

# 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 IN TO2 TO SAMHARKALA ROAD OVER KOSI BRANCH CANAL(BR29R274).

Flood affected Length of Road	:-	0.038 Km
TOTAL COST OF PAVEMENT	:	Rs. 737,904.37
TOTAL PROJECT COST		

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

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

पथ का नाम

Construction of RCC Bridge in T02 To Samharkala Road

पुल की लंबाई

:- 150 मी०

बाढ़ से क्षतिग्रस्त भाग :- 38 मी०

प्राक्कलित राशि

·- 737904.00

कार्य प्रमंडल

सिमरी बिख्तियारपुर

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 वहाल 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 737904.00 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 भगतान हेत प्राक्कलन अग्रेतर कारवाई हेतु समर्पित ।

Menua 15/11/202

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

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

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 IN T02 TO SAMHARKALA ROAD OVER

MOCI DD ANICH CANIAI (DD10D174)

DIVISION: **SIMRIBAKHTIYARPUR** 

BLOCK:-**SALKHUA** 

Flood Affected Length of Road: 0.038 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	609,444.09
2	Add:-Labour Cess @1% amt. =	6,094.44
3	Add:GST@18% on amt. ≃	109,699.94
4	Add:S.F.@ 10% on Material =	12,665.89
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	737,904.37

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

**Assistant Engineer** RWD (W) Division, Simri Bakhtiyarpur **Executive Engineer** 

RWD (W) Division, SimriBakhtiyarpur

Sever 0420

> agrilay Superintending Engineer R W.D. Works Circle SAHARSA 20111-14

### Cost Estimate For Flood Restoration Work

DETAILED ESTIMATE FOR TEMPRORY
RESTORATION OF ROAD FROM CONST. OF RCC
BRIDGE IN T02 TO SAMHARKALA ROAD OVER
KOSI BRANCH CANAL(BR29R274).

BLOCK :-

SALKHUA

DISTRICT :-

SAHARSA

				2.3		_ %	
	00.1/0	DESRIPTION OF ITEMS	QTY	UN	TIN	RATE	AMOUNT
/1	1	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 Specification Clause 301.5	0.00	С	um	580.07	0.00
	A /D	Providing & laying Brick Bat					
2/2	A/R	Providing and laying of Brick bat obtained from chimney with machenical 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.	65.85	(	Cum	2049.64	134968.95
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	243.20		m	53.18	12933.46
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	0.00		sqm	96.06	0.00
5/5	5.7.9	direction of E/I  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	243.2	20	m	6.12	1487.59
-+		complete iob as per specification and direction of E/I Supply of Bamboo at site.	81.0	0	nos.	168.68	13662.83
7/7	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	1192 ### 247.		nos.	37.43	446391.27
8/8	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 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines 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)		00	Each	188.27	0.00
9/9	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with trac 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	;, l o	.00	Cum 2352.0		0.00
10/10	9.3	Specification Clause 401.  Providing and Laying Reinforced Cement Concrete Pi NP3 as per design in Single Row.	pe C	0.00	m	3669.	700444
10/10	7.5	NP3 as per design in single nom				Say	609444. 12665.8
							109699.
		Seigniorage Fees					6094.4
		Add @18% GST					737904.
		Add @1% Lebour Cess					/3/904.
		Add @1% Lebour Cess				Sa	

