21  
Junior Engineer

  
15/11/2021  
Asistant Engineer

  
15/11/21  
Executive Engineer



15/11/21  
 AE

15/11/2021  
 AE





15/11/2021  
 AE

15/11/2021  
 AE





27 140029  
 84 447109  
 21 19550 m  
 1.1 km  
 12/02/21 13:45

photo for ch-10



Latitude: 27.10008  
 Longitude: 84.447222  
 Elevation: 126.04257 m  
 Accuracy: 1700.3 m  
 Time: 07/12/2021 08:43



27 140029  
 84 447109  
 21 19550 m  
 1.1 km  
 12/02/21 18:18

Chang  
 15/11/21



Latitude: 27.10008  
 Longitude: 84.447222  
 Elevation: 126.04257 m  
 Accuracy: 1700.3 m  
 Time: 07/12/2021 18:34

Chang  
 15/11/21  
 AE





Photo  
 15/11/2021



Photo  
 15/11/2021