

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 :- SONBARSA

DIVISION :- SIMRIBAKHTIYARPUR

DETAILED ESTIMATE FOR TEMPRORY RESTORATION OF ROAD FROM AMOJA TO DURGAPUR.

Flood affected Length of Road	:-	0.297 Km 0.0525 ICM
TOTAL COST OF PAVEMENT	:-	Rs. 1,593,444.61
TOTAL PROJECT COST	:-	Rs. 1,593,444.61

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

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

पुल का नाम

Amoja -Durgapur (BR29R-170)at Ch-7th Km

पुल की लंबाई

बाढ़ से क्षतिग्रस्त भाग :- 297(Approach Road) #0 5'2.5 मीर

प्राक्कलित राशि

-1593445.00

कार्य प्रमंडल

:- सिमरी बख्तियारपुर

कार्य अंचल

:- सहरसा

योजना शीर्ष

:- FDR

योजना वर्ष

:- 2024 - 25

प्रस्तुत प्राक्कलन कार्य प्रमंडल, सिमरी बख्तियारपुर अंतर्गत सोनवर्षा प्रखंड में 2024–25 में आई भीषण बाढ़ से क्षतिग्रस्त पथ में मरम्मित मद से यातायात चालू करने हेतु अस्थायी पुनर्खापन 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 1593445.00है।

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

RESTORATION OF ROAD FROM AMOJA TO NAME OF ROAD :-

DURGAPUR.

SIMRIBAKHTIYARPUR DIVISION:-

SONBARSA BLOCK :-

Flood Affected Length of Road :- 0.297 Km 0.525 KM

		Amount (In Rs.)
Sr. No.	Description	1,286,822.44
1	Total Cost of Restoration=	12,868.22
2	Add:-Labour Cess @1% amt. =	231,628.04
3	Add:GST@18% on amt. ≃	62,125.91
4	Add:S.F.@ 10% on Material =	1,593,444.61
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	ay lb 15.93 445

Lay 14 15,93, 445=0

RWD (W) Division, SimriBakhtiyarpur

Assistant Engineer RWD (W) Division, Simri Bakhtiyarpur

Executive Engineer RWD (W) Division, Simri Bakhtiyarpur

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Cost Estimate For Flood Restoration Work

DETAILED ESTIMATE FOR TEMPRORY

NAME OF ROAD :- RESTORATION OF ROAD FROM AMOJA TO DURGAPUR.

BLOCK :-

SONBARSA

DISTRICT :-

SAHARSA

S.No	SOR NO	DESRIPTION 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 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.	588.59	Cum	2049.64	1206393.90
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	150.00	m	53.18	7977.05
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.l. wire including cost of G.l wire or nails complete job as per specification and direction of E/I	75.00	m	6.12	458.75
6/6		Supply of Bamboo at site.	38.00	nos.	168.68	6409.72
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	1752.00	nos.	37.43	65583.02
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 (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	1286822.44
		Seignlorage Fees	-			62125.91 231628.04
		Add @18% GST				12868.22
		Add @1% Lebour Cess				1593444.61
	-				Say	1593444.61
					CM	

