



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 TO KUNTI ROAD
WITH FIVE YEAR MAINTENANCE**

Actual Length of Road	=	7.750 Km
Flood affected Length of Road	=	0.755 Km
TOTAL COST OF PAVEMENT	Rs	3,036,032.50
TOTAL PROJECT COST	Rs	3,036,032.50

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

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

जॉच प्रतिवेदन

मिशन ग्रुप, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक-1880 दिनांक-22.04.2022 द्वारा अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा की अध्यक्षता में गठित ग्राम सेवा समिती द्वारा कार्य प्रमंडल, त्रिवेणीगंज के अंतर्गत वर्ष 2021-22 में बाइ/अतिरिक्त से शीटिंग से मीटरेडुल कार्य के दृष्ट कार्य गवों की मात्रा का स्थानीय जॉच संबंधित सहायक प्रमंडल एवं कमीय अभियंता के साथ मपी सिवा मका जो निम्न है :-

me of Road :- CHHATAPUR LAXMIPUR TO KHNTI ROAD.

vision Name :- Rural Works Department, Works Division, Triveniganj
ck :- Chhatapur

Sl No.	Items of Work	Nos.	L (m)	B (m)	D (m) IN (Av.)	Quantity (m ³)
1	local sand					
	Post A	1	20.0	2.5	1.2	60
		1	25.0	1.5	0.9	33.75
		1	25.0	2.0	0.9	45
		1	25.0	1.5	0.6	22.5
					TOTAL=	161.25
2	brick bats					
	Post B	2	300.0	1.5	0.6	540.00
		1	40.0	2.5	0.6	60.00
		5	25.0	3.8	0.45	210.94
					Total Qty. =	810.94
3	EC BAGS					
		2	30	1.5	0.45	40.50
		NO			40.5/0.34=	1192.00
4	GSB GR-2					
		1	10.0	2.5	0.15	3.75
		10	25.0	1.0	0.15	37.50
		2	32.0	3.0	0.15	14.40
		8	21.0	3.8	0.15	94.50
		10	18.0	2.9	0.15	7.83
		10	25.0	2.5	0.15	93.75
		1	27.0	3.5	0.15	14.18
						265.91
5	hume pipe 1000 mm dia (HPC).					
		4	3	2.5		30.00
			3	2.5		15 M

4-5 M

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, सुपौल।

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 जॉच प्रतिवेदन के अनुसार POST FACTO M.B. एवं POST FACTO प्राक्कलन तैयार कराकर सक्षम कार को उपर कार्यवाई हेतु शीघ्र भेजें।

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

Index of Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF
ROAD FROM CHHATAPUR LAXMIPUR TO KUNTI ROAD
WITH FIVE YEAR MAINTENANCE

DISTRICT :- SUPAUL

BLOCK :- CHHATAPUR

Head :- F.D.R.

Year :- 2021-22

Actual Length of Road :- 7.750 Km

Flood Affected Length of Road :- 0.755 Km

TOTAL COST OF PAVEMENT :- ₹ 3,036,032.50

Sr. No.	Description	Page No.
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10/6/22

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Executive Engineer
Rural Works Department
Work Division, Triveniganj

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR TO KUNTI ROAD WITH FIVE YEAR MAINTENANCE

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 7.750 Km

Flood Affected Length of Road :- 0.755 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	88,544.6970
2	BRICK BATS	1,559,332.20
3	EC BAG	42,996.58
4	GEO BAG	-
5	GRANULAR SUB BASE	800,544.23
6	HUME PIPE	108,000.00
	Total Cost =	2,599,417.70
	Add:-Labour Cess @1% amt. =	25,994.18
	Add:GST@12% on amt. =	311,930.12
	Add:S.F.@ 10% on Material =	98,690.49
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	3,036,032.50

Say Rs 3036033.50

10/6/22

Junior Engineer
RWD (W) Division, Triveniganj

10/6/22

Assistant Engineer
RWD (W) Division, Triveniganj

11/7/22

Executive Engineer
RWD (W) Division, Triveniganj

Vide Letter नुं ममिठ 4 (नुं) विविध (कर्य) 23-29/12/2019-4849
dt 07/12/2021

Technically sanctioned for super 30,36,033.00/-
(that is thirty lakh thirty six thousand and
thirty three super only).

11/6/22

Superintending Engineer
Rural Works Department
Works Circle Madhe

Details of Measurement							
काम का विवरण Detail of Work		संख्या No.	माप			मात्रा Quantity	
			मजदूरी in m.	पट्टाई in m.	in m.		
NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR TO KUNTI ROAD WITH FIVE YEAR MAINTENANCE							
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification						
CH-in		1	20	2.500	1.20	60.000	
CH-in		1	25	1.500	0.90	33.750	
CH-in		1	25	2.000	0.90	45.000	
CH-in		1	25	1.500	0.60	22.500	
CH-in						161.250	
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		2	300	1.500	0.600	540.000	
CH-in		1	40	2.500	0.600	60.000	
CH-in		5	25	3.800	0.450	213.750	
CH-in						813.750	
				Total (in Cum)		810.940	
Item No. 3	Labour filling empty cement bags with local 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	30	1.5	0.45	40.50	
			Total (in cum)			40.50	
						1191.18	
	(0.034m ³ =1 no. of EC Bags)			Total (in nos.)		1191.00	
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 0.07m 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)						
CH-in		2	0	1.20	0.6	0.00	
						0.00	
						0.00	
	(0.076m ³ =1 no. of Geo Bags)			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	10	2.50	0.150	3.750	
		10	25	1.00	0.150	37.500	
		2	32	1.50	0.150	14.400	
		8	21	3.75	0.150	94.500	
		1	18	2.90	0.150	7.830	
		10	25	2.50	0.150	93.750	
		1	27	3.50	0.160	14.175	
			Total (Cum)			265.905	
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).						
Ch.in		6	3	2.5		45.00	
			Total (in m)			45.00	

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10/6/22

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10/06/2022
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17.5.22
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Executive Engineer
Rural Works Department
Work Division Trivenigani

Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR TO KUNTI ROAD WITH FIVE YEAR MAINTENANCE 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	161.25	Cum	549.11	88544.70
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.	810.94	Cum	1922.87	1559332.20
3	5.7.40.1	Labour filling empty cement bags with local 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	1191.00	nos.	36.10	42996.58
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.	265.905	Cum	3010.64	800544.23
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(600mm Dia).	45.00	m	2400.00	108000.00
		Total			Rs.	2599417.70

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10/6/2022

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10/6/22
Executive Engineer
Rural Works Department
Work Division Tavenigani