



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.

YEAR (2021-22)

STATE  
DISTRICT  
BLOCK  
DIVISION

BIHAR  
MADHEPURA  
GWALPARA  
UDAKISHANGANJ

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF  
ROAD FROM RESNA PMGSY PAH TO KAMALPUR**

|                               |    |             |
|-------------------------------|----|-------------|
| Actual Length of Road         | =  | 1.831 Km    |
| Flood affected Length of Road | =  | 0.136 Km    |
| TOTAL COST OF PAVEMENT        | Rs | 7,15,886.34 |
| TOTAL PROJECT COST            | Rs | 7,15,886.34 |

Submitted By:  
Executive Engineer  
RWD (W) Division, Udakishanganj

Prepared By:  
Executive Engineer  
RWD (W) Division, Udakishanganj

# Inspection Report for Flood Damage work

Date:-

- 1 Name of PIUS :- Ex Ram Ratan Ram (EE RWD (40) Div. Udaipur)
- 2 Name of Block :- Gwalpara
- 3 Name of Road :- Reshra Pmsy path to Kamalpur

## A. For Road

- 1 Damage Location/Chainage :- 2nd km
- 2 Damage Length :- 0.136 km
- 3 Nature of damage :- Flank Shoulder. crust
- 4 Details of Restoration Works :-
- i Material being used in Restoration works:- sand, EC Bags.
- ii Equipments/Tools being used in Restoration works:- Tractor, JCB.
- iii Procedure taken up in Restoration works :- Yes
- v Restored Length :- 0.136 km

## For Bridge

- Damage Location/Chainage :-
- Damage Length :-
- Nature of damage :-
- Details of Restoration Works :-
- Material being used in Restoration works:-
- Equipments/Tools being used in Restoration works :-
- Procedure taken up in Restoration works :-
- Restored Length :-
- NA

24-11-2021  
JE

24/11/2021  
AE

25/11/21  
EE

25/11/21  
Signature  
(Name of inspector)

## प्रतिवेदन

पथ का नाम :- रैहाना पीएमजीएस आई फ्य से कासपुर

प्रखंड :- ज्वालपाड़ा

जिला :- मधुपुरा

पथ की कुल लंबाई :- 1.831 कि०मी०

प्रस्तुत प्राकलन मो०-7/5886... लाख का वर्ष 2021 में आयी बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों को मानक अवस्था में लाने हेतु विभागीय पत्रांक-मु०अ०-4(मु०) विविध (कार्य)-23-291/2019 4275 पटना, दिनांक-22.10.2021 एवं पत्रांक- मु०अ०-4(मु०) विविध (कार्य) 23-291/2019 4589 पटना, दिनांक-13.11.2021 के द्वारा दिये गये निर्देश का अनुपालन कर ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज के अधीन स्वीकृत प्राकलन के दर पर तैयार की गई है।

1/11/2021

कनीय अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, उदाकिशुनगंज  
कार्य प्रमंडल, ज्वालपाड़ा

24/11/2021

सहायक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल,

25/11/21

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, उदाकिशुनगंज।



ग्रामीण कार्य विभाग  
बिहार, सरकार

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

पटना, दिनांक 07/07/2021

प्रेषक,

पंकज कुमार पाल (भा0प्र0से0)  
सचिव

सेवा में,

सभी कार्यपालक अभियंता  
ग्रामीण कार्य विभाग,

विषय-

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

महाशय,

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 कारवाई 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

पटना, दिनांक 07/7/2021

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

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

पटना, दिनांक 07/7/2021

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

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

सचिव

**अधीक्षण अभियंता का कार्यालय,  
ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा।  
पत्रांक.....१५६...../**

प्रेषक,

ई० खलीफुज्जमा,  
अधीक्षण अभियंता,

सेवा में,

कार्यपालक अभियंता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, मधेपुरा/उदाकिशुनगंज/सुपौल/वीरपुर/त्रिवेणीगंज।

मधेपुरा, दिनांक 13.11.21/

विषय : वर्ष 2021 के बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों का निरीक्षण एवं जाँच के संबंध में।

प्रसंग : सचिव, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक-मु०अ०-4(मु०) विविध (कार्य)-23-40/2016-2789 पटना, दिनांक 21.08.2020 एवं विभागीय Whatsapp ग्रुप में प्राप्त निदेश।

महाशय,

निदेशानुसार उपर्युक्त विषय के संबंध में कहना है कि वर्ष 2021 में बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त पथों का शत-प्रतिशत निरीक्षण एवं जाँच असम्बद्ध कार्यपालक अभियंता के स्तर से किया जाना है। इस संबंध में मधेपुरा अंचल अन्तर्गत विभिन्न प्रमंडलों के क्षतिग्रस्त पथों के निरीक्षण हेतु निम्नानुसार कार्यपालक अभियंताओं को प्राधिकृत किया जाता है।

| क्रमांक | प्रमंडल का नाम              | निरीक्षण एवं जाँच हेतु प्राधिकृत पदाधिकारी                          |
|---------|-----------------------------|---------------------------------------------------------------------|
| 1.      | कार्य प्रमंडल, मधेपुरा।     | कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, वीरपुर।      |
| 2.      | कार्य प्रमंडल, उदाकिशुनगंज। | कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा।     |
| 3.      | कार्य प्रमंडल, सुपौल।       | कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, वीरपुर।      |
| 4.      | कार्य प्रमंडल, त्रिवेणीगंज। | कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज। |
| 5.      | कार्य प्रमंडल, वीरपुर।      | कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज। |

तदनुसार निदेश दिया जाता है कि अपने-अपने आवंटित प्रमंडल के क्षतिग्रस्त पथों का निरीक्षण कर विभागीय विहित प्रपत्र में दिनांक 25.11.2021 तक जाँच प्रतिवेदन तैयार कर विभाग को ससमय समर्पित करते हुए अधोहस्ताक्षरी को भी सूचित करेंगे।

सूचनार्थ प्रेषित।

विश्वासभाजन,

13/11/21

अधीक्षण अभियंता,  
ग्रामीण कार्य विभाग, कार्य अंचल,  
मधेपुरा।

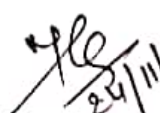


# SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY  
RESTORATION OF ROAD FROM RESNA  
PMGSY PAH TO KAMALPUR  
DIVISION :- UDAKISHANGANJ  
BLOCK :- GWALPARA  
Actual Length of Road :- 1.831 Km  
Flood Affected Length of Road :- 0.136 Km

| Sr. No.                                       | Description                              | Amount (In Rs.) |
|-----------------------------------------------|------------------------------------------|-----------------|
| 1                                             | Total Cost of Restoration=               | 6,25,274.08     |
| 2                                             | Add:-Labour Cess @1% amt. =              | 6,252.74        |
| 3                                             | Add:GST@12% on amt. =                    | 75,032.89       |
| 4                                             | Add:S.F.@ 10% on Material (Brick Bats) = | 9,326.63        |
| TOTAL RESTORATION COST OF THE PROJECT IN LACS |                                          | 7,15,886.34     |

  
24-11-2021  
Junior Engineer  
RWD (W) Division, Udakishanganj

  
24/11/2021  
Assistant Engineer  
RWD (W) Division, Udakishanganj

  
Executive Engineer  
RWD (W) Division, Udakishanganj

T-9. No-

Dated - 20/4/2022

पत्रांक मु अ (मु) सि वि द्य (कार्ग) 23-291/2019 -  
4849 दिनांक - 21/12/2021

Technically sanctioned for Rs 7,15,886.00  
(Rs seven lacs fifteen thousand eight hundred -  
eighty six) only.