\$11129 EE

				Details	of Measuren	nent			
				रेगार्स					
			No.	Length	Width(Avg)	Width	Height(Avg)	Height	Quantity
Detail of Works			All District States on the	In m.		In m.			
				MATE FOR			ION OF ROAD FRO		A 10
AME OF RO	AD:-		hat obtains	d from chimi		745	all spreading, grading to direction of engineer in	required	
em No. 1	Providing slope and	and laying of Brick compacted at OM	to acheiv	e required de	ensity with all complet	te as per the	direction of engineer in	charge.	
			1	27.50	(2.0+3.5+1.5)/3	2.33	(3.0+5.0+3.5+2.0)/4	3.38	216.563
	In East S	Side		13.50	(0.7+1.2+1.0)/3	0.97	(2.0+3.0+1.5)/3	2.17	28.275
			1	25.00	(1.5+2.5+1.)/2	2.50	(3.0+4.0+2.5+1.5)/4	2.75	343.750
	In West		2		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Total	(in Cum)		588.588
			E mm dia	hamboo niles	to size and making s	shoes and dr	iving etc. complete job	as per	
tem No. 2	Labour fo	or cutting 62mm to	5 mm dia	Dalliboo piics	10 0120 2112 1112111			6	150.000
specification and direction of In East Side			1 1	25					150,000
	in East	Side	<u> </u>						
	D	mboo pilling 1 25m	1			Total (in n	1)	long nails	
	For B	amboo pilling 1.25m	Split bambo	o woven cha	chari in position with	20 swa G.I w	ire or 75 mm to 100 mm	long nails	
tem No. 3	For Baltabour f	amboo pilling 1.25m	Split bambo	oo woven cha or nails comp	chari in position with : lete job as per specifi	20 swa G.I w	ire or 75 mm to 100 mm	long nails	
tem No. 3	For Baltabour f	amboo pilling 1.25m	Split bambo of G.I. wire	oo woven cha or nails comp		20 swa G.I w	ire or 75 mm to 100 mm	long nails	0.00
tem No. 3	For Baltabour f	amboo pilling 1.25m	I G.I. WILE	oo woven cha or nails comp	chari in position with lete job as per specifi	20 swg G.I w ication and d	ire or 75 mm to 100 mm irection of E/I	long nails	0.00
tem No. 3	alternati	amboo pilling 1.25m or fitting and fixing S vely including cost o Size 6m*2m,	1 1	0	2.74	20 swg G.I w ication and d Total (in so	ire or 75 mm to 100 mm irection of E/I m)		
tem No. 3	altemati	amboo pilling 1.25m or fitting and fixing S yely including cost of Size 6m*2m,	1	0	2.74	20 swg G.I w ication and d Total (in sq	ire or 75 mm to 100 mm irection of E/I 		0.00
tem No. 3	altemati	amboo pilling 1.25m or fitting and fixing S yely including cost of Size 6m*2m,	1	0	2.74	20 swg G.I w ication and d Total (in sq	ire or 75 mm to 100 mm irection of E/I 		0.00
	altemati	amboo pilling 1.25m or fitting and fixing S yely including cost of Size 6m*2m,	1	0	2.74	20 swg G.I w ication and d Total (in sq	ire or 75 mm to 100 mm irection of E/I 	ils or 38	0.00
item No. 4	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S yely including cost of Size 6m*2m,	1 75 mm dia of G.I wire	0 bamboo run	2.74	20 swg G.I w ication and d Total (in so tal (in m) ery vertical po fication and o	ire or 75 mm to 100 mm irection of E/I m) 		0.00
item No. 4	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S yely including cost of Size 6m*2m,	1	0	2.74	20 swg G.I w ication and d Total (in sq	ire or 75 mm to 100 mm irection of E/I m) 	ils or 38	0.00 0.00 75.00
item No. 4 CH:-in 0.20	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S vely including cost o Size 6m*2m, for fitting and fixing , wire including cost	1 75 mm dia of G.I wire	0 bamboo run	2.74	20 swg G.I w ication and d Total (in so ial (in m) ery vertical po fication and o Total (in r	ire or 75 mm to 100 mm irection of E/I	ils or 38	0.00 0.00 75.00
item No. 4	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S yely including cost of Size 6m*2m,	1 75 mm dia of G.I wire	0 bamboo run	2.74	20 swg G.I wication and d Total (in squal (in m) any vertical position and d Total (in r Total (in r	ire or 75 mm to 100 mm irection of E/I	ils or 38	75.00 75.00
