

ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.

YEAR (2021-22)

STATE DICTRICT BLOCK DIVISION

BIHAR SUPAUL CHHATAPUR TRIVENIGANJ

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BARI MASZID JHAKARGADH TO PURAB MAHADALIT TOLA VIA CHOHAN, SAH, MANSURI, MAHADALIT TOLA

A at 17		
Actual Length of Road	=	2.000 Km
Flood affected Language		- TOO TEME
Flood affected Length of Road	=	0.290 Km
TOTAL COST OF PAVEMENT		
TO THE COST OF PAVEMENT	Rs	1,529,394
TOTAL PROJECT COCK		75 25 765 1
TOTAL PROJECT COST	Rs	1,529,394

Submitted By: Executive Engineer

Prepared By: Executive Engineer

		A STATE OF THE STA	Details of Road & Bridge		Damas	o Po	storati		7
ilNo	Division	Block	Road/Bridge Name	Length (In Km)	Damag Part Length During	A AI	\ \	FDR Fi Year	n
1	Triveniganj	Chhatapur	Chunni world bank to choudhary tola(sahpur), girdharpatti hat via mirrapatti.	9.3	0.72		15.96	2021-	22
2		Chhatapur	Mahdipur Bazar to Chatapur (Boader)	1	0.52		5.1	2021-	22
3	Triveniganj	Chhatapur	Rajeshwari OP to Tamua	5.1	0.69	,	15.71	2021	-22
4	Triveniganj	Chhatapur	L053-T01 To Narahiya (VR8)	2.6	0.3	5	18.07	2021	-22
5	Triveniganj	Chhatapur	Harihar Path to Sohta Kachni Road with five years maintenance	12	0.7	,	5.6	2021	-22
6	Triveniganj	Chhatapur	bus stand to Bhatta Bari Road with five years maintenance.	3.2	0.3	7	18	202	1-22
7	Triveniganj	Chhatapur	 Construction of road from ChhatapurAnant Chowkto Bhatta Bari Road witfive years maintenance. 	1.5	0.3	34	30	202	1-22
8	Triveniganj	Chhatapur	2.Construction of road from Raghunathpurto Faisya Kothi Road with five years maintenance.	9.4	0.7	59	46.12	202	21-22
9	Trivenigan	j Chhatapur	1.Construction of road from Chunni to Charney world Bank road with filve year maintenance 2. Construction of road from Chhatapur	6.3	3 1	.6	2.66	20	21-22
10	Trivenigan	j Chhatapur	Laxmipur to kunti road with five year maintenance		8 0	.42	18.15	5 20	021-22
11	Trivenigan	j Chhatapur		/e 2.	2.1 0.45		28	2	021-22
12	Trivenigan	nj Chhatapur	Near House of Bishwanath Thakur TO Brahaman Tola, Pratapganj Pariyahi Roa Middle MMGSY[SC]hool Lalganj	ad	2	0.45	15.6	52 2	2021-22
13	Trivenigar	nj Chhatapur	State Highway Se Ramjanki Chowk Midd School Chapin to Aarriya Sima Birpur Pa Via Ayub 72 RD Subki mandal tola midd school thuthi	ath dle	3.2	0.45	28.	05	2021-22
14	Trivenigai	nj Chhatapu	Pariyahi Pradhanmantri Sadak Se Pachim Ranipatti Nahar Ke Daya Bank to Udakishunganj SHW Nahar Pul Tak		5	1.22	12	.28	2021-2
15	Triveniga	nj Chhatapu	Bari Maszid Jhakhargadh TO Purab Mahadalit Tola Via Chohan, Sah, Mansuri, Mahadalit Tola		2 0.2		25 11.81		2021-
16	Triveniga		Jewacchpur Naya Bazar to Madhuba	nni			0.41 45		2021-
17	Triveniga	anj Chhatapu	31 No Road to Darhariya Sima PMGS Pariyadhar	Y via	3.5	1.2	2 2	20.67	2021

