



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
DISTRICT
BLOCK
DIVISION

BIHAR
SUPAUL
CHHATAPUR
TRIVENIGANJ

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF
ROAD FROM CHHATAPUR LAXMIPUR SIMA SE TO
KHATBE TOLA MAHADALIT TOLA KHUTI**

Flood affected Length of Road	=	0.375 Km
TOTAL COST OF PAVEMENT	Rs	3,276,167
TOTAL PROJECT COST	Rs	3,276,167

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

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

23	Supaul	Triveniganj	Ranipatti WN 6 To Sada Tola	1.128	0.15	9.5	Chhatapur
24	Supaul	Triveniganj	Paswan Tola To pal tola	1	0.06	12	Chhatapur
26	Supaul	Triveniganj	Mohamadganj ward no 02 sima se bechan sah shambhu paswan tola to hote hue beriya sima tak	1.865	0.06	22	Chhatapur
27	Supaul	Triveniganj	Jadiya Balua Path SHW se purab swasthya up kendra P.o. se Purab to Madhopur panchyat sima tak via Chauhan, Mandal, Nauniya tola	1.99	0.3	12.5	Chhatapur
28	Supaul	Triveniganj	Madhopur kaji tola paschim kujrahi to SHW birpur Sukhai chowk tak	1.999	0.27	16	Chhatapur
29	Supaul	Triveniganj	Ambika mandal ke ghar ke nikat to Dipu paswan ke ghar kamat kisunganj sima	2.63	0.45	53	Chhatapur
30	Supaul	Triveniganj	Mahaddipur Bazar to Batrahi Muslim Tola	0.3	0.4	3.5	Chhatapur
31	Supaul	Triveniganj	H O Mano Mandal to Ram Tola	0.7	0.1	15	Chhatapur
32	Supaul	Triveniganj	Chhatapur laxmipur sima se to Khatbe tola Mahadalit tola khunti tak	3	0.05	45	Chhatapur
33	Supaul	Triveniganj	Bairia Pula अ॥, अ॥ Md Ganj Sima H O Ravin Thakur	0.9	0.085	45	Chhatapur
34	Supaul	Triveniganj	Brahaman Tola PMGSY Udhampur Bhagwatipur to Ram Tola	1	0.3	28	Chhatapur
35	Supaul	Triveniganj	HO Prakas Singh to Sah Tola	1.2	0.3	18.5	Chhatapur
36	Supaul	Triveniganj	Gulab Chand Mukhia House to Mullah Tola	1.8	0.25	16.5	Chhatapur
37	Supaul	Triveniganj	N H 57 Yadav Tola to Paswan Tola-2722	1	0.15	9.75	Chhatapur
38	Supaul	Triveniganj	Koriyapatti to Rajeshwari path	3	0.38	22	Chhatapur
39	Supaul	Triveniganj	Karwana Bechan Sah Ke Ghar To Dahariya Sima Tak	2.27	0.25	18	Chhatapur
40	Supaul	Triveniganj	Madhopur Ansari Tola Se Dakshin to SHW Amar Chowk via Mahadalit Tola Yadav Tola	1.05	0.3	58	Chhatapur
41	Supaul	Triveniganj	Rani Patti 49 RD to Digambar Jha Ke Ghar tak	2	0.215	18.5	Chhatapur
19	Supaul	Triveniganj	World Bank Road Barma Colony Hote Huye to Kishan Yadav Ke Ghar tak	1.53	0.2	22.5	Chhatapur
42	Supaul	Triveniganj	Yojna Sankhaya 1 Ram Chandra Ghar Se Purab Mahadalit Tola to Sahata Panchayat Sima Upendra Singh ke Ghar tak	2.2	0.2	29	Chhatapur
43	Supaul	Triveniganj	31 Nosadak Laxman Mehta Ke Ghar Hote Huye to Md. Ganj Hote Sima Sadak Tak	1.6	0.3	20	Chhatapur
44	Supaul	Triveniganj	Main Canal East to Paswan Tola	2.37	0.3	25	Chhatapur
45	Supaul	Triveniganj	NH 57 to Nuniya Tola	5.1	0.35	18.5	Chhatapur
46	Supaul	Triveniganj	House of Manilal Paswan Tola to Adibasi Tola	2.7	0.54	17.5	Chhatapur
47	Supaul	Triveniganj	Rajeshwari OP to Tamua	5.1	0.06	42.5	Chhatapur
48	Supaul	Triveniganj	Construction of Road from Koriyapatti, Rajeshwari Pakki sadak to the west of Gangapur Minar Canel 8.5 rd to 0 rd	2.75	0.2	48.86	Chhatapur

जॉच प्रतिवेदन

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अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक-1890 दिनांक-22.04.2022 द्वारा अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा की अध्यक्षता में गठित चार सदस्यीय कमिटी द्वारा कार्य प्रमंडल, त्रिवेणीगंज के अंतर्गत वर्ष 2021-22 में बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों के मोटरबुल कार्य के कृत कार्य मदों की मात्रा का स्थलीय जॉच संबंधित सहायक अभियंता एवं कनिष्ठ अभियंता के साथ मापी लिया गया जो निम्न है :-

ame of Road :- CHHATAPUR LAXMIPUR SIMA SE TO KHATBE TOLA MAHADLIT TOLA KHUTI T/

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

Block :- Chhatapur

Sl No.	Items of Work	Nos.	L (m)	B (m)	D (m) IN (Av.)	Quantity (m3)
1	EC BAGS	2	200	2	1.2	960
				960/0.034		28236
				NO EC BAGS		28236
2	BRICK BATS	3.0	25.0	6.0	0.6	270
		3.0	20.0	3.8	0.3	67.5
		2.0	30.0	5.5	0.6	198
		3.0	25.0	3.2	0.3	72.00
		4.0	25.0	3.2	0.5	144.00
		4.0	25.0	3.2	0.5	144.00
Total Qty. =						828.00

