Seal Works Deparament



GOVERNMENT OF BIHAR

CIRCLE - R.W.D. works Circle, Kishanganj

DIVISION - R.W.D. works Division, Kishanganj-2

Name of Work :-

CONST. OF 4X21.75 M H.L RCC BRIDGE OVER KANKAI

RIVER IN 2ND KM OF HUBLIDANGI TO ICHAMARI

MMGSY ROAD

Block :-

Dighalbank

Estimated cost :-

Rs 1447780.00

Year: 2021-22

Inspection Report for Flood Damage Work

1.Name of PIUs : Kishanganj-2 : Dzghalbank 2. Name Of Block / Road A. For Road 1.Damage Location / Chainage 2. Damage Length Nature Of Damage 4. Details Of Restoration i) Material Being Used In Restoration ii) Equipment / Tools Being Used In Restoration Works iii) Procedure Taken Up In Restoration Works iv) Restored Length Const. of 4x21.75 MHL RCC B ridge Over Kankai reiver in 2nd Km of Hubbidaugi to Ichamani MMGSYR B. For Bridge : Diversion 1. Damage Location / Chainage · 78500 2.Damage Length . Diversion washout and deally error Nature Of Damage Bamboo Pilling, Sand Filling, Breick bot : loyling, Rec Pipe NP3 Laying, Filling Ec bag with L-Sand 4. Details Of Restoration : Bamboo, Sand, Brickbat RCCNP3 i) Material Being Used In Restoration Ec bag, with L-sand : Tractor, Trolly JCB with winortook ii) Equipment / Tools Being Used in Restoration Works iii) Procedure Taken Up In Restoration Works :: Manually iv) Restored Length : 785 W satisfactory

Signature

(Name Of Inspector)

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल, किशनगंज-1 अंतर्गत दीघलबैंक प्रखंड के पथ "CONST. OF 4X21.75 M H.L RCC BRIDGE OVER KANKAI RIVER IN 2ND KM OF HUBLIDANGI TO ICHAMARI MMGSY ROAD"जो विभागीय Online Monitoring Syatem MIS पर अपलोड है के बाढ 2021 से क्षतिग्रस्त हो जाने के कारण यातायात लायक Motorable हेतु बनाया गया है | इस कार्य को कराने का निर्देश ग्रामीण कार्य विभाग, बिहार सरकार के पत्रांक:- मु०अ०- 4 (मु०) विविध कार्य- 23-60/2020 - 1937 / पटना, दिनांक- 07.07.2021 से प्राप्त है | इस पत्र से Real time geo-tagged photograph को कार्य के दौरान अपलोड करते हुए (Motorable) कार्य कराना सुनिश्चित करने का निर्देश प्राप्त है |

उक्त निर्देश के आलोक में कंकई नदी उपधार नदी/नदी उपधार से आए बाढ़ के कारण इस पथ के Road wayके क्षातिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Motorable कार्य कराया गया है | MIS में अपलोडेड फोटो क्षातिग्रस्त होने का,कार्य होने के दौरान का एवं पुनः स्थापित हो जाने के बाद का Lat/Long रियल टाइम के साथ लिया गया है | नेपाल तराई से निकलने वाली इस नदी के तेज धार से इस पथ में कटाव की स्थिति बनी | Motorable कार्य में आवश्यकता अनुसार Bamboo Pilling / Pitching of E.C. Bags filled with local sand / Local sand filling / Brick bats का इस्तेमाल किया गया है | Motorable कार्य कराकर यातायात बहाल कर दिया गया है | निर्देशानुसार कराये गए कार्य का Geotagged photo real time के साथ MIS पर अपलोड है | MIS की छायाप्रति, अपलोडेड फोटोग्राफ की छायाप्रति, दर विश्लेषण एवं विभागीय आदेशों की छायाप्रति प्राक्कलन में संलग्न की जा रही है | प्राक्कलन में प्रयुक्त दर अद्धतन है |

प्राक्कलन की यथा शीघ्र अनुमोदन अपेक्षित है ताकि अग्रेतर कार्रवाई की जा सके |

कनीय अभियंता

ग्रामीण कार्य विभाग

कार्य प्रशाखा- दीघलबैंक

सहायक्र आश्रयता

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- दीघलबैंक

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमंडल, किशनगंज -2

ABSTRACT OF COST

| Name of Work :- | | CONST. OF 4X21.75 M H.L RCC BRIDGE OVER KANKAI RIVER IN 2ND KM OF HUBLIDANGI TO ICHAMARI MMGSY ROAD | | | | | | | |
|-----------------|------------|---|-----------------|--|--|--|--|--|--|
| Block :- | | Dighalbank | | | | | | | |
| Sl. No. | | Particulars | Amount (In Rs.) | | | | | | |
| А | Cost of Re | estoration work :- | Rs 1230563.00 | | | | | | |
| В | Add 12 % | GST | Rs 147668.00 | | | | | | |
| С | Add 1 % L | . Cess | Rs 12306.0 | | | | | | |
| D | Add S.Fee | @ 10 % of Material Cost | Rs 57243.00 | | | | | | |
| | | Total Cost with GST, LC & S.Fee | Rs 1447780.00 | | | | | | |

