

**अधीक्षण अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा।**
पत्रांक 423/22

प्रेषक,

ई0 खलीकुज्जमा,
अधीक्षण अभियंता,

सेवा में,

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

मधेपुरा, दिनांक 21.05.22

विषय : ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा 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।

प्रसंग : कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा का पत्रांक 172/.... अनु०, दिनांक 13.5.22 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक मु0अ0-4(मु0)विविध(कार्य)23-291/2019-4849 पटना, दिनांक 07.12.2021

महाशय,

उपर्युक्त विषयक प्रसांगिक पत्र द्वारा प्राप्त कार्य प्रमंडल, मधेपुरा अन्तर्गत शीर्ष FDR (वित्तीय वर्ष 2021-22) योजना का बाढ़ से क्षतिग्रस्त पथांशों का अस्थाई पुनर्स्थापन कार्य का डी0पी0आर0 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. | Singheshwar | NH 106 Nariyal Vikash Board To Sukhasan | 0.04 | 1.63597 |
| 2. | Singheshwar | Budhawe To Latrahi | 0.269 | 7.93050 |
| 3. | Singheshwar | Singheshwar Birali Belari Road | 1.662 | 34.42555 |
| 4. | Singheshwar | Barhri NH 106 Se Babhani Path Mahuli | 0.858 | 15.23901 |
| 5. | Gamhariya | Jagir To Singhiyan | 0.033 | 13.02978 |
| 6. | Kumarkhand | Kumarkhand To jaduapatti | 0.258 | 9.27227 |
| 7. | Kumarkhand | Kumarkhand To Ramganj | 0.354 | 23.03287 |
| 8. | Kumarkhand | Kumarkhand Rauta Tengraha | 0.077 | 1.54242 |
| 9. | Kumarkhand | NH 106 To Rauta Bridge Via Berali Ranipatti | 0.180 | 5.16275 |
| 10. | Kumarkhand | Tikuliya hat To Laxmipur Bhagwati Vishwa Bank Path | 0.315 | 5.29505 |
| 11. | Kumarkhand | Kumarkhand Israinkala Jorawarganj | 0.501 | 11.30913 |

P.T.O.

| क्र० | प्रखंड | योजना का नाम | क्षतिग्रस्त भाग की लम्बाई (KM) | तकनीकी स्वीकृति की राशि (Lakh) |
|------|------------|--|---|-----------------------------------|
| 12. | Kumarkhand | Ratanpatti Sadak Korlahi To Kewatgama Chowk | 0.231 | 3.00461 |
| 13. | Kumarkhand | Madhuban to Gopipur | 0.173 | 2.08435 |
| 14. | Kumarkhand | PMGSY Sadak Kankar To Semarahi | 0.421 | 6.75308 |
| 15. | Murliganj | Murliganj NH 107 To Pakilpar (Harpur) | 1.016 | 23.65990 |
| 16. | Murliganj | Belo Chamgadth Se Chatra Kantahi | 0.910 | 27.52292 |
| 17. | Shankarpur | Sonbarsa To Shankarpur | 0.361 | 4.57169 |
| 18. | Kumarkhand | Baisarh To Bhairapur | 0.057 | 0.23201 |
| 19. | Kumarkhand | Tikuliya Bhatani Bhokaraha Samarpan School Tengraha Mandir Via Basantpur Durga Mandir PMGSY Road | 0.673 | 14.56602 |
| 20. | Murliganj | Middle School Rajani PWD Road To Pratap Nagar | 0.030 | 0.80131 |

21. Murliganj Jorgama Panchayat me Sushila Devi 0.022 1.92630
Ke Ghar se MMGSY Path Hanuman Mandir विश्वासभाजन

अनु०:-प्राक्कलन एक-एक प्रति में।

11/21/05/22

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



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
KUMARKHAND
MADHEPURA

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM PMGSY KANKAR TO SEMARAH

| | | |
|-------------------------------|----|-------------|
| Flood affected Length of Road | = | 0.421 Km ✓ |
| TOTAL COST OF PAVEMENT | Rs | 6,75,307.68 |
| TOTAL PROJECT COST | Rs | 6,75,307.68 |

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

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

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF
ROAD FROM PMGSY KANKAR TO SEMARAH

NAME OF ROAD :-

DIVISION :- MADHEPURA

BLOCK :- KUMARKHAND

Flood Affected Length of Road :- 0.421 Km

| Sr. No. | Description | Amount (In Rs.) |
|---|--|-----------------|
| 1 | Total Cost of Restoration= | 5,78,099.66 |
| 2 | Add:-Labour Cess @1% amt. = | 5,781.00 |
| 3 | Add:GST@12% on amt. = | 69,371.96 |
| 4 | Add:S.F.@ 10% on Material (Brick Bats) = | 22,055.06 |
| TOTAL RESTORATION COST OF THE PROJECT IN LACS | | 6,75,307.68 |

