

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 HL BRIDGE IN DENGRAHI TO CHIRAIYAAT CH:-7TH KM.

Flood affected Length of Road	:-,	0.070 Km
TOTAL COST OF PAVEMENT	:-	Rs. 2.225 277 65
TOTAL PROJECT COST	:-	Rs. 2,225,277.65
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Submitted By: Executive Engineer RWD (W) Division,SimriBakhtiyarpur

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

पथ का नाम

Const. of R.C.C Bridge HL Bridge in Dhangarhi to Chiraiya

पुल की लंबाई

一 150 申。

बाढ़ से क्षतिग्रस्त भाग :- 70 मी०

प्राक्कलित राशि

22225278.00

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 के Divserson, 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 22225278.00 है।

्रप्रस्तुत 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 ।

कनीय अभियंता. ग्रामीण कार्य विभाग. कार्य प्रमंडल, सिमरी बख्तियारपूर।

सहायक अभियंता. ग्रामीण कार्य विभाग.

कार्य प्रमंडल, सिमरी बख्तियारपुर।

ग्रामीण कार्य विभाग. कार्य प्रमंडल, सिमरी बख्तियारप्र।

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMATE FOR TEMPRORY

NAME OF ROAD:- RESTORATION OF ROAD FROM CONST. OF RCC

HL BRIDGE IN DENGRAHI TO CHIRAIYAAT CH:-

7TH KM.

DIVISION: SIMRIBAKHTIYARPUR

BLOCK :- SALKHUA

Flood Affected Length of Road :- 0.070 Km

Sr. No.		_
O1. 140.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	1,793,437.10
2	Add:-Labour Cess @1% amt. =	17,934.37
3	Add:GST@18% on amt. =	322,818.68
4	Add:S.F.@ 10% on Material =	91,087.50
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	2,225,277.65

Say Ry 27,25,278=RD

15/11/2024

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

Assistant Engineer RWD (W) Division,SimriBakhtiyarpur 15111129

Executive Engineer RWD (W) Division,SimriBakhtiyarpur

Boursonally Technically couch on ed for Rp 22, 25, 278-00 (Rupees. Turty two lass twenty one Thousand two horses. Couly eight al,
Superintending Engineer

Superintending Engineer
R W.D. Works Circle
SAHARSA

Cost Estimate For Flood Restoration Work

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPRORY
RESTORATION OF ROAD FROM CONST. OF RCC HL
BRIDGE IN DENGRAHI TO CHIRAIYAAT CH:-7TH KM.