*Wdwa*  
*20/04/22*  
**Estimating Officer**  
Rural Work Department  
Work Circle, Madhepura

~~**Superintending Engineer**  
Rural Work Department  
Work Circle, Madhepura~~

*20/04/22*  
**Superintending Engineer**  
Rural Work Department  
Work Circle, Madhepura

## Index of Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF  
ROAD FROM RESNA PMGSY PAH TO KAMALPUR

DISTRICT :- MADHEPURA

BLOCK :- GWALPARA

Head :- F.D.R.

Year :- 2021-22

Actual Length of Road :- 1.831 Km

Flood Affected Length of Road :- 0.136 Km

TOTAL COST OF PAVEMENT :- ₹ 7,15,886.34

| Sr. No. | Description                                    | Page No. |
|---------|------------------------------------------------|----------|
| 1       | Prativedan                                     |          |
| 2       | MIS Report                                     |          |
| 3       | Executive Engineer's Report                    |          |
| 4       | Summary of Road                                |          |
| 5       | Estimate of Road                               |          |
| 6       | Carriage of Road                               |          |
| 7       | Basic Rate of Labour, Material &<br>Machinery  |          |
| 8       | Analysis of Rate                               |          |
| 9       | Photographs of Pre & Post Cuttings<br>/Ditches |          |



## Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD  
FROM RESNA PMGSY PAH TO KAMALPUR

BLOCK :-

GWALPARA

| S.No | SOR NO   | DESCRIPTION                                                                                                                                                                                                                                                                                                                                    | QTY      | UNIT | RATE    | AMOUNT    |
|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|---------|-----------|
| 1    | 12.3     | Sand Filling in Foundation Trenches as per Drawing & Technical Specification.                                                                                                                                                                                                                                                                  | 261.19   | Cum  | 582.71  | 152197.72 |
| 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.                                                                                                     | 0.00     | Cum  | 1922.87 | 0.00      |
| 3    | 5.7.7    | Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I                                                                                                                                                                                             | 423.50   | m    | 45.86   | 19423.79  |
| 4    | 5.7.8    | Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I                                                                                                             | 0.00     | sqm  | 78.20   | 0.00      |
| 5    | 5.7.9    | Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails complete job as per specification and direction of E/I                                                                                                               | 231.00   | m    | 5.31    | 1225.91   |
| 6    |          | Supply of Bamboo at site.                                                                                                                                                                                                                                                                                                                      | 109.00   | nos. | 188.39  | 20534.10  |
| 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                                                                                                                                            | 11656.00 | nos. | 37.05   | 431892.57 |
| 8    | 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  | 3128.33 | 0.00      |
| 9    | 9.3      | Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).                                                                                                                                                                                                                                             | 0.00     | m    | 4046.57 | 0.00      |
|      |          | Total                                                                                                                                                                                                                                                                                                                                          |          |      | Rs.     | 625274.08 |

*[Signature]*  
24/11/2021  
JE

*[Signature]*  
24/11/2021  
AE

*[Signature]*  
25/11/21  
EE

# Details of Measurement

| कार्य का ब्यौरा<br>Deatail of Work |                                                                                                                                                                                                                                                                                                                                                | संख्या<br>No.                                                                          | Measurement         |                 |       | 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>RESNA PMGSY PAH TO KAMALPUR |                     |                 |       |                    |          |
| Item No. 1                         | Sand Filling in ditch & breach portion of road as per Drawing & Technical Specification.                                                                                                                                                                                                                                                       |                                                                                        |                     |                 |       |                    |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | 2                                                                                      | 25                  | 1.5             | 1.10  | 82.500             |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | 1                                                                                      | 15                  | 2.25            | 1.25  | 42.188             |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | 1                                                                                      | 10                  | 3.5             | 0.90  | 31.500             |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | 2                                                                                      | 25                  | 1.4             | 1.50  | 105.000            |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | 75                                                                                     |                     |                 |       |                    |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | Total (In Cum)                                                                         |                     |                 |       | 261.188            |          |
| Item No. 2 :                       | Laying Brick Bat....                                                                                                                                                                                                                                                                                                                           |                                                                                        |                     |                 |       |                    |          |
|                                    | CH:-in 1st km.                                                                                                                                                                                                                                                                                                                                 | 1                                                                                      | 0                   | 1.05            | 0.60  | 0.000              |          |
|                                    | Less For Pipe                                                                                                                                                                                                                                                                                                                                  | 0                                                                                      | 22/7x(0.6)2x2.5 (-) |                 |       | 0.000              |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | Total (In Cum)                                                                         |                     |                 |       | 0.000              |          |
| Item No. 3                         | Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I                                                                                                                                                                                             |                                                                                        |                     |                 |       |                    |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | 2                                                                                      | 77                  |                 | 2.75  | 423.500            |          |
|                                    | For Bamboo pilling 1.25m                                                                                                                                                                                                                                                                                                                       |                                                                                        | Total (In m)        |                 |       | 423.500            |          |
| Item No. 4                         | Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I                                                                                                             |                                                                                        |                     |                 |       |                    |          |
|                                    | Size 6m*2m, Ch.----- km                                                                                                                                                                                                                                                                                                                        | 1                                                                                      | 0                   | 2               |       | 0.00               |          |
|                                    | For Chachary 01 no. Bamboo=1.413 sqm                                                                                                                                                                                                                                                                                                           | 1                                                                                      | 0                   | 2               |       | 0.00               |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | Total (in sqm)                                                                         |                     |                 |       | 0.00               |          |
| Item No. 5                         | Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I                                                                                                                |                                                                                        |                     |                 |       |                    |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | 3                                                                                      | 77                  |                 |       | 231.00             |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | 1                                                                                      | 0                   |                 |       | 0.00               |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                | Total (in m)                                                                           |                     |                 |       | 231.00             |          |
| Item No. 6                         | Supply of Bamboo at site.                                                                                                                                                                                                                                                                                                                      |                                                                                        |                     |                 |       |                    |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                |                                                                                        | Total (In m)        |                 |       | 654.50             |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                |                                                                                        | Total (in nos.)     |                 |       | 109.08             |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                |                                                                                        |                     |                 |       | 109.00             |          |
| Item No. 7                         | 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:-                                                                                                                                                                                                                                                                                                                                           | L/S                                                                                    | 1                   | 35.3            | 2.4   | 1.4                | 118.61   |
|                                    | CH:-                                                                                                                                                                                                                                                                                                                                           | L/S                                                                                    | 1                   | 32              | 1.35  | 1.5                | 64.80    |
|                                    | CH:-                                                                                                                                                                                                                                                                                                                                           | L/S                                                                                    | 1                   | 28              | 2.3   | 1.4                | 90.16    |
|                                    | CH:-                                                                                                                                                                                                                                                                                                                                           | R/S                                                                                    | 1                   | 25.6            | 2.3   | 1.3                | 76.54    |
|                                    | CH:-                                                                                                                                                                                                                                                                                                                                           | R/S                                                                                    | 1                   | 15              | 2.2   | 1.4                | 46.20    |
|                                    |                                                                                                                                                                                                                                                                                                                                                |                                                                                        | 135.9               |                 |       |                    |          |
|                                    |                                                                                                                                                                                                                                                                                                                                                |                                                                                        | Total (in Cum)      |                 |       |                    | 396.31   |
|                                    | 0.034m3=1 nos.                                                                                                                                                                                                                                                                                                                                 |                                                                                        |                     |                 |       |                    | 11656.24 |
|                                    |                                                                                                                                                                                                                                                                                                                                                |                                                                                        | Total (in nos.)     |                 |       |                    | 11656.00 |
| Item No. 8                         | 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                   | 1               | 1     | 1.000              | 0.00     |
|                                    |                                                                                                                                                                                                                                                                                                                                                |                                                                                        | Total (Cum)         |                 |       |                    | 0.00     |
| Item No. 9                         | Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).                                                                                                                                                                                                                                              |                                                                                        |                     |                 |       |                    |          |
|                                    | Ch.0.00km                                                                                                                                                                                                                                                                                                                                      | 0                                                                                      | 3                   | 2.5             |       |                    | 0.00     |