Say Rs 6,75,308.00

Boisend
30/10/21

Junior Engineer
RWD (W) Division, Madhepura

Boisend
30/10/21

Assistant Engineer
RWD (W) Division, Madhepura

Boisend
30/10/21

Executive Engineer
RWD (W) Division, Madhepura

T.S no - 35 dated - 20/5/2022

पत्रांक - मु.अ. - 4 (मु.) वि.वि. (कार्ग) 23-29/1/2019 - 4849

दिनांक - 07/12/2021

Technically sanctioned for ₹ 6,75,308.00/- (i.e. Six Lacs Seventy Five Thous.
Three hundred Eight only)

Wd
20/05/22

Estimating Officer
Rural Work Department
Work Circle, Madhepura

21/05/22

Superintending Engineer
Rural Works Department
Works Circle, Madhepura

Inspection Report for Flood Damage Work

Date:- 13-11-2021

1. Name of PIUs :- Er Soladoz Kumar
2. Name of Block :- Kumbhakhand
3. Name of Road :- Pmvisy kankar To Semaraker

A. For Road

1. Damage Location/Chainage :-
2. Damage Length :- 0.421 k.m. ✓
3. Nature of Damage :-
4. Details of Restoration Works :-
 - i. Material being used in Restoration works:-
 - ii. Equipments/Tools being used in Restoration works:-
 - iii. Procedure taken up in Restoration works:-
 - iv. Restored Length :-

Brickbat Bamboo pole, Sand Bag

B. For Bridge

1. Damage Location/Chainage :-
2. Damage Length :-
3. Nature of Damage :-
4. Detail of Restoration Works :-
 - i. Material being used in Restoration works:-
 - ii. Equipments/Tools being used in Restoration work:-
 - iii. Procedure taken up in Restoration works:-
 - iv. Restored Length :-

Birend 18/11/2021
JE
AE
EE
13/11/2021

महेश्वरी गौरी 15 नवम्बर 2021

signature
Trivaniyam

(Name of Inspector)

—:तकनीकी प्रतिवेदन:—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:— 3054 एफ.डी.आर.

पथ का नाम:— पी.एम.जी.एस.वाई. रोड कांकर से सेमारही पथ।

पथ की लम्बाई:— 3.675 कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्ष:— मुख्यमंत्री ग्राम सड़क योजना (एन.डी.बी.)

प्राक्कलित राशि:— रु0 6.75307 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण पी.एम.जी. एस.वाई. रोड कांकर से सेमारही पथ में हुए क्षति यथा: कटाव/धसान/जलजमाव की आकस्मिक मरम्मत एवं यातायात पुनर्बहाल करने हेतु शीर्ष 3054 एफ.डी.आर. मद से सचिव, ग्रामीण कार्य विभाग/उच्चाधिकारियों के द्वारा दिये गये निर्देश के अनुपालन में तैयार किया गया है।

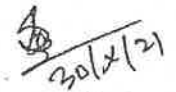
प्राक्कलन अन्तर्गत पथ में हुए क्षति की विस्तृत मापी दर्शायी गई है एवं प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है।


30/11/21

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, कुमारखण्ड


30/11/21

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल, कुमारखण्ड


30/11/21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, मधेपुरा।

Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM PMGSY KANKAR TO SEMARAH
BLOCK :- KUMARKHAND

| S.No | SOR NO | DESCRIPTION OF ITEMS | QTY | UNIT | RATE | AMOUNT |
|------|----------|---|--------|------|---------|-----------|
| 1/1 | 12.3 | Sand filling in Foundation Trenches as per Drawing & Technical Specification | | | | |
| | | E/W | 166.59 | Cum | 141.85 | 23630.79 |
| 2/2 | A/R | Providing & laying Brick Bat.... | | | | |
| | | Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge. | | | | |
| | | Brick Bats | 185.81 | Cum | 1032.00 | 191760.05 |
| 3/7 | 5.7.40.1 | Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of suti and EC bag etc, all complete as per approved desing, specification and direction of E/I | | | | |
| | | Sand | 36.38 | Cum | 141.85 | 5159.79 |
| 4/8 | 5.7.40.2 | Providing, laying and filling Geo bags of size 1m X 0.7 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m ³ . weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km) | | | | |
| | | Sand | 0.00 | Cum | 141.85 | 0.00 |
| 5/9 | 401 | Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. | | | | |
| | | For Grading 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 |
| | | | | | | 142652.88 |
| | | Cost for 300 cum = a | | Cum | | 475.51 |
| | | Rate per Cum = (a)/300 | 0.00 | Cum | 475.51 | 0.00 |
| | | | | | | 0.00 |
| | | GSB Gr-I | | | TOTAL | 220550.63 |
| | | Seigniorage Fees @10% of Basic Amount | | | Say | 22055.06 |