जाँच प्रतिवेदन

16

हता प्रमुख ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक—1890 दिसांक—22.04.2022 हारा उत्पीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंघल, मधेपुरा की अध्यक्षता में गठित चार सदस्यीय कमिटी हारा प्रकृत विवेणीगंज के अंतर्गत वर्ष 2021—22 में बाड/अतिवृष्टि से क्षतियस्त पथ्यों के मोटरेबुल कार्य के कृत कार्य मदों की मात्रा का स्थलीय जींच संबंधित सहायक अभियंता एवं कनीय अभियंता के साथ पत्रा गया जो निम्न हैं :--

e of Road :- BADI MASZID JIIAKHARGADH TO PURAB MAHADALIT TOLA VIA CHOHAN SAH MANSURI MA

sion Name :- Rural Works Department, Works Division, Triveniganj

c. Chhatapur

St. No.	Hous of Works	Nus.	L	B	D D	Quantity
			(m)	(m)	(m) IN (Av.)	(m3)
-	вамвоо					
1	PILLING					
		1	26.50	3.00	4.00	318.00
		1	8.00	2.00	4.00	64.00
		1	19.50	3.00	4.00	234.00
		1	14.00	2.00	4.00	112.00
			To	otal Qty =		728.00
	Supplying of					720.00
2	EC bag,				1	
		1	20.00	2.00	1.50	60.00
		1	20.00	2.00	1.00	40.00
		1	32.76	2.00	0.63	41.58
					TOTAL=	141.58
		141.	58/.034			4165.00
				NO OF	BAGS/100=	4165
3	Geo bags					
		2	75	2	0.9	135
					135/0.076	1777
					TOTAL=	1777
4	brick bats					
		3	25	2.5	0.6	112.5
		7	30	2.5	0.3	22.5
		2	30.00	2.2	0.30	49.50
		5	25.00	2.5	0.30	93.75
		2/	To	tal Otto	-	270.25

39.6

12.5

कार्यपालक अभियंता ग्रामीण कार्य विमाग कार्य प्रमंडल, सुपौल। कार्यपालक अभियंता ग्रामीण कार्य विभाग कार्य प्रमंडल, बीरपुर।

कार्यपालक अमियंता ग्रामीण कार्य विभाग कार्य प्रमंडल, त्रिवेणीगंज

Chr. 5.22

पालक अभियंता, ग्रामीण कार्य विमाग, कार्य प्रमंडल, त्रिवेणीगंज समिति के जाँच प्रतिवेदन के अनुसार POST FACTO M.B. एवं POST FACTO प्राक्कलन तैयार कराकर सक्षम कार को अग्रतर कार्रवाई हेतु शीघ्र भेजें।

अधीक्षण अभियंता सह अध्यक्ष जाँच समिति

4 /23/05/2 / H

ग्रामीण कार्य विभाग कार्य अंचल, मधेपुरा

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BARI MASZID JHAKARGADH TO PURAB MAHADALIT TOLA

NAME OF ROAD :-VIA CHOHAN , SAII, MANSURI , MAHADALIT TOLA

DIVISION :-TRIVENIGANJ

BLOCK :-**CHHATAPUR**

Actual Length of Road :-2.000 Km Flood Affected Length of Road :-0.290 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	761,456.52
3	BAMBOO PILE	33,389.66
4	BAMBOO SUPPLY	22,794.73
5	EC BAG	150,361.66
6	GEO BAG	305,797.86
7	GRANULAR SUB BASE	-
8	HUME PIPE	ī
	Total Cost =	1,273,800.44
	Add:-Labour Cess @1% amt. =	12,738.00
	Add:GST@12% on amt. =	152,856.05
	Add:S.F.@ 10% on Material =	90,000.00
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,529,394

Junior Engineer RWD (W) Division, Triveniganj

RWD (W) Division, Triveniganj RWD (W) Division, Triveniganj

Executive Engineer

Vide letter 70 31/10-4 (70) Marce (05/11) 23-291/2019-4849 dt-07/12/2021

Technically Sometioned for Rg-15,29394.00/that is fifteen loke twenty nine thousand three hundred ninety four super only !