Dighalbank

Dighalbank

Technically sanction for RS. 1447780.00(Rupeas fourtier was forty seven thousand seven hundred eighty Jorly

िर्धाः अधीक्षण अभियन्ति ग्रामीण कार्य विभाग कार्य अवल, किशनगंज हः 0

Detailed Estimate

| | | Work :- | MMGSY ROAD |
|---------|----------|---------------|--|
| No 1 | o. SI. N | o. Ref.N | No Description No. No. Length Width Height (M) (M) Qty. Unit (Rs.) (Rs.) |
| | | | dia bamboo piles to size and making shoes and driving etc complete job as per specification and direction of E/I |
| | A1 | | 2 105 3.00 630.00 |
| | | | 2 7 3.00 - 42.00 |
| 2 | WRD | 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 or nails, bamboo labour for complete job as per specification and direction of E / I. |
| | | | 0 0 0.00 0.00 - 0.00 0 0 0.00 0.00 - 0.00 |
| 3 | WRD | 5.7.9 | Supplying, fitting and fixing 62 mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.l. wire including cost of G.l. wire or nails, all material and labour complete job as per specification and direction of E/I. |
| | | | 2 3 30.00 180.00 2 3 2.00 - 12.00 |
| 4 | WRD | 5.7.46 (b) | Supplying and placing bamboo roll each roll of 4 nos uncleared full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with annealed wire 20 to 25 SWG at least at three places along its length, 3 nos loads filled with (Brick bats) in empty cement bags and trying |
| | | | trying the bamboo roll at one end at least 15M away from the river bank to Bamboo post, including piling of bamboo post & royality etc. and carriage of all materials at site all complete job as per specification and direction of E/I. |
| | WRD | F 7 47 | 0 0 0.00 |
| | WRD | - , t | Supplying, making and placing in position Tree branches and Jhankhi covering cover over all space of abour of 2.832 Cum providing 3 nos. of loads by filling boulder spall in EC bags, trying with 20 to 25 SWG annealed wire to the tree spur and anchoring the same with B.A.wire 8 to 10 SWG to the bamboo post at least 15M away from the river bank including piling of bamboo post & royality etc. and carriage of all materials at site all complete job as per specification and direction of E/I. |
| | | | 0 0 0.00 |
| 3 | 3.14 | o st | Total:- 0.00 No. 1562.35 0.00 Construction of subgrade and earthen shoulders Construction of subgrade and earthen shoulders btained from borrow pits with all lifts and leads, transporting to site, preading, grading to required slope and compacted to meet requirement f Table 300.2 with lead upto 1000 m as per Technical Specification Clause 03.1. |
| | | | 0 0 0.00 0.00 0.00 0.00 0 0 0.00 0.00 0 |
| 10 | 0.01 30 | 002.0 R | estoration of Rain Cuts (By Manual Means) Total:- 0.00 Cum 174.93 0.00 |