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## Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM RESNA PMGSY PAH TO  
NAME OF ROAD :- KAMALPUR  
BLOCK :- GWALPARA

| S.No | SOR NO   | OF ITEMS                                                                                                                                                                                                                                                                                                                                       | DESCRIPTION | QTY    | UNIT | RATE    | AMOUNT    |
|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|------|---------|-----------|
| 1/1  | 12.3     | Sand Filling in Foundation Trenches as per Drawing & Technical Specification.                                                                                                                                                                                                                                                                  |             |        |      |         |           |
| 2/2  | A/R      | Providing & laying Brick Bat....                                                                                                                                                                                                                                                                                                               |             | 261.19 | Cum  | 141.85  | 37049.45  |
|      |          | 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                                                                                                                                                                                                                                                                                                                                     |             | 0.00   | Cum  | 1032.00 | 0.00      |
| 3/7  | 5.7.40.1 | Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of suli and EC bag etc. all complete as per approved desing, specification and direction of E/I                                                                                                                                             |             |        |      |         |           |
|      |          | Sand                                                                                                                                                                                                                                                                                                                                           |             | 396.31 | Cum  | 141.85  | 56216.86  |
| 4/9  | 5.7.40.2 | Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of suli etc. at site in dry portion all complete as per approved design, specification and direction of E/I                                                                 |             |        |      |         |           |
|      |          | Sand                                                                                                                                                                                                                                                                                                                                           |             | 0.00   | Cum  | 141.85  | 0.00      |
| 5/10 | 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 I 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-I                                                                                                                                                                                                                                                                                                                                       |             |        |      |         | 0.00      |
|      |          |                                                                                                                                                                                                                                                                                                                                                |             |        |      | TOTAL   | 93266.30  |
|      |          | Seigniorage Fees @10% of Basic Amount                                                                                                                                                                                                                                                                                                          |             |        |      | Say     | 9326.63   |

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24/11/2021  
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25/11/21  
EE



|    |              |         |                    |       |           |     |       |      |    |       |         |      |           |           |           |           |           |
|----|--------------|---------|--------------------|-------|-----------|-----|-------|------|----|-------|---------|------|-----------|-----------|-----------|-----------|-----------|
| 35 | Udaksunagani | Gwalior | 28th 28th Nov 1971 | PMGSY | Completed | Yes | 1.96  | 0.1  | 12 | Flood | 2021-22 | Road | 25.754257 | 85.856212 | 25.754238 | 86.856105 | 25.754238 |
| 36 | Udaksunagani | Gwalior | 28th 28th Nov 1971 | PMGSY | On Going  | No  | 4     | 0.65 | 12 | Water | 2021-22 | Road | 25.755522 | 86.879301 | 25.755504 | 86.879667 | 25.755222 |
| 37 | Udaksunagani | Purnia  | 28th 28th Nov 1971 | PMGSY | Completed | No  | 5.4   | 5    | 15 | Water | 2021-22 | Road | 25.595535 | 85.950737 | 25.595547 | 86.950742 | 25.591659 |
| 38 | Udaksunagani | Purnia  | 28th 28th Nov 1971 | PMGSY | Completed | No  | 3.495 | 0.8  | 13 | Water | 2021-22 | Road | 25.554952 | 87.00294  | 25.557151 | 87.00342  | 25.545901 |
| 39 | Udaksunagani | Purnia  | 28th 28th Nov 1971 | PMGSY | Completed | Yes | 1.035 | 0.3  | 10 | Water | 2021-22 | Road | 25.627139 | 86.956285 | 25.625924 | 86.961035 | 25.625956 |
| 40 | Udaksunagani | Purnia  | 28th 28th Nov 1971 | PMGSY | On Going  | No  | 2.72  | 0.25 | 10 | Water | 2021-22 | Road | 25.542394 | 86.961117 | 25.54371  | 86.960988 | 25.539501 |
| 41 | Udaksunagani | Purnia  | 28th 28th Nov 1971 | PMGSY | Completed | Yes | 4.55  | 0.65 | 16 | Water | 2021-22 | Road | 25.686359 | 86.985222 | 25.686285 | 86.9852   | 25.686353 |
| 42 | Udaksunagani | Purnia  | 28th 28th Nov 1971 | PMGSY | Completed | Yes | 2.897 | 0.07 | 8  | Water | 2021-22 | Road | 25.697764 | 86.94598  | 25.697764 | 86.94598  | 25.697097 |
| 43 | Udaksunagani | Purnia  | 28th 28th Nov 1971 | PMGSY | Completed | Yes | 1.79  | 0.11 | 9  | Water | 2021-22 | Road | 25.694494 | 86.930954 | 25.691505 | 86.929288 | 25.700017 |
| 44 | Udaksunagani | Purnia  | 28th 28th Nov 1971 | PMGSY | Completed | No  | 7.91  | 0.5  | 14 | Water | 2021-22 | Road | 25.654612 | 87.013181 | 25.654668 | 87.013244 | 25.654565 |

|  |  |  |  |  |  |  |  |              |      |
|--|--|--|--|--|--|--|--|--------------|------|
|  |  |  |  |  |  |  |  | Total (in m) | 0.00 |
|--|--|--|--|--|--|--|--|--------------|------|

