

# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

Head: F.D.R.

YEAR (2024-25)

STATE :- BIHAR

DICTRICT :- SAHARSA

BLOCK :- SALKHUA

DIVISION :- SIMRIBAKHTIYARPUR

DETAILED ESTIMATE FOR TEMPRORY RESTORATION OF ROAD FROM CONST. OF RCC BRIDGE AT HOLIYA NALA AT 1ST KM (BR29R283).

Flood affected Length of Road :- 0.034 Km  TOTAL COST OF PAVEMENT :- Rs. 717,423.83  TOTAL PROJECT COST :- Rs. 717,423.83
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Submitted By:
Executive Engineer
RWD (W) Division,SimriBakhtiyarpur

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

पथ का नाम

Construction of RCC bridge at Holiya Nala at 1st km (BR29R283over Kosi

Branch Canal (BR29R2747th Km

पुल की लंबाई

बाढ़ से क्षतिग्रस्त भाग :- 34 मी०

प्राक्कलित राशि

:- 717424.00

कार्य प्रमंडल

:- सिमरी बख्तियारपुर

कार्य अंचल

:- सहरसा

योजना शीर्ष

:- FDR

योजना वर्ष

:- 2024 - 25

प्रस्तुत प्राक्कलन कार्य प्रमंडल, सिमरी बख्तियारपुर अंतर्गत सलखुआ प्रखंड में 2024–25 में आई भीषण बाढ़ से क्षतिग्रस्त पथ में मरम्मति मद से यातायात चालू करने हेतु अस्थायी पुनर्स्थापन के अंतर्गत कराये गये कार्य के लिये तैयार किया गया है। पुल में चैनेज- Al Side to A2 Side, में भारी कटाव एवं अत्यधिक जल जमाव हो जाने से यातायात पूर्णरुप से अवरुद्ध हो जाने के कारण तत्काल यातायात बहाल करने हेतु विभागीय निदेशानुसार Drone Time Stamp Videography एवं Geotag Photograph संधारित कर MIS के FDR Module में प्रविष्टि करते हुए पथ के क्षतिग्रस्त भाग में आवश्यकतानुसार Brick Bats भरकर यातायात चालू करने हेतु अस्थायी पुनर्स्थापन कार्य कराया गया है। जिसकी प्राक्कलित राशि Rs 717424.00 है।

प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू सूचित प्रावधानों एवं वर्त्तमान अनुसूचित दर के अनुसार कार्यहित एवं स्थलीय आवश्यकता के अनुरुप तैयार किया गया है। जिसमें Contractor Profit एवं Overhead Charge शून्य रखा गया है। अतः अस्थायी पुनर्स्थापन कार्य के तहत कराये कार्य के भुगतान हेतु प्राक्कलन अग्रेतर कारवाई हेतु समर्पित ।

ग्रामीण कार्य विभाग,

कार्य प्रमंडल, सिमरी बख्तियारपुर।

ग्रामीण कार्य विभाग, कार्य प्रमंडल, सिमरी बख्तियारपुर।

वार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, सिमरी बख्तियारपुर।

### SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMATE FOR TEMPRORY

RESTORATION OF ROAD FROM CONST. OF RCC

NAME OF ROAD:-

BRIDGE AT HOLIYA NALA AT 1ST KM (BR29R283).

DIVISION: SIMRIBAKHTIYARPUR

BLOCK:- SALKHUA

Flood Affected Length of Road :- 0.034 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	587,278.47
2	Add:-Labour Cess @1% amt. =	5,872.78
3	Add:GST@18% on amt. =	105,710.12
4	Add:S.F.@ 10% on Material =	18,562.46
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	717,423.83

717429==

15/11/2024

Junior Engineer RWD (W) Division,SimriBakhtiyarpur Assistant Engineer RWD (W)

Division, Simri Bakhtiyarpur

Executive Engineer

RWD (W)

Division, SimriBakhtiyarpur

Provisionally Technically Senctioned for Rs. 717429=10 (Rube seven lac seventaen thousand fower-hundred twenty four) only.

Superintending Engineer
R W.D. Works Circle
SAHARSA

29.11.24

### **Cost Estimate For Flood Restoration Work**

NAME OF ROAD: DETAILED ESTIMATE FOR TEMPRORY
RESTORATION OF ROAD FROM CONST. OF RCC
BRIDGE AT HOLIYA NALA AT 1ST KM (BR29R283).