| No. | | o. Ref.N | | Description | No. | No. | Length (M) | Width (M) | Heigh | t Qty. | Uni | t Rate | · ·····carit |
|-----|------------|---------------|---------------------|---|-------------------------|------------------|-------------------------|-------------------|----------------|--------------|----------|---------|--------------|
| | | | Resto cleari | ration of raincuts | with soil, | moo | rum gra | vel or a | mistur | e of thes | e, | (Rs.) | (Rs.) |
| | | | ray cr3 | not exceeding 25 rrammers to resto | summ an | d con | npacting | with nla | to con | nactor | in or | | |
| | | | | | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.0 | | | |
| | 0.2 | 1100 | | | | | | 0.00 | 0.00 Total: | | 0 Cum | 270.6 | |
| 8 | 9.2 (i) | 1100 & 800 | | filling or Type B | (First cla | ss) be | edding | | | | | 378.6 | 0.0 |
| | (1) | & 80C | technic | and spreading local specification Cla | ocal sand ause 305.3 | over 3.9 | brick b | ats as p | er dra | wing an | d | | |
| | | | 1 | | 1 | 1 | 30.00 | 6.00 | 0.10 | 18.0 | 0 | | |
| | | | | | 1 | 1 | 30.00 | 5.40 | 0.10 | 16.20 | ** | | |
| | | | | | 1 | 1 | 30.00 | 4.00 | 0.10 | 12.00 | | | |
| | | | | | 1 | 1 | 30.00 | 4.00 | 0.10 | 12.00 | | | |
| | | | | | 1 | 1 | 30.00 | 6.00 | 0.10 | 12.00 | | | |
| | | | | | 1 | 1 | 2.00 | 6.00 | 0.10 | 18.00 | | | 100 |
| | | | | * | | | 182.00 | 0.00 | 0.10 | 1.20 | | | |
| 9 | WRD | 5.7.40 | | | - P | | | | Total:- | 89.40 | | 514.43 | 45990.00 |
| | 10. | | per app | ng laying and sprea roved design, spec | ifications | k bats and di | s in Road irection c | ditches of E/I | all com | iplete as | | | |
| | | | | | 1 | 1 | 30.00 | 6.00 | 0.40 | 72.00 | | | |
| | | | | | 1 | 1 | 30.00 | 5.40 | 0.50 | 81.00 | | | |
| | | | | | 1 | 1 | 30.00 | 4.00 | 0.60 | 72.00 | | | |
| | | | | | 1 | 1 | 30.00 | 4.00 | 0.60 | 72.00 | | | 2 |
| | | | | | 1 | 1 | 30.00 | 4.00 | 0.50 | 60.00 | 4 | | |
| | | | +1 | | 1 | 1 | 2.00 | 6.00 | 0.40 | 72.00 | - | | |
| 10 | | | | | | | | | 0.40 otal:- | 4.80 | | | |
| 10 | 4.1 | 401 | Granula | r Sub-base with | Well Gra | ded N | Material | | otal. | 433.80 | cum . | 2168.72 | 940791.00 |
| | 2.4 | (1) | (By mix | In place method |) Con Com | A: | | ial | | | | 100 | |
| | | | construc | tion of granular | sub-base | by p | roviding | Well are | ided m | aterial, | - " | | |
| | | | | 5 in annount layers | with trac | ctor m | nounted o | rador ar | range | | | | |
| | | , | pichaiea | surface, mixing by | y mix in p | lace n | nethod w | ith rota | into | | | | |
| | | | and comp | pacting with smoot | th wheel | roller | to achie | ve the de | esired o | density, | | | |
| | | 1 | rompiete | as per Technical S | pecification | on Clai | use 401. | | | | | | |
| | | | | | 0 | 0 | 0.00 | | 0.00 | 0.00 | | | |
| | 2 83 1 | | | The second | 0 | 0 | 0.00 | | 0.00 | 0.00 | | | |
| 1 | | I | RCC Pipe | NP3 as per designed | an in Cin | ala n | (400 | То | tal:- | 0.00 | lum 2 | 977.54 | 0.00 |
| | | P | roviding | and laying reinfor | ced ceme | gie Ko | ow (100) | Omm Di | a.) | | | | |
| | | fi | irst class | bedding of granula | ar materia | al in ci | nalo rou | in al | or cuive | erts on | | | |
| | | W | vith cem | ent mortar 1:2 t | out exclu | ding | evezvatio | niciuainį | g rixing | collar | | | |
| | | b | ackfilling | , concrete and ma | sonry wor | ks in h | nond wall | n, prote | ection | works, | | | |
| | | 1 | 106. | | oomy wor | N3 111 1 | leau wall | s and pa | rapets | Clause | | Į. | |
| | | | | | 4 | 3 | 2.50 | | | 22.00 | | | |
| | | | | | | | 0.00 | | - | 30.00 | | | |
| , | | | | | | | | Tot | al:- | 0.00 | 14 4.4 | F2 22 | |
| 2 | | 10.0 | oviding a | NP3 as per desig | ed cemer | it con | crete nin | ım Dia.) | | 30.00 N | itr. 44 | 52.39 | 133572.00 |
| | | 111 | Ji Class L | reduing of granular | materia | l in sir | pale row i | ncluding | Civilia | was The same | | | |
| | | | cerile | in mortar 1:2 b | ut exclud | ing e | xcavation | nroto | atia | - 0 | | | |
| | | | ickfilling, .06. | concrete and mass | onry work | s in h | ead walls | and par | apets C | lause | | | |
| | | | | | 0 0 | | 0.00 | | | | | | |
| | | | |) = == 0 === == == | 0 0 | | 0.00 | - | | 0.00 | | | |
| | | | | | 0 | (| 0.00 | T., | | 0.00 | | | |
| | | - | | | | | | Tota | .1. | 0.00 M | | | |

