

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 :- BANMA ITAHARI

DIVISION :- SIMRIBAKHTIYARPUR

DETAILED ESTIMATE FOR TEMPRORY RESTORATION OF ROAD FROM LAKSHMINIYA MUSHARI TO PMGSY ROAD MALI BISHANPUR

Flood affected Length of Road	:-	0.035 Km
TOTAL COST OF PAVEMENT	:-	Rs. 1,158,568.56
TOTAL PROJECT COST	:-	Rs. 1,158,568.56
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Submitted By: Executive Engineer RWD (W) Division, SimriBakhtiyarpur Prepared By:
Executive Engineer
RWD (W) Division, SimriBakhtiyarpur

पथ का नाम

Lakshmina Mushari to PMGSY Road Mali Bishanpur

पथ की लंबाई

:- 1.25 कि о भी о

बाढ़ से क्षतिग्रस्त भाग :- 35 मी०

प्राक्कलित राशि

≔ 1158568.00

कार्य प्रमंडल

-- सिमरी बख्तियारपुर

कार्य अंचल

:- सहरसा

योजना शीर्ष

:- FDR

योजना वर्ष

:- 2024 - 25

प्रस्तुत प्राक्कलन कार्य प्रमंडल, सिमरी बख्तियारपुर अंतर्गत बनमा ईटहरी 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। पथ में चैनेज-0.00 KM, 0.150 KM 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. 1158568.00 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 ।

कनीय अभियंता. 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

NAME OF ROAD :- RESTORATION OF ROAD FROM LAKSHMINIYA

MUSHARI TO PMGSY ROAD MALI BISHANPUR.

DIVISION: SIMRIBAKHTIYARPUR

BLOCK:- BANMA ITAHARI

Flood Affected Length of Road :- 0.035 Km

Sr. No.	Description	Amount (In Rs.)
1	1 Total Cost of Restoration=	
2	Add:-Labour Cess @1% amt. =	9,337.35
3	Add:GST@18% on amt. =	168,072.32
4	Add:S.F.@ 10% on Material =	47,423.80
L-	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,158,568.56

Say \$ 11,58, 568=00

15/11/2029

Junior Engineer RWD (W) Division,SimriBakhtiyarpur Assistant Engin

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

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Superintending Engineer
R W.D. Works Circle

Cost Estimate For Flood Restoration Work

DETAILED ESTIMATE FOR TEMPRORY

NAME OF ROAD :- RESTORATION OF ROAD FROM LAKSHMINIYA

MUSHARI TO PMGSY ROAD MALI BISHANPUR.

