



# 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 HOUSE OF YOJNA SANKHYA 1 RAM  
CHANDRA GHAR SE PURAB MAHADALIT TOLA TO**

Actual Length of Road	=	2.200 Km
Flood affected Length of Road	=	0.270 Km
TOTAL COST OF PAVEMENT	Rs	691,348
TOTAL PROJECT COST	Rs	691,348

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 upendra P.o. se Purab to Madhopur panchayat 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 kusunganj 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 to Md Ganj Sima H O Ravin Thakur	0.9	0.085	45	Chhatapur
34	Supaul	Triveniganj	Brahman Tola PMGSY Udampur 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 Huey to Kishan Yadav Ke Ghar tak	1.53	0.2	22.5	Chhatapur
42	Supaul	Triveniganj	Yojna Sankhya 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 Huey 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	48.85	Chhatapur



ना 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 समिती  
 1 के साथ मापी लिया गया जो निम्न है :-

of Road No. 01 RAMCHADRA KE GHAR SE PURAB MAHADLIT TOLA  
Rural Works Department, Works Division, Triveniganj

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

:- Chhatapur

Items of Work	Nos.	L	B	D	Quantity (m3)
1 LOCAL SAND					
				TOTAL=	
2 BRICK BATS.					
	3	30	3.75	0.3	101.25
	3	30	3.75	0.3	101.25
	3	30	3.75	0.3	101.25
				TOTAL=	303.75

31/5/22

~~Robert~~  
28/05/2022  
RGE

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, सपौल।

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, बीरपुर।

कार्यपालक अभियंता  
ग्रामीण कार्य विभाग  
कार्य प्रमंडल, त्रिवेणीगंज

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

11/23/05

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

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD  
FROM HOUSE OF YOJNA SANKHYA 1 RAM CHANDRA GHAR SE  
PURAB MAHADALIT TOLA TO SOHATA PANCHAYAT SIMA  
UPENDRA SINGH KE GHAR TAK

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 2.200 Km

Flood Affected Length of Road :- 0.270 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	584,071.76
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	-
	Total Cost =	584,071.76
	Add:-Labour Cess @1% amt. =	5,840.72
	Add:GST@12% on amt. =	70,088.61
	Add:S.F.@ 10% on Material =	31,347.00
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	691,348

*AK*  
15/6/2022

Junior Engineer  
RWD (W) Division, Triveniganj

*Dele*  
15/6/2022

Assistant Engineer  
RWD (W) Division, Triveniganj

*h, 17-6-22*

Executive Engineer  
RWD (W) Division, Triveniganj

Vide Letter मुं 37 मी -4 ( मुं ) विविध कार्य 23-291/2019-4849  
dt 07/12/2021

Technically sanctioned for Rs. 6,91,348.00/-  
(that is six lakh ninety ~~four~~ one thousand three hundred  
(fourty eight rupees only)

*h, 29/6/22*

Superintending Engineer  
Rural Works Department  
Morke Circle, Madhe



Details of Measurement							
कार्य का ब्यौरा Deatail of Work			संख्या No.	Measurement			मात्रा Quantity
				लम्बाई in m.	चौड़ाई In m.	In m.	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORRY RESTORATION OF ROAD FROM HOUSE OF YOJNA SANKHYA 1 RAM CHANDRA GHAR SE PURAB MAHADALIT TOLA TO SOHATA PANCHAYAT SIMA UPENDRA SINGH KE GHAR TAK					
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	30	3.750	0.300	101.250
CH:-in			3	30	3.750	0.300	101.250
CH:-in			3	30	3.750	0.300	101.250
CH:-in							303.750
Less For Pipe			0	22/7x(0.6)2x2.5		(-)	0.000
				Total (in Cum)			303.750
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			0	20	1.75	0.9	0.00
				Total (in cum)			0.00
(0.034m3=1 no. of EC Bags)							0.00
				Total (in nos.)			0.00
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	3.00	1.5	0.00
							0.00
(0.076m3=1 no. of Geo Bags)							0.00
				Total (in nos.)			0.00
Item No. 5	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.(Gr-II Material)						
			4	0	3.2	0.160	0.00
					Total (Cum)		0.00
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).						
Ch.0.00km			1	0	2.5		0.00
					Total (in m)		0.00

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6/17.6.22

Executive Engineer  
Rural Works Department  
Work Division, Triveniganj



## Calculation of Seigniorage Fees

**SANKHYA 1 RAM CHANDRA GHAR SE PURAB MAHADALIT TOLA TO SOHATA PANCHAYAT SIMA**  
**NAME OF ROAD :- UPENDRA SINGH KE GHAR TAK**  
**BLOCK :- 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	303.75	Cum	1032.00	313470.00
3/7	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				
		Sand	0.00	Cum	116.85	0.00
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 <sup>3</sup> . 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
		GSB Gr-II				0.00
					TOTAL	313470.00
		Seigniorage Fees @10% of Basic Amount			Say	31347.00

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**Executive Engineer  
Rural Works Department  
Work Division, Triveniganj**



# Estimate of Flood affected Road

NAME OF ROAD :-

HOUSE OF YOJNA SANKHYA 1 RAM CHANDRA GHAR SE PURAB  
MAHADALIT TOLA TO SOHATA PANCHAYAT SIMA UPENDRA SINGH

BLOCK :-

CHHATAPUR

S.No	SOR NO	DESCRIPTION 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 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.	303.75	Cum	1922.87	584071.76
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	0.00	nos.	36.10	0.00
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.	0.00	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.	584071.76

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Executive Engineer  
Rural Works Department  
Work Division, Triveniganj