| | SDB Sl. No. | MORE Ref.No | Description | lo. | No. | Length (M) | Width (M) | Height | Qty. | Uni | t Rate | Amount |
|------|----------------|----------------|---------------------------------------|-----------|---------|---------------|--------------|--------------|---------------|------|---------|-------------|
| 13 | | | RCC Pipe NP3 as per design | in S | Single | Row (3 | 00mm | Dia) | | | (Rs.) | (Rs.) |
| | | | Providing and laying reinforce | d ce | ment | concrete | pipe NI | P3 for c | ulverts o | n | - | |
| | | | first class bedding of granular | mat | erial i | n single r | ow inclu | iding fi | xing colla | r | | |
| | | | with cement mortar 1:2 but | ex | cludir | ng excav | ation, p | rotectio | n works | | | |
| | | | backfilling, concrete and mason 1106. | nry v | works | in head | walls and | d parap | ets Claus | e | | |
| | | | 1106. | 0 | 0 | 0.00 | | | | | | |
| | | | | 0 | 0 | 0.00 | - | - | 0.00 | | | |
| | | | | U | U | 0.00 | - | Total:- | 0.00 | | 1752.05 | J |
| 14 | | 5.7.52 | Supply of new bag with NC | | - | | | | | Mtr. | 1752.33 | 0.00 |
| | | | Supply of new bag and NC wi | with loca | 1 | | | | | | | |
| | | | sand (volume of filled bag 1.2 c | ft ar | nd we | ight 50kg |), stichir | ng on tw | o line h | , | | 74 |
| | | | approved nylon thread with si | ichi | ing m | achine & | genera | tor, sta | cking the | | | |
| | | | bags and placing in Nylon crate | of s | ize (1 | m x 1m x | 1m) wit | h a lead | of 150m | | | |
| | | | including supply of nylon thre | eads | etc, | placing | the fille | ed crate | s in dr | | | |
| | | | portion within a lead of 30n | ı, a | ll con | nplete a | s per a | pproved | d design, | | | |
| | | | specification and direction of E/ | ١. إ | | | | | | | | |
| | | | | 0 | 0 | | - | - | 0.00 | 1 | | |
| | | | | U | U | - | | | 0.00 | | 1240 46 | |
| 15 | | 5.7.53 | Providing and filling empty of | em | ent b | ags | | | 0.00 | No. | 1249.46 | 0.00 |
| | | | Supply of new bag with labou | | 1. | | | | | | | |
| | | | (volume of filled bag 1.2 cft a | cal sand | | | | | | | | |
| | | | approved nylon thread with st | | | | | | | | | |
| | | | bags and placing with a lead of | 150r | n incli | iding sur | nly of n | vlon thr | eads ote | | | |
| | [| | all complete as per approved de | sign | , speci | ification a | and direc | ction of | F/I | | | |
| | | | | 1 | 2 | 30.00 | 0.80 | | | | | |
| | | | | 1 | 2 | 2.00 | 0.80 | 1.20 1.50 | 57.60 4.80 | | | |
| | | | | - | - | 2.00 | | Total:- | 62.40 | Cum | | |
| | | | | | | @ 0.034 | | | 1835 | 8-6 | 38.03 | 69785.00 |
| | | | | | | | | - 0 | 1033 | 110. | | 1230563.00 |
| | | | | | | | | | | | | 1230303.00 |
| EIGN | ORAGE | FFF 10 | % FOR ROYALTY MATERIAL | | | | | | | | | |
| | CAL SA | | 70 FOR ROTALITY MATERIAL | | | | | | | | | |
| | HOL BY | | | | | 89.40 | 1.20 | = | 107.28 | Cum | 141.85 | 15218.00 |

| | | | | TAL MATERIAL CO GNORAGE FEE | OST:- 10% | 572428.00 |
|------------|--------|------|---|--------------------------------|--------------|-----------|
| LOCAL SAND | 62.40 | 1.20 | = | 74.88 Cum | 141.85 | 10622.00 |
| LOCAL SAND | 0.00 | 1.28 | = | 0.00 Cum | 285.35 | 0.00 |
| GSB | 433.80 | 1.20 | = | 520.56 Cum | 1,050.00 | 546588.00 |
| BRICK BAT | 89.40 | 1.20 | = | 107.28 Cum | 141.85 | 15218.00 |
| LOCAL SAND | | | | | | |

R.W.D Dighalbank

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