> **Aural Works Department** Works Circle Madher

				- Ctuli	3 01 101	easure	ment	******		
	का	र्य का इयौर	π	1		संख्या		पैगाईस		
Deatail of Work			No	लम्बाई	चौडाई	उँचाई				
						in m.	In m.	In m.	मात्रा	
		DET	AILED	ESTIMAE	FOD TEX	ADDADA			DAD FROM	
NAME OF	ROAD :-	MA	SZID JI	IAKARGA	DHTOB	UDABAR	RESTORAT	TION OF RO	DAD FROM I CHOHAN , S	BARI
						CITALD MILE	MADALII	IULA VIA	CHOHAN, S	SAH,
	Toand filling	in Found	latin T		MANS	JRI, MAI	IADALIT T	OLA		
Item No. 1	Sand ming	y in Found	lation Tre	nches as per	Drawing &	Technical S	Specification			
CHin .						1	0	5.500	0.60	0.000
Item No. 2	Providing	and laying	of Brick	bat obtained	from object					0.000
	grading to	required :	slope and	compacted a	t OMC to	ley with mad	chenical mean	s with all spre	ading.	0.000
	the direction	on of engi	neer in ch	arge	ONIC (O	acheive req	chenical mean uired density v	vith all comple	te as per	
CH:-in						3	25			
CH:-in				-		1	30	2.500	0.600	112.50
CH:-in						2	30	2.200	0.300	22.50
CH:-in						5	25	-	0.300	39.60
Item No. 3	It about for	cutting 6	2mm t= 7					2.500	0.300	93.75
item No. 3	job as per	specificat	ion and d	5 mm dia bar	nboo piles	to size and	making shoes	and driving o	ts somelete	396.000
CH:-in	<u> </u>		and C	mection of E/				and unving e	ic. Complete	268.350
CH:-in						3	26.5		4.00	318.000
CH:-in						2	8		4.00	64.000
CH:-in						3	19.5		4.00	234.000
		For	Bamboo	pilling 1.25m		2	14		4.00	112.000
Item No. 6	Supply of	Bamboo a	at site.	F9 1.25III				Total (in m)		728.000
								Total (in m)		
								Total (in nos.)	
Item No. 3	Labour fill	ing empty	cement I	bags with loor	al sand et	itohin - 41 .				121.00
	and EC Da	ig etc. all	complete	as per appro	ved desind	Specificati	pags and placi on and direction	ng including s	upply of sutli	
CH:-In						, specificati	on and direction	on of E/I	1	
CH:-in						1	20.00	2	1 450	
CH:-in						1	20.00	2	1.50	60.00
CH:-in						1	32.76	2	0.63	40.00
	(0.034m3	=1 no. of	EC Bags	1		-	Total	(in cum)	0.05	141.58
	,									4165.00
Item No. 4							Total	(in nos.)		4165.00
	Providing,	laying and	d filling G	eo bags of siz	ze 1m x n :	7 m/Typo A	300 GSM non			
	four tines	me of fille	d bag 0.0	7m3. weight	of filled Ge	o bags 126	300 GSM non Kg with local s	woven) weigh	t of bags	
								ging and placi	stitching in	
	and direct	ion of E/I	(including	ge with help of Carriage of	f trolley wit	thin 150m le	enerator stack ad all complet	le as per sper	ng aπer	
CH:-in			,	oamage of	Local sand	lead 0.5 km	1)	per spec	anounts	
						2	75	2.00	0.45	125.00
	(0.076m3=	1 no of	Goo Ba-						3.10	135.00
		. 110. 01	Seo Bag	5)						135.00
Item No. 5							Total	(in nos.)		1776.32
	1									1776.00
	layers with	on of grai	nular sub	-base by prov	riding well	graded mate	erial, spreading	a in unif		
	Imegriod M	TO FOTAVA	OF ALCON	10		repared sur	idce, mixing F	W miv in -l		
	desired de	ensity, cor	nolete ac	ner Tach-	acting with	smooth w	face, mixing the	Schieve the	1	
		7,00	p.oto as	per rechnica	i Specifica	Tion Clause	neel roller to a	terial)	1	1
					1	1 0			0.150	-
item No. 6	Providing	and Layin	g Reinfo	ced Cement	Concest	1			Total (Cum)	0.0000
		•	5	Junior Cerusil	Curicrete F	ripe NP3 as	per design in	Single Row(1000mm Dia	0.000
Item No. 6				Ch n norm		1			bia).	
				Ch.0.00km		2	0	2.5	Toolini Dia).	0.00

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Rural Jorks Department Work Division Trivenigani

Estimate of Flood affected Road

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BARI MASZID JHAKARGADH TO PURAB MAHADALIT TOLA VIA CHOHAN , SAH, MANSURI , MAHADALIT TOLA

