



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 PRADHANMANTRI MATIYARI TO
BARAHMOTRA MUSHHRI TOLA.**

Flood affected Length of Road	=	250.000 Km
TOTAL COST OF PAVEMENT	Rs	2,783,160
TOTAL PROJECT COST	Rs	2,783,160

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

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

SINo	District	Division	Road Name	Length(In Km.)	Length of Damage Part Due to Flood	Tentative Restoration Amount(In Lac)	Block
1	Supaul	Triveniganj	Chunni world bank to choudhary tola(sahpur), girdharpatti hat via mirrapatti.	9.3	0.3	60	Chhatapur
2	Supaul	Triveniganj	Mahdipur Bazar to Chhatapur (Boader)	1	0.25	18	Chhatapur
3	Supaul	Triveniganj	L053-T01 To Narahiya (VR8)	2.585	0.35	19	Chhatapur
4	Supaul	Triveniganj	1. Construction of road from Lalji Chauk Harihar Path to Sohta Kachni Road with five years maintenance	11.97	0.3	44	Chhatapur
5	Supaul	Triveniganj	2. Construction of road from Chhatapur bus stand to Bhatta Bari Road with five years maintenance.	3.18	0.2	36	Chhatapur
6	Supaul	Triveniganj	3. Construction of road from Chhatapur Anant Chowk to Bhatta Bari Road with five years maintenance.	1.485	0.1	20	Chhatapur
7	Supaul	Triveniganj	2. Construction of road from Raghunathpur to Faisya Kothi Road with five years maintenance.	9.375	2.12	64	Chhatapur
8	Supaul	Triveniganj	1. Construction of road from Chunni to Charney world Bank road with five year maintenance	6.345	0.3	40	Chhatapur
9	Supaul	Triveniganj	2. Construction of road from Chhatapur Laxmipur to kunti road with five year maintenance	7.75	0.3	45	Chhatapur
10	Supaul	Triveniganj	3. Construction of road from Lalit gram Railway Station to Mahadev Patti with five year maintenance	2.055	0.4	34	Chhatapur
11	Supaul	Triveniganj	Near House of Bishwanath Thakur TO Brahman Tola, Pratapganj Pariyahi Road Middle MMGSY[SC]hool Laiganj	2	0.15	50	Chhatapur
12	Supaul	Triveniganj	State Highway Se Ramjanki Chowk Middle School Chapin to Aarriya Sima Birpur Path Via Ayub 72 RD Subki mandal tola middle school thuthi	8.165	0.4	34	Chhatapur
13	Supaul	Triveniganj	Pariyahi Pradhanmantri Sadak Se Paschim Ranipatti Nahar Ke Daya Bank to Udakishunganj SHW Nahar Pul Tak	5.035	0.15	75	Chhatapur
14	Supaul	Triveniganj	Bari Maszid Jhakargadh TO Purab Mahadalit Tola Via Chohan, Sah, Mansuri, Mahadalit Tola	2	0.2	15	Chhatapur
15	Supaul	Triveniganj	SHW From House of Chhutharu Sahni to NH57 Naaharpul Via Mehta Mahadalit Tola.	3.55	0.15	12	Chhatapur
16	Supaul	Triveniganj	Jewacchpur Naya Bazar to Madhubani Sima Tak via Sarswatipur.	3.175	0.33	23	Chhatapur
17	Supaul	Triveniganj	L033-T01 To Lachmipur (VR9)	4.421	0.2	70	Chhatapur
18	Supaul	Triveniganj	31 No Road to Darharia Sima PMGSY via Pariyadhar	3.54	0.15	40	Chhatapur
19	Supaul	Triveniganj	Madhopur Market to West North SHW Birpur Road via Uddhampur Sima	1.645	0.06	35	Chhatapur
20	Supaul	Triveniganj	SH Bus Stand Paschim Bakho Tola & Paswan Tola Hote Huye Genda Nadi Evam Mirchaiya Nadi Par Karte Huye Harripatti SH Tak	4.77	0.025	15	Chhatapur
21	Supaul	Triveniganj	East of SHW Kalam Dealer House to Anand Chowk	1.5	0.12	35	Chhatapur
22	Supaul	Triveniganj	Pradhanmantri Matiyani to Brahamotra Mushhari Tola	2.085	0.2	68	Chhatapur

259 186

Rock :- Chhatapur

1 AD

823.522

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, त्रिवेणीगंज

1. ~~1/2~~ 23/52

अधीक्षण अभियंता सह अध्याक्ष 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 PRADHANMANTRI MATIYARI TO
BARAHMOTRA MUSHHRI TOLA.

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Flood Affected Length of Road :- 250.000 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	-
3	EC BAG	1,515,221.56
4	GEO BAG	509,677.31
5	GRANULAR SUB BASE	-
6	HUME PIPE	-
		331,880.25
	Total Cost =	2,356,779.12
	Add:-Labour Cess @1% amt. =	23,567.79
	Add:GST@12% on amt. =	282,813.49
	Add:S.F.@ 10% on Material =	120,000.00
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	2,783,160

15/6/22

Junior Engineer
RWD (W) Division, Triveniganj

15/06/2022
Assistant Engineer
RWD (W) Division, Triveniganj
Chhatapur

17.6.22
Executive Engineer
RWD (W)
Division, Triveniganj

vide letter no 4 (प्र) विभाग (प्र) 23-291/2019-4849
dt- 07/12/2021
(Technically sanctioned for super - 27,83,160.00/-
that is twenty seven lakh eighty three thousand
and one hundred and sixty rupees only)

29/06/22
Superintending Engineer
Rural Works Department

Details of Measurement									
कार्य का ब्यौरा Deatall of Work		संख्या No	दिमाईस					मात्रा Quantity	
			लम्बाई in m		चौड़ाई In m		ऊँचाई In m		
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM PRADHANMANTRI MATIYARI TO BARAHMOTRA MUSHHRI TOLA.							
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification								
CH -in		0	0	0	0.000	0	3.75	0.0	
								0.0	
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.								0.0
CH -in		1	30		6.000		0.300	54.00	
CH -in		6	30		3.000		0.600	324.00	
CH -in		8	30		3.800		0.450	410.40	
	Less For Pipe	0						788.40	
					22/7x(0.6)2x2.5	(-)		0.00	
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								788.00
CH -in		2	80		2		1.5	480.00	
	(0.034m3=1 no. of EC Bags)							480.00	
								14117.65	
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 carnage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carnage of Local sand lead 0.5 km)								14118.00
CH -in		2	0		3.00		1.5	0.00	
	(0.076m3=1 no. of Geo Bags)							0.00	
								0.00	
								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)								0.150
								0.150	
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).								
	Ch.0.00km	15	2		2.5			75.00	
								75.00	
								75.00	

15/6/22
JE

15/06/2022
A/E

Executive Engineer
Rural Works Department
Work Division, Triveniganj

Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BLOCK :- CHHATAPUR
PRADHANMANTRI MATIYARI TO BARAHMOTRA MUSHHRI TOLA.

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.	788.00	Cum	1922.87	1515221.56
3	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of suti and EC bag etc. all complete as per approved desing, specification and direction of E/I	14118.00	nos.	36.10	509677.31
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 0.07m 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)	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).	75.00	m	4425.07	331880.25
		Total			Rs.	2356779.12

(Signature)
15/6/22
JE

(Signature)
15/06/2022
AE

(Signature)
15/6/22
Executive Engineer
Rural Works Department
Work Division, Triveniganj