160.0

160.0

928.0

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23/5/22
7/6/24

AK
23/5/22
7/6/24

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कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, सुपौल।

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बीरपुर।

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, त्रिवेणीगंज

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, त्रिवेणीगंज समिति के जॉच प्रतिवेदन के अनुसार POST FACTO M.B. एवं POST FACTO प्राक्कलन तैयार कराकर सक्षम अधिकार को अग्रतर कार्रवाई हेतु शीघ्र भेजे।

अधीक्षण अभियंता सह अध्यक्ष जॉच समिति
ग्रामीण कार्य विभाग
कार्य अंचल, मधेपुरा

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM CHHATAPUR LAXMIPUR SIMA SE TO KHATBE
TOLA MAHADALIT TOLA KHUTI

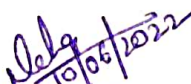
DIVISION :- TRIVENIGANJ

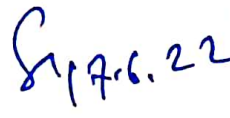
BLOCK :- CHHATAPUR

Flood Affected Length of Road :- 0.375 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	1,785,192.51
3	EC BAG	1,019,354.61
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	-
	Total Cost =	2,804,547.12
	Add:-Labour Cess @1% amt. =	28,045.47
	Add:GST@12% on amt. =	336,545.65
	Add:S.F.@ 10% on Material =	107,028.48
TOTAL RESTORATION COST OF THE PROJECT IN LACS		3,276,167

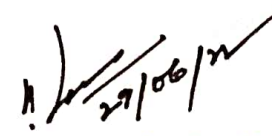

10/6/22
Junior Engineer
RWD (W) Division,Triveniganj


10/06/2022
Assistant Engineer
RWD (W) Division,Triveniganj


17.6.22
Executive Engineer
RWD (W) Division,Triveniganj

Vide Letter मुं० 37० 4 (मुं०) विविध (कार्य) 23-29/12/2019-4849
dt 07-12-2021

Technically sanctioned for Rs-3276167=00 (Rupees)
(Thirty two Lacke Seventy Six thousand One hundred Sixty Seven)


29/06/22
Superntending Engineer
Rural Works Department
Work Circle: Marher

Details of Measurement						
कार्य का ब्यौरा Deatail of Work		संख्या No	पैमाईरा			मात्रा Quantity
			लम्बाई in m.	चौड़ाई In m.	In m.	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR SIMA SE TO KHATBE TOLA MAHADALIT TOLA				
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification					
CH:-in		1	0	0.000	0.40	0.000
						0.000
Item No. 2	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.					
CH:-in		3	25	6.000	0.600	270.000
CH:-in		3	20	3.800	0.300	68.400
CH:-in		2	30	5.500	0.600	198.000
CH:-in		3	25	3.200	0.300	72.000
CH:-in		4	25	3.200	0.500	160.000
CH:-in		4	25	3.200	0.500	160.000
						928.400
			Total (in Cum)			928.400
Item No. 3	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					
CH:-in		2	200	2	1.2	960.00
			Total (in cum)			960.00
						28235.29
	(0.034m3=1 no. of EC Bags)					28236.00
			Total (in nos.)			28236.00
Item No. 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)					
CH:-in		2	0	1.20	0.6	0.00
						0.00
						0.00
	(0.076m3=1 no. of Geo Bags)					0.00
			Total (in nos.)			0.00
Item No. 5	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. (Gr-II Material)					
		1	0	3.75	0.150	0.0000
		1	0	3.75	0.150	0.0000
		2	0	3.75	0.150	0.0000
				Total (Cum)		0.000
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).					
Ch.		4	0	2.5		0.00
				Total (in m)		0.00

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Execu.
Rural Works Department
Work Division, Triveniganj

Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR SIMA SE
BLOCK :- TO KHATBE TOLA MAHADALIT TOLA KHUTI
 CHHATAPUR

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing & Technical Specification				
		Sand	0.00	Cum	116.85	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.				
		Brick Bats	928.40	Cum	1032.00	958108.80
3/7	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutll and EC bag etc. all complete as per approved desing, specification and direction of E/I				
		Sand	960.00	Cum	116.85	112176.00
4/8	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)				
		Sand	0.00	Cum	116.85	0.00
5/9	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.				
		For Grading II Material (with Coarse Sand Screening)				
		Unit = 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	92955.60
		9.5 mm to 2.36 mm @ 20 percent	72.00	Cum	411.33	29615.76
		2.36 mm below @ 30 percent (coarse Sand Screening)	108.00	Cum	185.94	20081.52
		Cost for 300 cum = a				142652.88
		Rate psr Cum = (a)/300		Cum		475.51
			0.00	Cum	475.51	0.00
						0.00
		GSB Gr-II				
					TOTAL	1070284.80
		Seigniorage Fees @10% of Basic Amount			Say	107028.48

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Executive Engineer
Rural Works Department
Muz Division, Tirunelveli

Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR SIMA SE TO KHATBE TOLA MAHADALIT TOLA BLOCK :- CHHATAPUR KHUTI

S.No	SOR NO	DESRPTION OF ITEMS	QTY	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.	928.40	Cum	1922.87	1785192.51
3	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	28236.00	nos.	36.10	1019354.61
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)	0.00	Each	172.18	0.00
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	0.00
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4041.99	0.00
		Total			Rs.	2804547.12

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11/6/22
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Executive Engineer
Rural Works Department
Work Division Trivenigani