15/11/2017

SWIN

TITUEE

Quantity.	Details of Measurement					2545		
	Height	Height(Avg)	Width	Width(Avg)	Length	No.	Detail of Works	
		In m.		In m.	in m.			
OF RCC 274).	ALQUINZA	DF ROAD FROM BRANCH CAN	OVER KUSI	MPRORY REST	TE FOR TE	CE IN TO	זזמם ו -ו טאט:	ME OF ROA
	D 1040	oreading, grading i	neans with all s	ith machanical	1.6		Providing and laying of Br slope and compacted at 0	n No. 1
37.500	0.75	(1.0+0.5)/2	1,250	(1.0+1.5)/2	20.00	1.	11011	
28,350	0.70	(0.6+0.8)/2	1,125			2	A1 Side	
65.850			Total (in	(1.25+1.0)/2	18.00	2	A2 Side	
	as per	n etc. complete job	hace and drivi		38.00			
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	snoes and drivi	size and making	bamboo piles	to 75 mm dia	2 Labour for cutting 62mm	m No. 2
128.000	3.2		T			n of E/I	specification and direction	
115.200	3.2		+		20.00	2	A1 Side	
243.200			Total (in m)		18.00	2	AO Cida	
	nm long	or 75 mm to 100 n	20 aug G Lyára	nari in position with	ooo woven cha	25m ing Split bam	A2 Side  For Bamboo pilling 1.  July about for fitting and fix	tem No. 3
0.00	nm long	or 75 mm to 100 nd direction of E/I	20 aug G Lyára		ooo woven chad wire or nails o	25m ing Split bam ing cost of G	For Bamboo pilling 1.	tem No. 3
0.00	nm long		20 swg G.I wire specification an	nari in position with emplete job as per 2.74	ooo woven cha l. wire or nails o	ing cost of G.	For Bamboo pilling 1.	tem No. 3
	<b></b>		20 swg G.I wire specification and Total (in sqm	2.74	0	2m, 1	For Bamboo pilling 1.  Labour for fitting and fix nails alternatively include Size 6m	tem No. 3
0.00	<b></b>	with 150 mm long	20 swg G.I wire specification and Total (in sqm tal (in m)	2.74 To	0	2m, 1	For Bamboo pilling 1.  Sample of the second	tem No. 3
0.00	<b></b>	with 150 mm long	20 swg G.I wire specification and Total (in sqm tal (in m)	2.74 To	0	2m, 1	For Bamboo pilling 1.  Labour for fitting and fix nails alternatively include Size 6m	
0.00 0.00 128.00 115.20	nails or 38	with 150 mm long	20 swg G.I wire specification and Total (in sqm tal (in m)	2.74 To	ia bamboo run e or nails com	2m, 1	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5. 4 Labour for fitting and fix swg G.l. wire including	
0.00	nails or 38	with 150 mm long	20 swg G.I wire specification and Total (in sqm tal (in m) rery vertical poleification and dis	2.74 To	0 ia bamboo run	2m, 1  king 75 mm cost of G.I wi	For Bamboo pilling 1.  Sample of the second	
128.00 115.20 243.20	nails or 38	with 150 mm long	20 swg G.I wire specification and Total (in sqm tal (in m)	2.74 To	ia bamboo run e or nails com	2m, 1  king 75 mm cost of G.I wi	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5.4 Labour for fitting and fix swg G.I. wire including	
128.00 115.20 243.20 486.44	nails or 38	e with 150 mm long ection of E/I	20 swg G.I wire specification and Total (in sqm tail (in m) erry vertical poleification and displayment of the square of the squ	2.74 To	ia bamboo run e or nails com	ing cost of G.  ing 75 mm cost of G.I with the cost	For Bamboo pilling 1.  Size 6m  Labour for fitting and fix nails alternatively included Size 6m  Labour for fitting and fix swg G.I. wire including A1 Side A2 Side	Item No. 4
128.00 115.20 243.21 486.44 81.07	nails or 38	e with 150 mm long ection of E/I	20 swg G.I wire specification and Total (in m) ery vertical poleification and displayed and the Total (in m) Total (in m)	2.74 To	ia bamboo run e or nails com	ing cost of G.  ing 75 mm cost of G.I with the cost	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5. 4 Labour for fitting and fix swg G.I. wire including A1 Side A2 Side	