# Analysis for Carriage by Road & Rail

District:-

MADHEPURA

Block :- G.M.

G.MALPURA

| Sl No | Item with Source         | Unit     | Source Up to | Carriage Cost & Load in Km           |                                   |        |  | Loading & Unloading Cost | Carriage Cost by Rail Head | Total      |
|-------|--------------------------|----------|--------------|--------------------------------------|-----------------------------------|--------|--|--------------------------|----------------------------|------------|
|       |                          |          |              | Pucka / Surface                      |                                   | Katcha |  |                          |                            |            |
| 1     | Stone Metal Gr-I & Gr-II | Cum      | Sheikhpura   | 8.00 x 8.20 x 35.00 Km = Rs 500.22   | 8.00 x 19.80 x 0.00 Km = Rs 0.00  |        |  | 89.90                    | 1243.54                    | Rs 1833.66 |
| 2     | Stone Metal Gr-III / GSB | Cum      | Sheikhpura   | 8.00 x 8.20 x 35.00 Km = Rs 460.12   | 8.00 x 19.80 x 0.00 Km = Rs 0.00  |        |  | 89.90                    | 1166.59                    | Rs 1716.61 |
| 3     | Stone Aggregate / Chips  | Cum      | Mirzachowki  | 8.00 x 8.20 x 35.00 Km = Rs 460.12   | 8.00 x 19.80 x 0.00 Km = Rs 0.00  |        |  | 89.90                    | 1166.59                    | Rs 1716.61 |
| 4     | Stone Aggregate / Chips  | Cum      | Mirzachowki  | 8.00 x 8.20 x 35.00 Km = Rs 460.12   | 8.00 x 19.80 x 0.00 Km = Rs 0.00  |        |  | 89.90                    | 1248.39                    | Rs 1798.41 |
| 4     | Stone Boulder            | Cum      | Sheikhpura   | 8.00 x 8.20 x 35.00 Km = Rs 478.33   | 8.00 x 19.80 x 0.00 Km = Rs 0.00  |        |  | 89.90                    | 1201.54                    | Rs 1769.77 |
| 5     | Coarse Sand              | Cum      | Jagdishpur   | 8.00 x 7.47 x 225.00 Km = Rs 2694.59 | 8.00 x 18.09 x 0.00 Km = Rs 0.00  |        |  | 104.88                   |                            | Rs 2799.47 |
| 6     | Binding Material/Moorum  | Cum      | Sheikhpura   | 8.00 x 7.47 x 35.00 Km = Rs 348.60   | 8.00 x 19.80 x 0.00 Km = Rs 0.00  |        |  | 104.88                   |                            | Rs 453.48  |
| 7     | Local Sand               | Cum      | Local        | 8.00 x 7.47 x 2.00 Km = Rs 23.95     | 8.00 x 17.82 x 1.00 Km = Rs 28.57 |        |  | 104.88                   |                            | Rs 157.40  |
| 8     | Brick                    | 1000 Nos | Local        | 8.00 x 7.47 x 7.00 Km = Rs 209.16    | 8.00 x 18.09 x 1.00 Km = Rs 72.36 |        |  | 417.46                   |                            | Rs 698.98  |
| 9     | Cement                   | MT       | Local        | 8.00 x 7.47 x 35.00 Km = Rs 261.45   | 8.00 x 18.09 x 0.00 Km = Rs 0.00  |        |  | 299.38                   |                            | Rs 560.83  |
| 10    | Steel                    | MT       | Local        | 8.00 x 7.47 x 35.00 Km = Rs 261.45   | 8.00 x 18.09 x 0.00 Km = Rs 0.00  |        |  | 318.00                   |                            | Rs 579.45  |
| 11    | Bitumen Emulsion         | MT       | Barauni      | 8.00 x 7.47 x 220.00 Km = Rs 1643.40 | 8.00 x 18.09 x 0.00 Km = Rs 0.00  |        |  | 344.50                   |                            | Rs 1987.90 |
| 12    | Bitumen                  | MT       | Muzaffarpur  | 8.00 x 7.47 x 178.00 Km = Rs 1329.66 | 8.00 x 18.09 x 0.00 Km = Rs 0.00  |        |  | 344.50                   |                            | Rs 1674.16 |
| 13    | Hume Pipe (1000 mm)      | m        | Karjain      | 8.00 x 7.47 x 106.00 Km = Rs 633.46  | 8.00 x 18.09 x 0.00 Km = Rs 0.00  |        |  | 73.32                    |                            | Rs 706.78  |
| 14    | Hume Pipe (600 mm)       | m        | Karjain      | 8.00 x 7.47 x 106.00 Km = Rs 253.38  | 8.00 x 18.09 x 0.00 Km = Rs 0.00  |        |  | 31.42                    |                            | Rs 284.80  |
| 15    | Hume Pipe (300 mm)       | m        | Karjain      | 8.00 x 7.47 x 106.00 Km = Rs 105.58  | 8.00 x 18.09 x 0.00 Km = Rs 0.00  |        |  | 31.42                    |                            | Rs 137.00  |
| 16    | Brick Bats               | Nos.     | Local        | 3.60 x 19.63 x 5.00 Km = Rs 157.04   | 3.60 x 29.03 x 2.00 Km = Rs 92.90 |        |  | 194.82                   |                            | Rs 444.76  |