BLOCK :-

BANMA ITAHAR

DISTRICT :-

SAHARSA

Construction of embankment with approved material obtained from borrow plas with lift upto 1.5 m. construction of embankment with approved material obtained from borrow plas with lift upto 1.5 m. construction of carbon providing and solution of the compacting to meet requirement of Tables 30.0 t. and 300.2 with a lead upto 1000 m as per Technical Specification Clause 201.5 272 A/R Providing a flaying 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. 373 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 474 5.7.8 Labour for fitting and fixing 75 mm dia bamboo voven chachari in position with 20 swg G1 lwire or 75 mm to 100 mm long nails alternatively including cost of 61. wire or realis complete job as per specification and direction of E/I 575 5.7.9 Labour for fitting and fixing 75 mm dia bamboo runers in position at every vertical pole with 150 mm long nails or 38 swg G1. wire including cost of G1. wire or nails complete job as per specification and direction of E/I 777 5.7.40.1 Labour filling and fixing 75 mm dia bamboo runers in position at every vertical pole with 150 mm long nails or 38 swg G1. wire including cost of G1. wire or nails complete job as per specification and direction of E/I 878 5.7.40.2 Exployed Samboo at site. 88 5.7.40.2 Providing.laying and filling empty cement bags with local sand, stitching the bags and placing including supply of sull and EC bag etc. all complete as per approved design, specification and direction of E/I 870 Froviding.laying and filling Geo bags of size fm X 0.7 m(Type A 300 GSM normovern) weight of bags 420g volume of filled bag 0.07m 3. weight of filled Geo bags 128 Kg with local sand including stitching in four lines by approved myton thread with stitching machine and generator stacking and placin	S.No	SOR NO	DESRIPTION OF ITEMS	QTY	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. Labour for citting 82mm 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 chacharf in position with 20 swg Gl wire or 75 mm to 100 mm long alias alternatively including cost of Gl. 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 of experiments of the providing cost of Gl. 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 Gl. wire including cost of Gl. wire or nails complete job as per specification and direction of E/I Supply of Bamboo at site. 0.00 mm 6.12 0.00 0.00 m 6.12 0.00 168.68 0.00 177 5.7.40.1 Constitution of E/I 1 1.00 constitution of E/I 1.00 constitution o			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
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. 373 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 474 5.7.8 Labour for fitting and fixing Split bamboo woven chacharin in position with 20 swg GJ wire or 75 mm to 100 mm long and salternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I 475 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 GJ. I.wire including cost of G.I. wire or nails complete job as per specification and direction of E/I 476 5.7.40.1 Labour for fitting and fixing 75 mm dia bamboo runners in 20,000 mm 6.12 0.00 mm 6.12 0.00 477 5.7.40.1 Labour for fitting and fixing 75 mm dia bamboo runners in 20,000 mm 6.12 0.00 mm 6.12 0.00 488 5.7.40.2 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 microproved desing 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) 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 rotavotor at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification of E/I (including and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. 401 Septimental Spreading in Single Row. 502 Septiment	2/2	A/R	Providing & laying Brick Bat				
5.7.7 size and making shoes and driving etc. complete job as per specification and direction of E/I		٠	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	455.56	Cum	2049.64	933735.09
1	3/3	5.7.7	size and making shoes and driving etc. complete job as	0.00	m	53.18	0.00
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 iob as per specification and direction of E/I Supply of Bamboo at site. 7/7 5.7.40.1 Supply of Bamboo at site. 1. Labour filling empty cement bags with local 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 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. 10/10 9.3 Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Say 933735.09 Seigniorage Fees Add @18% GST Add @18% GST 1158568.56	4/4	5.7.8	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	0.00	sqm	96.06	0.00
Supply of Bamboo at site. Supply of Bamboo at site. 0.00 nos. 168.68 0.00	5/5	5.7.9	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	0.00	m	6.12	0.00
7/7 5.7,40.1 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 0.00 nos. 37.43 0.00 8/8 5.7,40.2 Providing, Jaying 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) 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 10/10 9.3 Seigniorage Fees 47423.80 47423.80 47423.80 Add @1% Lebour Cess 9337.35 1158568.56	6/6			0.00	nos.	168.68	0.00
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. Say 933735.09 Seigniorage Fees Add @18% GST 168072.32 Add @1% Lebour Cess 1158568.56	7/7	5.7.40.1	stitching the bags and placing including supply of sutil and EC bag etc. all complete as per approved desing,	0.00	nos.	37.43	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. Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row. Say 933735.09 Seigniorage Fees Add @18% GST Add @1% Lebour Cess Graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, 0.00 Cum 2352.09 0.00 m 3669.12 0.00 Say 933735.09 168072.32 9337.35	8/8	5.7.40.2	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
10/10 9.3 Providing and Laying Reinforced Cement Concrete Pipe 0.00 m 3669.12 0.00	9/9	401	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.		Cum	2352.09	0.00
Seigniorage Fees 47423.80 Add @18% GST 168072.32 Add @1% Lebour Cess 9337.35 1158568.56	10/10	9.3	Providing and Laying Reinforced Cement Concrete Pipe	0.00	m	3669.12	0.00
Add @18% GST 168072.32 Add @1% Lebour Cess 9337.35 1158568.56						Say	
Add @1% Lebour Cess 9337.35 1158568.56							
1158568.56							
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			De	etails o	f Measuren	nent			
				पैमाईस Measurement					
Detail of Works		No.	Length	Width	Width	Height	Height	Quantity.	
o il consecut				in m.	In m.	· · · · · ·	in m.		
Item No. 1	Provid	ing and laying of Brid and compacted at O	k bat obtained for	om chimne	y with machenical r	means with	LI BISHANPUR. all spreading, grading to e direction of engineer in	required charge.	
CH:-in 0.000 Km.		1	18.00	{(6+5.5+5)/3+(1 0+13+9.5)/3}/2	8.17	(1.2+2.0+3.5)/3	2.23	328.300	
			1	10.60	(5.0+5.5)/2	5.25	((1+2)/2+(2.5+2)/2+(2. 5+2)/2)/3	2.00	111.300
	CH:-ir	ı 0.150 Km.	1	10.60 6.00	(5.0+5.5)/2	5.25 1.90		2.00 1.40	111.300 15.960

Hanvarja 15/11/2029

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

Executive Engineer RWD (W) Division,SimriBakhtiyarpur