128.00 115.20 243.20 486.44	nails or 38	e with 150 mm long ection of E/I	20 swg G.I wire specification and Total (in m)	2.74  To ers in position at evere job as per spece	ia bamboo run e or nails com 20.00 18.00	2m, 1  ding 75 mm of cost of G.I with the cost of G	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5. 4 Labour for fitting and fix swg G.l. wire including A1 Side A2 Side  10. 5 Supply of Bamboo at 1	Item No. 4
128.00 115.20 243.21 486.44 81.07	nails or 38	e with 150 mm long ection of E/I	20 swg G.I wire specification and I Total (in sqm tal (in m) rery vertical pole ification and displacement of the I total (in m) Total (in most of the I total (in nost of the	2.74  To ers in position at evete job as per special s	ia bamboo run e or nails com 20.00 18.00	ing cost of G.  2m, 1  ding 75 mm of cost of G.I with the cost of G.I wi	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5. 4 Labour for fitting and fix swg G.I. wire including A1 Side A2 Side  6. 5 Supply of Bamboo at 1	Item No. 4
128.00 115.20 243.21 486.44 81.07	nails or 38	e with 150 mm long ection of E/I  Jing supply of sutti a	20 swg G.I wire specification and flat (in m)  Total (in m)	2.74  To ers in position at evete job as per special s	ia bamboo run e or nails com 20.00 18.00	ing cost of G.  2m, 1  ding 75 mm of cost of G.I with the cost of G.I wi	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5. 4 Labour for fitting and fix swg G.I. wire including A1 Side A2 Side  6. 5 Supply of Bamboo at 1	Item No. 4
128.00 115.20 243.21 486.44 81.07	nails or 38  3.2  3.2  3.2  3.2  2.650	e with 150 mm long ection of E/I  Jing supply of sutti a	20 swg G.I wire specification and Interpreted Interpre	2.74  To ers in position at every eter job as per special stitching the bags a on and direction of (2.0+2.5)/2	ia bamboo run e or nails com 20.00 18.00 ith loocal sand, esing, specifica	ing cost of G.  2m, 1  ding 75 mm of cost of G.I with the cost of G.I wi	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5. 4 Labour for fitting and fix swg G.I. wire including A1 Side A2 Side  10. 5 Supply of Bamboo at 1.  10. 6 Labour filling empty cetc. all complete as p	Item No. 4
128.00 115.20 243.21 486.44 81.07	nails or 38	e with 150 mm long ection of E/I  Jing supply of sutti a	20 swg G.I wire specification and lal (in m) rotal (in m)  Total (in m)  2.25  1.75	2.74  To ers in position at evere job as per special stitching the bags at ion and direction of (2.0+2.5)/2 (2.0+1.5)/2	ia bamboo run e or nails com 20.00 18.00 ith loocal sand, esing, specifica	zm, 1  zing 75 mm o cost of G.I with the cost of G.	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5. 4 Labour for fitting and fix swg G.I. wire including A1 Side A2 Side  10. 5 Supply of Bamboo at size A1 Side A2 Side  10. 5 Labour filling empty cetc. all complete as part of the swg G.I. all complete as part of th	Item No. 4
128 00 115 22 243 21 486.4 81.07 81.00	nails or 38  3.2  3.2  3.2  3.2  2.650	e with 150 mm long ection of E/I  Jing supply of sutti a	20 swg G.I wire specification and Interpreted Interpre	2.74  To ers in position at evere job as per special stitching the bags at ion and direction of (2.0+2.5)/2 (2.0+1.5)/2	ia bamboo run e or nails com 20.00 18.00 ith loocal sand, esing, specifica	ing cost of G.  2m, 1  ding 75 mm of cost of G.I with the cost of G.I wi	For Bamboo pilling 1.  3 Labour for fitting and fix nails alternatively included Size 6m  5. 4 Labour for fitting and fix swg G.I. wire including A1 Side A2 Side  10. 5 Supply of Bamboo at 1.  10. 6 Labour filling empty cetc. all complete as p	Item No. 4

15/11/2019

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