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| Analysis of Rate                          |          |                                                                                                                                                                                                                                         |      |       |            |              |
|-------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|--------------|
| Sl. No.                                   | Part No. | Description                                                                                                                                                                                                                             | Unit | Qty   | Rate (Rs.) | Amount (Rs.) |
| <b>Carriage of materials (By Tractor)</b> |          |                                                                                                                                                                                                                                         |      |       |            |              |
| 1                                         | 1.4      | Cost of Haulage excluding Loading & Unloading                                                                                                                                                                                           |      |       |            |              |
|                                           | RCD      | Haulage of materials by Tractor excluding cost of loading, unloading and stacking.                                                                                                                                                      |      |       |            |              |
|                                           |          | Unit = 1 km                                                                                                                                                                                                                             |      |       |            |              |
|                                           |          | Taking output 3.60 Tonne load and lead 10 km = 36.0 t.km                                                                                                                                                                                |      |       |            |              |
|                                           |          | Case-I i Surfaced Road                                                                                                                                                                                                                  |      |       |            |              |
|                                           |          | Speed with load: 15 km per hour                                                                                                                                                                                                         |      |       |            |              |
|                                           |          | Speed while returning empty: 25 km per hour                                                                                                                                                                                             |      |       |            |              |
|                                           | a)       | Machinery                                                                                                                                                                                                                               |      |       |            |              |
|                                           |          | Tractor 3.6 t capacity                                                                                                                                                                                                                  |      |       |            |              |
|                                           |          | Time taken for onwards haulage with load                                                                                                                                                                                                | hour | 0.667 | 591.40     | 394.46       |
|                                           |          | Time taken for empty return trip                                                                                                                                                                                                        | hour | 0.400 | 591.40     | 236.56       |
|                                           |          | Total                                                                                                                                                                                                                                   |      |       |            | 631.02       |
|                                           |          | Add OH@12%                                                                                                                                                                                                                              |      |       |            | 75.72        |
|                                           |          |                                                                                                                                                                                                                                         |      |       |            | 706.75       |
|                                           |          | Rate per Ton.km                                                                                                                                                                                                                         |      |       |            | 19.63        |
|                                           |          | Case-II i Unsurfaced Gravel Road                                                                                                                                                                                                        |      |       |            |              |
|                                           |          | Speed with load: 12 km/hour                                                                                                                                                                                                             |      |       |            |              |
|                                           |          | Speed for empty return trip: 20 km/hour                                                                                                                                                                                                 |      |       |            |              |
|                                           | a)       | Machinery                                                                                                                                                                                                                               |      |       |            |              |
|                                           |          | Tractor 3.6 t capacity                                                                                                                                                                                                                  |      |       |            |              |
|                                           |          | Time taken for onwards haulage with load                                                                                                                                                                                                | hour | 0.833 | 591.40     | 492.64       |
|                                           |          | Time taken for empty return trip                                                                                                                                                                                                        | hour | 0.500 | 591.40     | 295.70       |
|                                           |          | Total                                                                                                                                                                                                                                   |      |       |            | 788.34       |
|                                           |          | Add OH@12%                                                                                                                                                                                                                              |      |       |            | 94.60        |
|                                           |          |                                                                                                                                                                                                                                         |      |       |            | 882.94       |
|                                           |          | Rate per Ton.km                                                                                                                                                                                                                         |      |       |            | 24.53        |
|                                           | (c)      | Case-III i Katcha Track and Track in River Bed / Nallah Bed and Choe Bed                                                                                                                                                                |      |       |            |              |
|                                           |          | Speed with load : 10 km / hour                                                                                                                                                                                                          |      |       |            |              |
|                                           |          | Speed with returning empty : 15 km / hour                                                                                                                                                                                               |      |       |            |              |
|                                           | (a)      | Machinery                                                                                                                                                                                                                               |      |       |            |              |
|                                           |          | Tipper 10 tonnes or 5.5 cum capacity                                                                                                                                                                                                    | hour | 1.000 | 591.40     | 591.40       |
|                                           |          | Time taken for empty return trip                                                                                                                                                                                                        | hour | 0.667 | 591.40     | 394.46       |
|                                           |          | Total                                                                                                                                                                                                                                   |      |       |            | 985.86       |
|                                           |          | Add OH@12%                                                                                                                                                                                                                              |      |       |            | 118.30       |
|                                           |          | Cost for 36.0 t.km = a+b                                                                                                                                                                                                                |      |       |            | 1,104.17     |
|                                           |          | Rate per Ton.km                                                                                                                                                                                                                         |      |       |            | 30.67        |
| 2                                         | 6.6.1.   | Labour for laying Brick bats /dry graded Jhama khoa or stone filter under Brick Pitching or Boulder pitching in slope or apron including light ramming etc. all complete job as per approved design, specification and direction of E/I |      |       |            |              |
|                                           | WRD      | Unit = Per Cum                                                                                                                                                                                                                          |      |       |            |              |
|                                           |          | Taking output= 2.832 Cum                                                                                                                                                                                                                |      |       |            |              |
|                                           | a)       | Labour                                                                                                                                                                                                                                  |      |       |            |              |
|                                           |          | Mazdoor (Unskilled)                                                                                                                                                                                                                     | Nos  | 3.00  | 287.00     | 861.00       |
|                                           | b)       | Overheads @ 12% on (a)                                                                                                                                                                                                                  |      |       |            | 103.32       |
|                                           |          | Rate for 2.832 Cum                                                                                                                                                                                                                      |      |       |            | 964.32       |
|                                           |          | Rate Per Cum                                                                                                                                                                                                                            |      |       |            | 340.51       |
| 3                                         | 1.1      | Loading and Unloading of Stone Boulder, Stone aggregate ,Sand, Kankar, Moorum , Brick Bats and Sand etc.                                                                                                                                |      |       |            |              |
|                                           | RCD      | Unit = Per Cum                                                                                                                                                                                                                          |      |       |            |              |
|                                           |          | Taking output= 2.25 Cum                                                                                                                                                                                                                 |      |       |            |              |
|                                           |          | Time required for                                                                                                                                                                                                                       |      |       |            |              |
|                                           | i)       | Positioning of tipper at unloading point                                                                                                                                                                                                | day  | 1 Min |            |              |
|                                           | ii)      | Loading by front end loader 1 cum bucket capacity @ 18 cum per hour                                                                                                                                                                     | day  | 8 Min |            |              |
|                                           | iii)     | Maneuvering, reversing, dumping and turning for return                                                                                                                                                                                  |      | 0 Min |            |              |
|                                           | iv)      | Waiting time, unforeseen contingencies etc                                                                                                                                                                                              | hour | 0 Min |            |              |
|                                           |          | Total                                                                                                                                                                                                                                   |      | 6 Min |            |              |
|                                           | a)       | Labour                                                                                                                                                                                                                                  |      |       |            |              |
|                                           |          | Mate                                                                                                                                                                                                                                    | day  | 0.03  | 305.00     | 9.15         |
|                                           |          | Mazdoor for Loading and unloading                                                                                                                                                                                                       | day  | 0.72  | 287.00     | 206.64       |
|                                           | b)       | Machinery                                                                                                                                                                                                                               |      |       |            |              |
|                                           |          | Tractor 3.6 t capacity                                                                                                                                                                                                                  | Hour | 0.10  | 591.40     | 59.14        |
|                                           |          | Front end loader 1 cum bucket capacity @ 28 cum per hour                                                                                                                                                                                | Hour | 0.08  | 1,405.00   | 116.45       |
|                                           |          |                                                                                                                                                                                                                                         |      |       |            | 391.38       |
|                                           |          | Add OH@12%                                                                                                                                                                                                                              |      |       |            | 46.97        |
|                                           |          |                                                                                                                                                                                                                                         |      |       |            | 438.34       |
|                                           |          | Rate per Cum=(a+b+c)/2.25                                                                                                                                                                                                               |      |       |            | 194.82       |
|                                           | Note:-   | Unloading will be done Manually.                                                                                                                                                                                                        |      |       |            |              |