BLOCK :-

SALKHUA

DISTRICT :-

SAHARSA

		TOTAL MANAGEMENT OF THE PARTY O	QTY	UNIT	RATE	AMOUNT
/1	SOR NO 12.3	DESRIPTION OF ITEMS  Construction of embankment with approved material obtained from borrow pits with lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical	0.00	Cum	580.07	0.00
		Specification Clause 301.5			-	
2/2	A/R	Providing & laying Brick Bat  Providing and laying of Brick bat obtained from chimney with machenical means with all spreading, grading to required slope and compacted at OMC to achelve required density with all complete as per the direction of engineer in charge.	143.00	Cum	2049.64	293098.86
3/3	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	102.00	m	53.18	5424.39
4/4	5.7.8	Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.l wire or 75 mm to 100 mm long nails alternatively including cost of G.l. wire or nails complete Job as per specification and direction of E/I	0.00	sqm	96.06	0.00
	5,7.9	Labour for fitting and fixing 75 mm dia bamboo furniers In position at every vertical pole with 150 mm long nails	102.00	m	6.12	623.91
5/5	3.7.0	complete lob as per specification and	34.00	nos.	168.68	5735.02
6/6		Supply of Bamboo at site.  Labour filling empty cement bags with loocal sand,  Labour filling empty cement bags with loocal sand,	7544.00	nos.	37.43	282396.29
8/8	5.7.40	and EC bag etc. all complete as per specification and direction of E/I  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 0.07m3, 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	0.00	Each	188.27	0.00
9/9	9 401	complete as per specifications and lead 0.5 km)  (including Carriage of Local sand lead 0.5 km)  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	e   0.00	Cum	2352.09	0.00
		Clause 401.  Providing and Laying Reinforced Cement Concrete Pipe	0.00	m	3669.12	0.00
10	/10 9.3	NP3 as per design in Single Row.		-	Say	587278.47 18562.46
		Seigniorage Fees	+-			105710.12 5872.78
		Add @18% GST				717423.83
-	_	Add @1% Lebour Cess			Car	717423.83
$\vdash$					Say School Say	