BLOCK :-

SALKHUA

DISTRICT :-

SAHARSA

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	S.No	SOR NO			DISTRICT :-		AllAnon
United State of the State of S		SORNO	DESRIPTION OF ITEMS	ОТУ	UNIT	RATE	AMOUNT
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. 133 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 Labour for fitting and fixing Split bamboo woven chachart in position with 20 swg G.l wire or 75 mm to 100 mm long nails alternatively including cost of G.l. wire or mails complete job as per specification and direction of E/I Labour for fitting and fixing 75 mm dia bamboo runners in position with 20 swg G.l wire or 75 mm to 100 mm long nails alternatively including cost of G.l. wire or mails complete job as per specification and 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 complete job as per specification and direction of E/I Supply of Bamboo at site. 140 Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails complete job as a per specification and direction of E/I Labour fitting empty cement bags with local sand, stitching the bags and placing including supply of stull and EC bag etc. all complete as per approved desing, specification and direction of E/I (michuding supply of sull and EC bag etc. all complete as per approved desing, specification and direction of E/I (michuding lamine direction of E/I (michuding carriage of the other 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 (michuding Carriage of the colast sand lead 0.5 km) 1979 401 Specification Clause 401. 1070 9,3 Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in single Row. 2000 mm 3669,12 0.000 mm 3669,12 0.000 mm 3669,12 0.000 mm 3669,12 0.000 mm 3669,1			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		Cum	580.07	0.00
required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge. 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 Labour for fitting and fixing Split bamboo woven chachart in position with 20 swg G, liwire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete to bo as per specification and direction of E/I Labour for fitting and fixing 75 mm dia bamboo runners in position of E/I Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails complete iob as per specification and 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 complete iob as ner specification and direction of E/I Labour for fitting and fixing 25 mm dia bamboo runners in position at every vertical pole with 150 mm long nails complete iob as ner specification and direction of E/I 5.7.40.1 Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sutting and Exagency volume of filled bag 0.07m3, weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved rylon 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) Construction of granular sub-base by providing well graded material, spreading in uniform layers with brack 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. Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Selpinorage Fees Add @1% Lebour Cess							
per specification and direction of E/I Labour for fitting and fixing Split bamboo woven chachar 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 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 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 io bas ner specification and direction of E/I Supply of Bamboo at site. Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sufficient 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 complete as per specifications and direction of E/I (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 totavotra of MC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Seignlorage Fees Add @1% & GST Add @1% Lebour Cess			required slope and compacted at OMC to acheive required density with all complete as per the direction		Cum	2049.64	1793437.10
4/4 5.7.8 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I Labour for fitting and fixing 75 mm dia bamboo runners in position with garding ost of G.I. wire or nails complete job as per specification and 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 commolete job as per specification of E/I Supply of Bamboo at site. 0.00 nos. 168.68 0.00 Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sutil and EC bag etc. all complete as per approved desing, 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 complete as per specifications and direction of E/I (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 Clause 401. Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Seignlorage Fees Seign	3/3	5.7.7	per specification and direction of E/I	0.00	m	53.18	0.00
S.7.9 In position at every vertical pole with 150 mm long nails or 38 swg G1. wire including cost of G.I wire or nails complete iob as per specification and direction of E/I 0.00 nos. 168.68 0.00	4/4	5.7.8	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
Supply of Bamboo at site. Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sutil and EC bag etc. all complete as per approved desing, 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 complete as per specifications and direction of E/I (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, mking 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. Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Seignlorage Fees Add @18% GST Add @18% GST Add @18 Lebour Cess		5.7.9	or 38 swg G.I. wire including cost of G.I wire or nails complete iob as per specification and direction of F/I	0.00	m	6.12	0.00
Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutil and EC bag etc. all complete as per approved desing, 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 complete as per specifications and direction of E/I (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 Clause 401. Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Seigniorage Fees Add @18% GST Add @18% Lebour Cess	6/6		Supply of Bamboo at site.	0.00	nos,	168.68	0.00
8/8 5.7.40.2 Im(1) pe 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 complete as per specifications and direction of E/I (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 Clause 401. Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Seignlorage Fees Add @18% GST Add @18% GST Add @1% Lebour Cess	7/7	5.7.40.1	and EC bag etc. all complete as per approved design	0.00			
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. 10/10 9.3 Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Seignlorage Fees Add @18% GST Add @18% GST Add @1% Lebour Cess O.00 Cum 2352.09 0.00 0.00 m 3669.12 0.00	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 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	0.00	Each	188.27	0.00
NP3 as per design in Single Row. 0.00 m 3669.12 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
Add @18% GST 91087.50 Add @1% Lebour Cess 322818.66	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
Add @1% Lebour Cess 91087.50						Say	1793/27 10
322818.6							91087.10
			Aud (@1% Lebour Cess				322818.68
17934.37							17934.37
Say 2225277.6						Sau	2225277.65 2225277.65

			MISSISSIPPLE CONTRACTOR OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS	Measureme				
	Detail of Works		पैगाईस Measurement					
			Length	Width	Width	Height	Helebt	Quantity
NAME OF R	OAD :- DETAILED	ESTIMATE	in m.	In m.	- widen	In m.	Height	
Item No. 1	I, to strain in and laving of De	al b a b a b		ORAIN TO CE	HRAIVAAI	In m. ROAD FROM (CH:-7TH KM.		RCCHL
		MC to acheive n	equired density	th machenical mea with all complete a	ans with all spr s per the direc	reading, grading to tion of engineer in	required charge.	
	CH:-in 7.000 Km.	MC to acheive n	equired density	th machenical mea with all complete a (5.5+4.5)/2	ans with all spr s per the direct	reading, grading to stion of engineer in (2.5+3.0+2.0)/3	required charge.	875.000

15/11/2029

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

Executive Engineer
RWD (W) Division,SimnBakhtiyarpur