| SI No. | SOR No. | Description                                                                                                                                                                                                                                                                                                                                                                 | Unit | Qty  | Rate (Rs.) | Amount (Rs.) |
|--------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|--------------|
| 4      | 9.3     | 1100 Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Providing and Laying Reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets. |      |      |            |              |
|        |         | 1000 mm dia Home Pipe                                                                                                                                                                                                                                                                                                                                                       |      |      |            |              |
|        |         | Unit-m                                                                                                                                                                                                                                                                                                                                                                      |      |      |            |              |
|        |         | Taking Out put=7.5 m (3 pipes of 2.5 m length each)                                                                                                                                                                                                                                                                                                                         |      |      |            |              |
|        |         | Material                                                                                                                                                                                                                                                                                                                                                                    |      |      |            |              |
|        |         | Sand at site                                                                                                                                                                                                                                                                                                                                                                |      |      |            |              |
|        |         | Cement at site                                                                                                                                                                                                                                                                                                                                                              | cum  | 0.04 | 2,950.27   | 118.01       |
|        |         | RCC pipe NP3 pipe including collar at site                                                                                                                                                                                                                                                                                                                                  | ton  | 0.03 | 5,716.83   | 171.50       |
|        |         | Labour                                                                                                                                                                                                                                                                                                                                                                      | m    | 7.50 | 3,481.28   | 26,109.60    |
|        |         | Male                                                                                                                                                                                                                                                                                                                                                                        |      |      |            |              |
|        |         | Mason (1 class)                                                                                                                                                                                                                                                                                                                                                             | day  | 0.09 | 305.00     | 27.45        |
|        |         | Mazdoor(Unskilled)                                                                                                                                                                                                                                                                                                                                                          | day  | 0.25 | 388.00     | 97.00        |
|        |         |                                                                                                                                                                                                                                                                                                                                                                             | day  | 2.00 | 287.00     | 574.00       |
|        |         | Add OH @ 12%                                                                                                                                                                                                                                                                                                                                                                |      |      |            | 27,097.57    |
|        |         | Cost for 7.50 m =                                                                                                                                                                                                                                                                                                                                                           |      |      |            | 3,251.71     |
|        |         | Rate per M =                                                                                                                                                                                                                                                                                                                                                                |      |      |            | 30,349.27    |
|        |         |                                                                                                                                                                                                                                                                                                                                                                             |      |      |            | 30,349.27    |
| 5      |         | (Providing and laying of brick bats obtained from chimney with machanical means with all spreading grading to required slope and compacted at OMC to achieve required density with all completed as per direction of E/I)                                                                                                                                                   |      |      |            |              |
|        |         | Taking out put=100 cum                                                                                                                                                                                                                                                                                                                                                      |      |      |            |              |
|        |         | Labour                                                                                                                                                                                                                                                                                                                                                                      |      |      |            |              |
|        |         | Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)                                                                                                                                                                                                                                                                                                | day  | 1.00 | 322.27     | 322.27       |
|        |         | Materials                                                                                                                                                                                                                                                                                                                                                                   |      |      |            |              |
|        |         | Brick Bats -Basic Rate Taken From RCD S.O.R. Schedule NE11-5(i) dt-25.02.2021                                                                                                                                                                                                                                                                                               | Cum  | 1    | 1032.00    | 1032.00      |
|        |         | Overheads @ 12% on (b)                                                                                                                                                                                                                                                                                                                                                      |      |      |            | 123.84       |
|        |         | Add Carriage Charge for Brick bats                                                                                                                                                                                                                                                                                                                                          |      |      |            | 444.76       |
|        |         | Total Cost                                                                                                                                                                                                                                                                                                                                                                  |      |      |            | 1,922.87     |
|        |         | NET TOTAL COST PER CUM                                                                                                                                                                                                                                                                                                                                                      |      |      |            | 1,922.87     |
|        |         | SAY Rs                                                                                                                                                                                                                                                                                                                                                                      |      |      |            | 1,922.87     |
| 6      | 5.7.7   | Labour for cutting 62 mm to 75 mm dia sal bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I.                                                                                                                                                                                                                    |      |      |            |              |
|        | WRD     | Unit :- Per M                                                                                                                                                                                                                                                                                                                                                               |      |      |            |              |
|        |         | Taking Out put:- 30.50 Mtr                                                                                                                                                                                                                                                                                                                                                  |      |      |            |              |
|        |         | (Assuming 20 nos. pile sunk 1.525 mtr deep)                                                                                                                                                                                                                                                                                                                                 |      |      |            |              |
|        |         | Total depth sunk 30.50 meter                                                                                                                                                                                                                                                                                                                                                |      |      |            |              |
|        |         | (a) Labour                                                                                                                                                                                                                                                                                                                                                                  |      |      |            |              |
|        |         | Carpenter Gr II                                                                                                                                                                                                                                                                                                                                                             | Nos  | 1.00 | 388.00     | 388.00       |
|        |         | Unskilled mazdoor for piling                                                                                                                                                                                                                                                                                                                                                | Nos  | 3.00 | 287.00     | 861.00       |
|        |         |                                                                                                                                                                                                                                                                                                                                                                             |      |      |            | 1,249.00     |
|        |         | Overheads @ 12%                                                                                                                                                                                                                                                                                                                                                             |      |      |            | 149.88       |
|        |         |                                                                                                                                                                                                                                                                                                                                                                             |      |      |            | 1,398.88     |
|        |         |                                                                                                                                                                                                                                                                                                                                                                             |      |      |            | 1,398.88     |
|        |         | Rate Per M                                                                                                                                                                                                                                                                                                                                                                  |      |      |            | 45.86        |
| 7      | 5.7.8   | Providing fitting and fixing split bamboo woven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire 3.15 mm dia or nails complete job as per specification and direction of E/I.                                                                                                                             |      |      |            |              |
|        |         | Unit :- Per M2                                                                                                                                                                                                                                                                                                                                                              |      |      |            |              |
|        |         | Taking Out put:- 9.30 Sqm                                                                                                                                                                                                                                                                                                                                                   |      |      |            |              |
|        |         | (Assuming strip of 3.05x3.05 = 9.30 sqm.)                                                                                                                                                                                                                                                                                                                                   |      |      |            |              |
|        |         | a Material                                                                                                                                                                                                                                                                                                                                                                  | kg   | 0.25 | 55.84      | 13.96        |
|        |         | 1 75 mm to 100mm long nail                                                                                                                                                                                                                                                                                                                                                  |      |      |            |              |
|        |         | 2 Bamboo - 75mm dia to 62 mm dia                                                                                                                                                                                                                                                                                                                                            |      |      |            |              |
|        |         | Bamboo @ 75mm = 3050/75 = 40.67                                                                                                                                                                                                                                                                                                                                             |      |      |            |              |
|        |         | Say=41 Nosx 3.05=125.05M                                                                                                                                                                                                                                                                                                                                                    |      |      |            |              |
|        |         | Add for Lower Binder of chachari                                                                                                                                                                                                                                                                                                                                            |      |      |            |              |
|        |         | 10x3.75=30.50M                                                                                                                                                                                                                                                                                                                                                              |      |      |            |              |
|        |         | Runner @ 150mm/c=7x3.05=21.35M                                                                                                                                                                                                                                                                                                                                              |      |      |            |              |
|        |         | Total length of Bamboo=176.9M                                                                                                                                                                                                                                                                                                                                               | No   | 30   | 141.50     | 4245         |
|        |         | Total No of Bamboo=176.9/6=30No                                                                                                                                                                                                                                                                                                                                             |      |      |            |              |
|        |         | b Labour                                                                                                                                                                                                                                                                                                                                                                    | Nos  | 1.00 | 345.00     | 345.00       |
|        |         | Carpenter Gr II                                                                                                                                                                                                                                                                                                                                                             | Nos  | 1.00 | 287.00     | 287.00       |
|        |         | Unskilled mazdoor for piling                                                                                                                                                                                                                                                                                                                                                |      |      |            |              |