Prasad
28/10/24
JE

Prasad
28/10/24
AE

Prasad
28/10/24
EE

| Details of Measurement | | | | | | |
|------------------------------------|--|---|-----------------|-----------------|-------|--------------------|
| कार्य का ब्योरा Deatail of Work | | संख्या No. | Measurement | | | मात्रा Quantity |
| | | | लम्बाई in m. | चौड़ाई In m. | In m. | |
| NAME OF ROAD :- | | DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM PMGSY KANKAR TO SEMARAH | | | | |
| Item No. 1 | Sand filling in Foundation Trenches as per Drawing & Technical Specification | | | | | |
| Ch:-in | | 1 | 67 | 3.7 | 0.600 | 148.740 |
| Ch:-in | | 1 | 35 | 3.4 | 0.150 | 17.850 |
| | | | Total (in Cum) | | | 166.590 |
| Item No. 2 : | Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge. | | | | | |
| 2 : Laying Brick | | | | | | |
| Ch:-in | | 1 | 67.00 | 3.40 | 0.200 | 45.560 |
| | | 1 | 5.20 | 0.90 | 0.200 | 0.936 |
| | | 1 | 1.50 | 0.60 | 0.200 | 0.180 |
| | | 1 | 1.80 | 0.90 | 0.200 | 0.324 |
| | | 1 | 45.00 | 0.30 | 0.150 | 2.025 |
| | | 1 | 13.00 | 0.30 | 0.150 | 0.585 |
| | | 1 | 30.00 | 1.20 | 0.150 | 5.400 |
| | | 1 | 4.60 | 2.40 | 0.200 | 2.208 |
| | | 1 | 4.70 | 2.20 | 0.200 | 2.068 |
| | | 2 | 80.00 | 1.00 | 0.150 | 24.000 |
| | | 1 | 33.60 | 2.40 | 0.200 | 16.128 |
| | | 1 | 135.00 | 3.20 | 0.200 | 86.400 |
| | | | 421.40 | | | 185.814 |
| | | | Total (in Cum) | | | 185.814 |
| 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 | | | | | |
| CH:-In | | 3 | 47.00 | | 2.85 | 401.850 |
| CH:-in | | 3 | 50.00 | | 3.65 | 547.500 |
| | | | | | | |
| | | | Total (in m) | | | 949.350 |
| | For Bamboo pilling 1.25m | | | | | |
| 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-2nd km | 0 | 0 | 0.9 | | 0.00 |
| | For Chachary 01 no.(6m) Bamboo=1.413 sqm | 0 | 0 | 2 | | 0.00 |
| | | | Total (in sqm) | | | 0.00 |
| | | | Total (in m) | | | 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 | | | | | |
| CH:-in | | 3 | 47.00 | | | 141.00 |
| CH:-in | | 3 | 50.00 | | | 150.00 |
| | | | Total (in m) | | | 291.00 |
| Item No. 6 | Supply of Bamboo at site. | | | | | |
| | | | Total (in m) | | | 1240.35 |
| | | | Total (in nos.) | | | 206.73 |
| | | | | | | 207.00 |
| 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:-in | | 1 | 47.00 | 0.500 | 0.750 | 17.63 |
| CH:-in | | 1 | 50.00 | 0.500 | 0.750 | 18.75 |
| | | | Total (In cum) | | | 36.38 |

Schedule of Quantity

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD
FROM PMGSY KANKAR TO SEMARAH

BLOCK :-

KUMARKHAND

| S.No | SOR NO | DESCRIPTION OF ITEMS | QTY | UNIT | RATE | AMOUNT |
|------|----------|---|---------|------|---------|-----------|
| 1 | 301.5 | Sand filling in Foundation Trenches as per Drawing & Technical Specification | 166.59 | Cum | 582.71 | 97074.39 |
| 2 | A/R | Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge. | 185.81 | Cum | 1922.87 | 357296.17 |
| 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 | 949.35 | m | 45.86 | 43541.86 |
| 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 | 291.00 | m | 5.31 | 1544.33 |
| 6 | | Supply of Bamboo at site. | 207.00 | nos. | 188.39 | 38995.95 |
| 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 | 1070.00 | nos. | 37.05 | 39646.97 |
| 8 | | Providing, laying and filling Geo bags of size 1m X 0.7 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m ³ . weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km) | 0.00 | Each | 172.18 | 0.00 |
| 9 | 401 | Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. | 0.00 | Cum | 2091.76 | 0.00 |
| 10 | 9.3 | Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row (1000mm Dia). | 0.00 | m | 4046.57 | 0.00 |
| | | Total | | | Rs. | 578099.66 |

Arvind
30/10/24
JE

Arvind
30/10/24
AE

EE
30/10/24
EE