tem No. 4 CH:-in 0.20	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S vely including cost o Size 6m*2m, for fitting and fixing , wire including cost	1 75 mm dia of G.I wire	0 bamboo run	2.74	20 swg G.I w ication and d Total (in so ial (in m) ery vertical po fication and o Total (in r	ire or 75 mm to 100 mm irection of E/I	ils or 38	75.00 75.00 225.00
tem No. 4 CH:-in 0.20	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S vely including cost of Size 6m*2m, for fitting and fixing , wire including cost of Bamboo at site.	75 mm dia of G.I wire	bamboo run or nails com	2.74 Tot ners in position at eve plete job as per specif	20 swg G.l w ication and d Total (in so ial (in m) ery vertical po fication and c Total (in r Total (in r	ire or 75 mm to 100 mm irection of E/I	ils or 38	75.00 75.00 75.00 225.00 37.50
tem No. 4 CH:-in 0.20 Item No. 5	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S vely including cost of Size 6m*2m, for fitting and fixing , wire including cost of Bamboo at site.	75 mm dia of G.I wire	0 bamboo run or nails com	2.74 Tot ners in position at every plete job as per specification at the stricture of the	20 swg G.I w ication and d Total (in sq ial (in m) ery vertical pt fication and c Total (in r Total (in r Total (in n d placing incl	ire or 75 mm to 100 mm irection of E/I	ils or 38	75.00 75.00 75.00 225.00 37.50
tem No. 4 CH:-in 0.20	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S vely including cost of Size 6m*2m, for fitting and fixing , wire including cost of Bamboo at site.	75 mm dia of G.I wire	0 bamboo run or nails com	2.74 Tot ners in position at every plete job as per specification at the stricture of the	20 swg G.I w ication and d Total (in sq ial (in m) ery vertical pt fication and c Total (in r Total (in r Total (in n d placing incl	ire or 75 mm to 100 mm irection of E/I	ils or 38	75.00 75.00 75.00 225.00 37.50 38.00
tem No. 4 CH:-in 0.20 Item No. 5	Labour swg G.I	amboo pilling 1.25m or fitting and fixing S vely including cost of Size 6m*2m, for fitting and fixing , wire including cost of Bamboo at site.	75 mm dia of G.I wire	bamboo run or nails com 25 loocal sand, sing, specifica	2.74 Tot ners in position at eve plete job as per specification and stitching the bags and titon and direction of E	20 swg G.I wication and d Total (in squal (in m) Total (in m) Total (in r Total (in r Total (in r Total (in r	ire or 75 mm to 100 mm irection of E/I	ils or 38	75.00 75.00 75.00 225.00 37.50 38.00
CH:-in 0.20	Labour swg G.I. O Km. Supply Labour etc. all	amboo pilling 1.25m or fitting and fixing S vely including cost of Size 6m*2m, for fitting and fixing , wire including cost of Bamboo at site. If filling empty cement of complete as per ap	75 mm dia of G.I wire	0 bamboo run or nails com	2.74 Tot eners in position at every plete job as per specification and direction of E (1.0+1.2)/2	Total (in rotal (in notal	ire or 75 mm to 100 mm irection of E/I	ils or 38 3 EC bag	75.00 75.00 75.00 225.00 37.50 38.00
Item No. 4 CH:-in 0.20 Item No. 5	Labour swg G.I. O Km. Supply Labour etc. all	amboo pilling 1.25m or fitting and fixing S vely including cost of Size 6m*2m, for fitting and fixing , wire including cost of Bamboo at site.	75 mm dia of G.I wire 1	bamboo run or nails com 25 loocal sand, sing, specifica	2.74 Tot eners in position at every plete job as per specification and direction of E (1.0+1.2)/2	20 swg G.I wication and d Total (in squal (in m) Total (in m) Total (in r Total (in r Total (in r Total (in r	ire or 75 mm to 100 mm irection of E/I	ils or 38 3 EC bag	75.00 75.00 75.00 225.00 37.50 38.00

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

Executive Engineer
RWD (W) Division,SimriBakhtiyarpur