| SI No. | BOR No.  | Description                                                                                                                                                                                                                                        | Unit | Qty   | Rate(Rs.) | Amount (Rs.) |
|--------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------|--------------|
|        |          | Overheads @ 12% on labour charge (345.00+287.00)                                                                                                                                                                                                   |      |       |           | 75.84        |
|        |          | Rate Per M2                                                                                                                                                                                                                                        |      |       |           | 4,966.80     |
| 8      | 5.7.8    | Labour for fitting and fixing split bamboo woven chacheri in position with 20 avg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire 3.15 mm dia or nails complete job as per specification and direction of E / I. |      |       |           | 534.06       |
|        | WRD      | Unit :- Per M2                                                                                                                                                                                                                                     |      |       |           |              |
|        |          | Taking Out put :- 9.30 sqm                                                                                                                                                                                                                         |      |       |           |              |
|        |          | (Assuming strip of 3.05 x 3.05 = 9.30 sqm)                                                                                                                                                                                                         |      |       |           |              |
|        |          | (a) Material                                                                                                                                                                                                                                       |      |       |           |              |
|        |          | (b) Labour                                                                                                                                                                                                                                         | Kg   | 0.250 | 69.30     | 17.33        |
|        |          | Carpenter Gr II                                                                                                                                                                                                                                    |      |       |           |              |
|        |          | Unskilled mazdoor for piling                                                                                                                                                                                                                       | Nos  | 1.00  | 345.00    | 345.00       |
|        |          | Overheads @ 12%                                                                                                                                                                                                                                    | Nos  | 1.00  | 287.00    | 287.00       |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 649.33       |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 77.92        |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 727.24       |
|        |          | Rate Per M2                                                                                                                                                                                                                                        |      |       |           | 727.24       |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 78.20        |
| 9      | 5.7.9    | Labour for fitting and fixing 62mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 avg G.I. wire including cost of G.I. wire or nails complete job as per specification and direction of E / I.        |      |       |           |              |
|        | WRD      | Unit :- Per M                                                                                                                                                                                                                                      |      |       |           |              |
|        |          | Taking Out put :- 30.50 Mtr                                                                                                                                                                                                                        |      |       |           |              |
|        |          | (a) Materials                                                                                                                                                                                                                                      |      |       |           |              |
|        |          | (b) Labour                                                                                                                                                                                                                                         | Kg   | 0.50  | 55.84     | 27.92        |
|        |          | Cost of 150 mm long nails                                                                                                                                                                                                                          |      |       |           |              |
|        |          | Carpenter Gr II                                                                                                                                                                                                                                    |      |       |           |              |
|        |          | Unskilled mazdoor for piling                                                                                                                                                                                                                       | Nos  | 0.13  | 345.00    | 44.85        |
|        |          | Overheads @ 12%                                                                                                                                                                                                                                    | Nos  | 0.25  | 287.00    | 71.75        |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 144.52       |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 17.34        |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 161.86       |
|        |          | Rate Per M                                                                                                                                                                                                                                         |      |       |           | 161.86       |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 5.31         |
| 10     |          | Supplying bamboo 75 mm dia 6 m to 8 m long at..... complete job as per specification and direction of E / I.                                                                                                                                       |      |       |           |              |
|        |          | (a) Taking Out put :- 115 nos                                                                                                                                                                                                                      |      |       |           |              |
|        |          | Material                                                                                                                                                                                                                                           |      |       |           |              |
|        |          | Supplying bamboo 75 mm dia 6 m to 8 m long (Cost of bamboo)                                                                                                                                                                                        | Nos  | 115   | 162.70    | 18,710.50    |
|        |          | Add Carriage Charge for Bamboo                                                                                                                                                                                                                     |      |       |           | 292.22       |
|        |          | Add Labour for laying Bamboo                                                                                                                                                                                                                       |      |       |           | 340.51       |
|        |          | Overheads @ 12%                                                                                                                                                                                                                                    |      |       |           | 19,343.23    |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 2,321.19     |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 21,664.42    |
|        |          | Rate Per each Bamboo                                                                                                                                                                                                                               |      |       |           | 21,664.42    |
|        |          |                                                                                                                                                                                                                                                    |      |       |           | 188.39       |
| 11     | 5.7.40.1 | Labour for filling empty cement bags with local sand, stitching the bags and placing including supply of sutli etc. all complete as per approved design, specifications and direction of E/I                                                       |      |       |           |              |
|        | WRD      | Unit :- Per % nos                                                                                                                                                                                                                                  |      |       |           |              |
|        |          | Taking Out put :- 100 nos                                                                                                                                                                                                                          |      |       |           |              |
|        | (a)      | Supplying of Sand bags (Cost of sand and Empty cement bag)                                                                                                                                                                                         | Nos  | 100   | 8.46      | 846.00       |
|        |          | Carriage cost for Local sand (100 no. of Bags=100x0.034m3)                                                                                                                                                                                         | cum  | 3.4   | 299.25    | 1017.45      |
|        |          |                                                                                                                                                                                                                                                    |      |       | Total     | 1863.45      |
|        | (b)      | For filling & stitching & stacking                                                                                                                                                                                                                 |      |       |           |              |
|        |          | (a) Unskilled mazdoor for filling sand into bags and sewing                                                                                                                                                                                        | Nos  | 2     | 287       | 574.00       |
|        |          | (b) Sutali                                                                                                                                                                                                                                         | Kg   | 0.5   | 19.75     | 9.88         |
|        |          |                                                                                                                                                                                                                                                    |      |       | Total     | 583.88       |
|        | (c)      | Labour rate for Carrying & Placing to work site of E.C.Bags                                                                                                                                                                                        |      |       |           |              |
|        |          | (a) Unskilled mazdoor for carrying filled bags and placing to work site                                                                                                                                                                            | Nos  | 3     | 287       | 861.00       |
|        |          | Total (A+B+C)=                                                                                                                                                                                                                                     |      |       |           | 3308.33      |