					Details (	of Measurer	nent		Trail Control	Second La
			वेमाईस					75.60		
		No.	Length	Width(Avg)	Width	Height(Avg)	Height	Quantity		
Detail of Works			A CONTRACTOR	1	A STATE OF THE PARTY OF THE PAR	In m.		27700		
	To the second			AT DESCRIPTION OF	I in m.	In m.	TORATIO	N OF ROAD FROM	M CONST.	OF RCC
ME OF RO	AD :-									
WIL OF ING					BRIDGE	AT HOLIYA NAL	means with a	all spreading, grading direction of engineer	to required	
m No. 1	Providi	ing and	laying of Brick	pat obtain	ed from chim	ney with machenical	te as per the	direction of engineer	in charge.	
	slope a	and com	pacted at OM	to achei	ve required de	ensity with all comple	to do por ano			
	1							(1.5+1.10)/2	1.30	70.200
	A1	Side		2	18.00	(2.0+1.0+1.5)/3	1.50		1.30	72.800
	A2	Side		2	16.00	(2.0+1.5)/2	1.75	(1.5+1.10)/2	1.00	143.000
					34.00		Total	(in Cum)	h on par	
				E mm dia	hamboo niles	to size and making	shoes and dr	iving etc. complete jo	D as per	
em No. 2	Labou	ur for cu	itting 62mm to	5 MM GIA	Dailiboo piic.	, , , , , , , , , , , , , , , , , , , ,			1.5	54.000
specification and direction of I				2	18.00				1.5	48.000
A1 Side										102.000
	,	Side		2	16.00					102.00
	A2	Side	oo pilling 1 25m				Total (in n	n)	nm long	102.00
	A2 Fo	r Bamb	oo pilling 1.25n			achari in position with	20 swa G Ly	vire or 75 mm to 100 i	nm long	102.00
Item No. 3	A2 Fo	r Bamb	oo pilling 1.25n tting and fixing tiyely including			achari in position with complete job as per	20 swa G Ly	vire or 75 mm to 100 i	nm long	,,,,
Item No. 3	A2 Fo	r Bamb	oo pilling 1.25n tting and fixing tively including				20 swa G Ly	vire or 75 mm to 100 i	mm long	0.00
item No. 3	A2 Fo	r Bamb	oo pilling 1.25n tting and fixing tively including Size 6m*2m	Split bamb		achari in position with complete job as per	n 20 swg G.I v specification	vire or 75 mm to 100 r and direction of E/I	mm long	0.00
Item No. 3	Fo Labo nails	or Bamb our for fi alterna	Size 6m*2m	Split bamb	ooo woven chails	2.74	20 swg G.I v specification Total (in so	vire or 75 mm to 100 i and direction of E/I mm)	I	0.00
Item No. 3	Fo Labo nails	or Bamb our for fi alterna	Size 6m°2m	Split bamb	poo woven cha	2.74	20 swg G.I v specification  Total (in so	vire or 75 mm to 100 in and direction of E/I	I	0.00
	Fo Labo nails	or Bamb our for fi alterna	Size 6m°2m	Split bamb	poo woven cha	2.74	20 swg G.I v specification  Total (in so	vire or 75 mm to 100 in and direction of E/I	I	0.00
Item No. 3	Fo Labo nails	or Bamb our for fi alterna	Size 6m°2m	Split bamb	poo woven cha	2.74	20 swg G.I v specification  Total (in so	vire or 75 mm to 100 in and direction of E/I	I	0.00 0.00 0.00
	A2 For Laboration nails	or Bamb our for fi s alterna oour for t	Size 6m*2m fitting and fixing re including cos	Split bamb cost of G.	0  lia bamboo ruire or nails con	2.74	20 swg G.I v specification  Total (in so	vire or 75 mm to 100 in and direction of E/I	nails or 38	0.00 0.00 0.00 54.00
	A2 Fo Labo nails	or Bambour for fig alterna bour for fig 3 G.I. wi	Size 6m*2m	Split bamb cost of G.	poo woven cha	2.74	Total (in m) very vertical p	vire or 75 mm to 100 r and direction of E/I   	nails or 38	0.00 0.00 0.00
	A2 Fo Labo nails	or Bamb our for fi s alterna oour for t	Size 6m*2m	Split bamb cost of G.	ooo woven chi I. wire or nails 0 lia bamboo ru re or nails con	2.74	20 swg G.I v specification  Total (in so	vire or 75 mm to 100 r and direction of E/I   	nails or 38	0.00 0.00 0.00 54.00 48.00
Item No. 4	A2 Fc Labo nails	or Bambour for fit alternation our for fit alternation for fit alt	Size 6m*2m fitting and fixing re including cos	Split bamb cost of G.	ooo woven chi I. wire or nails 0 lia bamboo ru re or nails con	2.74	n 20 swg G.I v specification  Total (in so tal (in m)  very vertical p  cification and	vire or 75 mm to 100 r and direction of E/I 	nails or 38	0.00 0.00 0.00 54.00 48.00 102.00
	A2 Fc Labo nails	or Bambour for fit alternation our for fit alternation for fit alt	Size 6m*2m	Split bamb cost of G.	ooo woven chi I. wire or nails 0 lia bamboo ru re or nails con	2.74	20 swg G.I v specification  Total (in so tal (in m) very vertical p cification and  Total (in	vire or 75 mm to 100 r and direction of E/I	nails or 38	0.00 0.00 0.00 54.00 48.00 102.00 204.00
