



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 T02 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	:-	Rs. 737,904.37

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

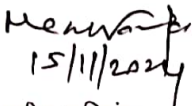
Prepared By:
Executive Engineer
RWD (W) Division, SimriBakhtiyarpur

प्रतिवेदन

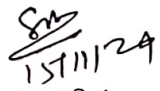
पथ का नाम :- Construction of RCC Bridge in T02 To Samharkala Road
पुल की लंबाई :- 150 मी०
बाढ़ से क्षतिग्रस्त भाग :- 38 मी०
प्राक्कलित राशि :- 737904.00
कार्य प्रमंडल :- सिमरी बख्तियारपुर
कार्य अंचल :- सहरसा
योजना शीर्ष :- FDR
योजना वर्ष :- 2024 - 25

प्रस्तुत प्राक्कलन कार्य प्रमंडल, सिमरी बख्तियारपुर अंतर्गत सलखुआ प्रखंड में 2024-25 में आई भीषण बाढ़ से क्षतिग्रस्त पथ में मरम्मत मद से यातायात चालू करने हेतु अस्थायी पुनर्स्थापन के अंतर्गत कराये गये कार्य के लिये तैयार किया गया है। पुल में चैनेज- A1 Side to A2 Side में भारी कटाव एवं अत्यधिक जल जमाव हो जाने से यातायात पूर्णरूप से अवरुद्ध हो जाने के कारण तत्काल यातायात बहाल करने हेतु विभागीय निदेशानुसार Drone Time Stamp Videography एवं Geotag Photograph संघारित 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 वर्तमान अनुसूचित दर के अनुसार कार्यहित एवं स्थलीय आवश्यकता के अनुरूप 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।


15/11/2024
कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, सिमरी बख्तियारपुर।


15/11/24
सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, सिमरी बख्तियारपुर।


15/11/24
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, सिमरी बख्तियारपुर।

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY
RESTORATION OF ROAD FROM CONST. OF RCC
BRIDGE IN T02 TO SAMHARKALA ROAD OVER
KOSI BRANCH CANAL (PP200274)
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

Say - 737904-00

15/11/2024

Junior Engineer
RWD (W) Division, SimriBakhtiyarpur

15-11-24

Assistant Engineer
RWD (W)
Division, SimriBakhtiyarpur

15/11/24

Executive Engineer
RWD (W)
Division, SimriBakhtiyarpur

Provisionally Technically Sanctioned for Rs. 737,904.37 Seven Lacs
Thirty Seven Thousand Nine Hundred four only

Superintending Engineer
R W.D. Works Circle
SAHARSA

20/11/24

Cost Estimate For Flood Restoration Work

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

BLOCK :-

SALKHUA

DISTRICT :-

SAHARSA

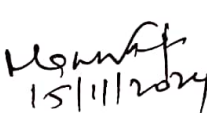
S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Construction of embankment with approved material obtained from borrow pits with lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5	0.00	Cum	580.07	0.00
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.	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.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	96.06	0.00
5/5	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	243.20	m	6.12	1487.59
6/6		Supply of Bamboo at site.	81.00	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	11925.10 ##### 2452	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 0.07m 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	188.27	0.00
9/9	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	2352.09	0.00
10/10	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	0.00	m	3669.12	0.00
					Say	609444.09
						12665.89
		Seigniorage Fees				109699.94
		Add @18% GST				6094.44
		Add @1% Lebour Cess				737904.37
					Say	737904

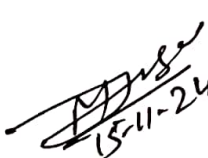
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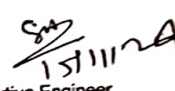
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Details of Measurement								
Detail of Works	No.	पेमाईस					Quantity.	
		Length	Width(Avg)	Width	Height(Avg)	Height		
		In m.	In m.		In m.			
NAME OF ROAD :-		DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM CONST. OF RCC BRIDGE IN T02 TO SAMHARKALA ROAD OVER KOSI BRANCH CANAL(BR29R274).						
Item No. 1	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.							
A1 Side	2	20.00	(1.0+1.5)/2	1.250	(1.0+0.5)/2	0.75	37.500	
A2 Side	2	18.00	(1.25+1.0)/2	1.125	(0.6+0.8)/2	0.70	28.350	
		38.00	Total (In Cum)				65.850	
Item No. 2	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							
A1 Side	2	20.00				3.2	128.000	
A2 Side	2	18.00				3.2	115.200	
			Total (in m)				243.200	
Item No. 3	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,	1	0	2.74				0.00	
			Total (in sqm)				0.00	
			Total (in m)				0.00	
Item No. 4	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							
A1 Side	2	20.00				3.2	128.00	
A2 Side	2	18.00				3.2	115.20	
			Total (in m)				243.20	
Item No. 5	Supply of Bamboo at site.							488.40
			Total (in nos.)				81.07	
			Total (in nos.)				81.00	
Item No. 6	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							
A1 Side	2	20.00	(2.0+2.5)/2	2.25	(2.8+2.5)/2	2.650	238.50	
A2 Side	2	18.00	(2.0+1.5)/2	1.75	(2.8+2.5)/2	2.650	166.95	
			Total (in cum)				405.45	
			Total (in cum)				11925.00	
(0.034m3=1 no. of EC Bags)			Total (in nos.)				11925.00	


 15/11/2024
 Junior Engineer
 RWD (W) Division, SimriBakhtiyarpur


 15-11-24
 Assistant Engineer
 RWD (W) Division, SimriBakhtiyarpur


 15/11/24
 Executive Engineer
 RWD (W) Division, SimriBakhtiyarpur