BLOCK :-

CHHATAPUR

S.No	SOR NO	DESRIPTION OF ITEMS	OTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	0.00	Cum	549.11	0.00
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.	396 00	Cum	1922.87	761457
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	728.00	m	45 86	33390
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	78 20	0
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	#REF!	m	5.31	0
6		Supply of Bamboo at site	121.00	nos	188.39	22795
3	5.7.40.1	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	4165 00	nos.	36.10	150362
4		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)	1776 00	Each	172.18	305798
5	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.	0.000	Cum	3010.64	0
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4041.99	0
		Total			Rs.	1273800

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Executive Engineer
Rural Jorks Department
Work Division, Trivenigani

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BARI MASZID

NAME OF ROAD :- JHAKARGADH TO PURAB MAHADALIT TOLA VIA CHOHAN, SAH, MANSURI, MAHADALIT TOLA

BLOCK :- CHHATAPUR

12.3 A/R 5.7.40.1	DESRIPTION OF ITEMS Sand filling in Foundation Trenches as per Drawing & Technical Specification Sand 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. Brick Bats		Cum	116.85	AMOUNT 0.00
	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 of engineer in charge. Brick Bats	0.00	Cum	116.85	0.00
	with machenical means with all spreading, grading to required slope and compacted at OMC to acheive of engineer in charge. Brick Bats	0.00	Cum	116.85	0.00
5.7.40.1	with machenical means with all spreading, grading to required slope and compacted at OMC to acheive of engineer in charge. Brick Bats				0.00
5.7.40.1	required slope and compacted at OMC to acheive of engineer in charge. Brick Bats				-
5.7.40.1	of engineer in charge. Brick Bats				-
5.7.40.1	or engineer in charge. Brick Bats			1	
5.7.40.1	Drick Dals			1	
5.7.40.1	about FILE				
5.7.40.1	cased niling empty cement be	396.00	Cum	1000.00	
	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutil specification and the supplete as per appropriate to the supplementary of the supplementary in the supplementar	050.00	Cuin	1032.00	408672.00
	and EC bag etc. all complete as per approved desing. Sand			1	
	Sand			1	
	Providing laving	144.50			
	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 0.	141.58	Cum	116.85	16543.62
	volume of filled bag 0 07m3, weight of bags 420g 126 Kg with local sand including stitching in 6			}	
5.7.40.2	126 Kg with local sand including stitching in four lines by generator stacking as			1	
2,7.70.2	generator start inread with stitching masking in four lines by			1	
	and carriage with and placing after loading				
	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 by	135.00	Cum	116.85	15774.75
	graded material, spreading in uniform layers with tractor mixing by a significant control of the signi				
401					
	Idill Compacting with				
	desired density, complete as per Technical Specification				
	Clause 401.				
	For Grading II Material (with Coarse Sand Screening)	-			
	ome - Cum				
	Taking output = 300 cum				
	Coarse graded granular sub-base material as per Table 400.2				
	53 mm to 9.5mm @ 50 percent	180.00	Cum	516.42	02055.00
	9.5 mm to 2.36 mm @ 20 percent	72.00	Cum	411.33	92955.60
-	2.36 mm below @ 30 percent (coarse Sand Screening)	108.00			29615.76
	cost for 300 cum = a	-	Juli	185.94	20081.52
	rate psr Cum = (a)/300		Cum		142652.88
	000 0	0.00	-	475	475.51
	02R Gt-	0.00	Cum	475.51	0.00
	Salant	1	-	TOTAL	0.00
	Seigniorage Fees @10% of Basic Amount				440990.37 44099.04
_		2.36 mm below @ 30 percent (coarse Sand Screening) Cost for 300 cum = a Rate psr Cum = (a)/300 GSB Gr-II Seigniorage Fees @10% of Basic Amount	2.36 mm below @ 30 percent (coarse Sand Screening) 108.00 Cost for 300 cum = a Rate psr Cum = (a)/300 0.00 GSB Gr-II	2.36 mm below @ 30 percent (coarse Sand Screening) 108.00 Cum Cost for 300 cum = a Rate psr Cum = (a)/300 Cum GSB Gr-II	2.36 mm below @ 30 percent (coarse Sand Screening) 108.00 Cum 185.94 Cost for 300 cum = a Rate psr Cum = (a)/300 Cum GSB Gr-II 0.00 Cum 475.51

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Executive Engineer
Rural Forks Department
Work Division. Triveniganj