Item No. 4	A2 Fc Labo nails	or Bamb our for fi alterna cour for fi g G.I. wi A1 Side A2 Side	Size 6m*2m  fitting and fixing re including cos	Split bamb Split bamb Coost of G.	ooo woven chi I. wire or nails 0 lia bamboo rui re or nails con 18.00	2.74  Tonners in position at enplete job as per specific	n 20 swg G.I v specification  Total (in m) very vertical p cification and  Total (in Total (in	vire or 75 mm to 100 r and direction of E/I  m)  cole with 150 mm long direction of E/I  m)  m)  os.)	nails or 38	0.00 0.00 0.00 54.00 48.00 102.00
Item No. 4	A2 Fc Labo nails	or Bamb our for fi alterna cour for fi g G.I. wi A1 Side A2 Side	Size 6m*2m  fitting and fixing re including cos	Split bamb Split bamb Coost of G.	ooo woven chi I. wire or nails 0 lia bamboo rui re or nails con 18.00	2.74  Tonners in position at enplete job as per specific	n 20 swg G.I v specification  Total (in m) very vertical p cification and  Total (in Total (in	vire or 75 mm to 100 r and direction of E/I  m)  cole with 150 mm long direction of E/I  m)  m)  os.)	nails or 38	0.00 0.00 0.00 54.00 48.00 102.00 204.00 34.00
Item No. 4	A2 Fc Labc nails Labc nails	our for financial alternation of the salternation of the salternat	Size 6m*2m  fitting and fixing re including cos	Split bambcost of G.  1  75 mm d t of G.I will	la bamboo rure or nails con 18.00 16.00	2.74  To ners in position at enplete job as per specific position at enplete in position at enplete in position at enplete in position at enplete in position at entre in positio	Total (in mortification and Total (in mortification and Total (in mortification and Total (in mortification and mortific	vire or 75 mm to 100 r and direction of E/I  m)  cole with 150 mm long direction of E/I  m)  m)  os.)	nails or 38	0.00 0.00 0.00 54.00 48.00 102.00
Item No. 4	A2 Fc Labc nails Labc nails	our for financial alternation of the salternation of the salternat	Size 6m*2m  fitting and fixing re including cos	Split bambcost of G.  1  75 mm d t of G.I will	la bamboo rure or nails con 18.00 16.00	2.74  To ners in position at enplete job as per specific position at enplete in position at enplete in position at enplete in position at enplete in position at entre in positio	Total (in m)  Total (in m)  very vertical p cification and  Total (in m)  Total (in m)	vire or 75 mm to 100 r and direction of E/I	nails or 38	0.00 0.00 0.00 54.00 48.00 102.00 204.00 34.00
Item No. 4	A2 Fc Labc nails Labc nails	our for financial alternation of the salternation of the salternat	Size 6m*2m  fitting and fixing re including cos	75 mm d t of G.I win  2 2 2 mnt bags w	ia bamboo ruire or nails  1. wire or nails	2.74  Tonners in position at enplete job as per special, stitching the bags a ation and direction of	Total (in more)	vire or 75 mm to 100 r and direction of E/I  m)  cole with 150 mm long direction of E/I  m)  m)  os.)	nails or 38	0.00 0.00 0.00 54.00 48.00 102.00 34.00 34.00
Item No. 4	A2 Fc Labc nails Labc nails	our for fig. alterna  Sour for fig. alterna  A1 Side A2 Side  A2 Side  A2 Side  A3 Side  A4 Side  A5 Side	Size 6m*2m  fitting and fixing re including cos  Bamboo at site.  ling empty cememplete as per a	Split bambcost of G.  1  75 mm d t of G.I will  2  2  nt bags waproved di	iia bamboo ruire or nails con 18.00 16.00 16.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00	2.74  Tomers in position at emplete job as per special policy in the pol	Total (in more than the property of the proper	vire or 75 mm to 100 r and direction of E/I  m)  cole with 150 mm long direction of E/I  m)  m)  os.)	nails or 38  1.5 1.5 1.5 1.5 1.5	0.00 0.00 0.00 54.00 48.00 102.00 34.00 34.00 148.51 108.00 256.56
Item No. 4	A2 Fc Labc nails Labc nails	our for fig alternation of Salternation of Sal	Size 6m*2m  fitting and fixing re including cos  Bamboo at site.  ling empty cememplete as per a	75 mm d t of G.I win  2 2 2 mnt bags w	iia bamboo ruire or nails con 18.00 16.00 16.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00	2.74  Tomers in position at emplete job as per special policy in the pol	Total (in more)	vire or 75 mm to 100 r and direction of E/I  m)  cole with 150 mm long direction of E/I  m)  m)  os.)	nails or 38  1.5 1.5 1.5 1.5 1.5	0.00 0.00 0.00 54.00 48.00 102.00 204.00 34.00

15/11/2026

Junior Engineer RWD (W) Division,SimriBakhtiyarpur 11-27

Assistant Engineer RWD (W) Division,SimriBakhtiyarpur Executive Engineer RWD (W) Division, SimriBakhtiyarpur