अधीक्षण अभियंता का कार्यालय,  
ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा।  
पत्रांक 483/अनु 0

प्रेषक,

ई० खलीकुज्जमा,  
अधीक्षण अभियंता,

सेवा में,

नोडल पदाधिकारी,  
F.D.R, कोषांग,  
ग्रामीण कार्य विभाग,  
बिहार, पटना।

विषय :

ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज के अन्तर्गत शीर्ष FDR (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथांशों का अस्थाई पुनर्स्थापन कार्य का प्राक्कलन के प्रशासनिक अनुमोदन प्रदान करने के संबंध में।

मधेपुरा, दिनांक 20/04/2022

प्रसंग :

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, उदाकिशुनगंज का पत्रांक 722 अनु०, दिनांक 12.04.2022 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक-मु०अ०-4(मु०)विविध(कार्य)23-291/2019-4849 पटना, दिनांक 07.12.2021

महाशय,

उपर्युक्त विषयक प्रसांगिक पत्र द्वारा प्राप्त कार्य प्रमंडल, उदाकिशुनगंज अन्तर्गत शीर्ष FDR (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथांशों का अस्थाई पुनर्स्थापन कार्य का डी०पी०आर० एक-एक प्रति में तकनीकी स्वीकृति प्रदान कर प्रशासनिक अनुमोदन हेतु समर्पित की जाती है। जिसकी विवरणी निम्नवत है।

| क्र० | प्रखंड     | योजना का नाम                                                                                               | क्षतिग्रस्त भाग की लम्बाई (KM) | तकनीकी स्वीकृति की राशि (Lakh) |
|------|------------|------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| 1.   | Alamnagar  | L025-T-05 SONAMUKHI to MURAUT (VR12)                                                                       | 0.050                          | 20.23962                       |
| 2.   | Alamnagar  | L034-T-05 CHUBATUA GANGAPUR TO HARJORAGHT (VR20)                                                           | 0.097                          | 28.17067                       |
| 3.   | Alamnagar  | L035-T-05 BHARSO TOLA TO KACHAHARI TOLA (VR21)                                                             | 0.210                          | 17.67956                       |
| 4.   | Alamnagar  | Construction of road from Alamnagar SonaMukhi kakpsila with five years maintainance with 2 no. H.L bridge. | 0.300                          | 34.63060                       |
| 5.   | Alamnagar  | Construction of road from Alamnagar fullaut road with five year maintenance with 2 nos. of H.L bridges.    | 0.072                          | 6.02269                        |
| 6.   | Bihariganj | S01school Ke Nikat Se to Vairaw Patti                                                                      | 0.087                          | 7.01604                        |

P.T.O.

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| क्र० | प्रखंड        | योजना का नाम                                                                                           | क्षतिग्रस्त भाग की लम्बाई (KM) | तकनीकी स्वीकृति की राशि (Lakh) |
|------|---------------|--------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| 7.   | Chausa        | Construction of road from Dhaneshpur to morsanda with five years maintenance.                          | 0.082                          | 5.27416                        |
| 8.   | Chausa        | Adhik Mandal Parbatta Bsabitti Ke Nikat To Sripurbasa PCC via Parbatta                                 | 0.146                          | 5.74302                        |
| 9.   | Chausa        | Khoparia Tola Lowalagan To baba bishuraut Sthan                                                        | 0.045                          | 6.24997                        |
| 10.  | Chausa        | L036-T01 TO SHABA TOLA (VR11)                                                                          | 0.733                          | 20.33275                       |
| 11.  | Gwalpara      | Resna PMGSY Path To Kamalpur                                                                           | 0.136                          | 7.15886                        |
| 12.  | Gwalpara      | Baliya Basa REO Road To Amauja                                                                         | 0.060                          | 11.57017                       |
| 13.  | Gwalpara      | L036-Gwalpara to biswari (VR7)                                                                         | 0.181                          | 9.01073                        |
| 14.  | Chausa        | Construction of H.L Bridge Over Bariyari Dhar Sapni Fulaut Pandahi Path.                               | 0.075                          | 7.41311                        |
| 15.  | Puraini       | Durga PMGSY Path Paina via Durgapur Goth Chhoti Badhona                                                | 0.142                          | 20.25279                       |
| 16.  | Puraini       | Kherho paschim Tola PMGSY Path To Dhaneshpur Via Goth Kherho                                           | 0.020                          | 2.94972                        |
| 17.  | Udakishanganj | Construction of road from Kishanganj to Biriranpal with five years maintenance                         | 0.110                          | 8.49447                        |
| 18.  | Udakishanganj | L044-T04NH106UDA TO TINTANGA (VR31)                                                                    | 0.024                          | 5.66868                        |
| 19.  | Udakishanganj | NH106 hareli to ramesh yadav ke ghar hotehu wevidyanand jha ke ghar ke aage Rampur khorha PWD road tak | 0.099                          | 5.06052                        |
| 20.  | Udakishanganj | Laxmipur - Majaura                                                                                     | 0.483                          | 11.09571                       |

अनु०:-प्राक्कलन एक-एक प्रति में।

विश्वासभाजन,

*[Handwritten Signature]*

अधीक्षण अभियंता,  
ग्रामीण कार्य विभाग, कार्य अंचल,  
मधेपुरा।