



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
MAIN CANAL EAST TO PASWAN TOLA

Actual Length of Road	=	2.370 Km
Flood affected Length of Road	=	0.350 Km
TOTAL COST OF PAVEMENT	Rs	782,324.39
TOTAL PROJECT COST	Rs	782,324.39

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

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

23	Supaul	Triveniganj	Ranipatti WN 5 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 Baiua 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 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 Mani 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 a a Md Ganj Sima H O Ravin Thakur	0.9	0.085	45	Chhatapur
34	Supaul	Triveniganj	Brahman 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. Gani 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 Canal 8.5 rd to 0 rd	2.75	0.2	48.86	Chhatapur

जाँच प्रतिवेदन

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 समिति 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 जाँच संबंधित सहायक अभियंता एवं कनिष्ठ अभियंता के साथ मापी लिया गया जो निम्न है :-

Name of Road :- MAIN CANAL EAST TO PASWAN TOLA

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

Block :- Chhatapur

Sl No.	Items of Works	Nos.	B (m)	(m) IN	Quantity (m3)
2	brick bate				
		4	25.0	$(4+3.75+4.2+3.5)/4$	$(0.25+0.2)/2$ 87
		4	25.0	$(3.0+3.75+3.8)/3$	$(0.2+0.3+0.25)/3$ 88
		4	25.0	$(3.0+3.75+3.2)/3$	$(0.3+0.21)/2$ 83.41
		2	25.0	$(3.0+3.5+3.75)/3$	$(0.2+0.45)/2$ 55.41
				Total Qty. =	313.62
3	HP 1000MM DIA	2	3.0	2.5	15
				Total Qty. =	15

AK
23/5/22
28

28/5/22
105

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 जाँच प्रतिवेदन के अनुसार POST FACTO M.B. एवं POST FACTO प्राक्कलन तैयार कराकर संक्षम प्रकार को अग्रतर कार्रवाई हेतु शीघ्र भेजे।

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

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD
FROM MAIN CANAL EAST TO PASWAN TOLA

NAME OF ROAD :-

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 2.370 Km

Flood Affected Length of Road :- 0.350 Km

ax	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	603,050.49
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	60,629.87
	Total Cost =	663,680.36
	Add:-Labour Cess @1% amt. =	6,636.80
	Add:GST@12% on amt. =	79,641.64
	Add:S.F.@ 10% on Material =	32,365.58
TOTAL RESTORATION COST OF THE PROJECT IN LACS		782,324.39

AK
15/6/22
Junior Engineer
RWD (W) Division, Triveniganj

Saty
15/6/22
Assistant Engineer
RWD (W) Division, Triveniganj
Chhatapur

Say Re 782324=00
6/7.6.22
Executive Engineer
RWD (W) Division, Triveniganj

Vide Letter No 318-4 (30) दिनांक (तारीख) 23-29/12/2019-4849
dt - 07/12/2021

Technically sanctioned for Re 7,82,324.00/-

(That is seven lakh eighty two thousand three hundred
twenty four only)

H.
22/06/22
Superintending Engineer
Rural Works Department
Works Circle Madhe

Details of Measurement									
कार्य का ब्यौरा Deatail of Work		सहया No	दिनांक				मात्रा Quantity		
			सम्बाई in m		पोंडाई In m				
NAME OF ROAD :-	DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM MAIN CANAL EAST TO PASWAN TOLA								
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification								
CH-in		2	0		3 750		0 300	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		4	25	(4 0+3 75+4 2+3 5)/4	3 863	(0 25+0 2)/2	0 23	86 906	
CH-in		4	25	(3 0+3 75+3 8)/3	3 517	(0 2+0 3+0 25)/3	0 25	87 917	
CH-in		4	25	(3 0+3 75+3 2)/3	3 317	(0 3+0 21)/2	0 26	83 410	
CH-in		2	25	(3 0+3 5+3 75)/3	3 417	(0 2+0 45)/2	0 33	55 410	
							Total (in Cum)	313.620	
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		2 00		0 6	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)								
		1	0		4 00		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 0.00km	2	3		2 5			15 00	
							Total (in m)	15 00	

15/6/22
JE

15/6/2022
AE

15/6/22
EE

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM MAIN CANAL EAST TO
NAME OF ROAD :- PASWAN TOLA
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	313.62	Cum	1032.00	323655.84
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 0.07m3. 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)				
		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	323655.84
		Seigniorage Fees @10% of Basic Amount			Say	32365.58

AR
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