



# 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  
RAJESHWARI OP TO TAMUA**

<b>Flood affected Length of Road</b>	<b>=</b>	<b>0.300 Km</b>
<b>TOTAL COST OF PAVEMENT</b>	<b>Rs</b>	<b>1,470,528</b>
<b>TOTAL PROJECT COST</b>	<b>Rs</b>	<b>1,470,528</b>

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

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

## जॉच प्रतिवेदन

(3)

11 प्रमुख ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक-1080 दिनांक-22.04.2022 द्वारा अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा की अध्यक्षता में गठित चार सदस्यीय द्वारा कार्य प्रमंडल, त्रिवेणीगंज के अंतर्गत वर्ष 2021-22 में बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों के मोटरबुल कार्य के कृत कार्य गनों की मात्रा का स्थलीय जॉच संबंधित सहायक अभियंता एवं अभियंता के साथ जारी किया गया जो निम्न है :-

me of Road :- RAJESWARI OP TO TAMUA

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

Location :- Chhatapur

No.	Items of Works	Nos.	(n)	(n)	(m)	Quantity (m3)
	BRICK BATS	4	25	4.5	0.6	270
	LOCAL SAND	8	25.0	3.2	0.3	192
		8	25.0	3.0	0.3	180
					TOTAL=	372
	GSB GE-2	4	25.0	3.0	0.15	45
		4	25.0	3.0	0.15	45
		8	25.0	3.0	0.15	90
	Total Qty. =					180

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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

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

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

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD  
FROM RAJESHWARI OP TO TAMUA


NAME OF ROAD :-

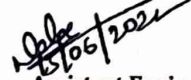
DIVISION :- TRIVENIGANJ

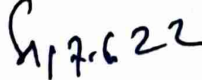
BLOCK :- CHHATAPUR

Flood Affected Length of Road :- 0.300 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	
2	BRICK BATS	204,270.5568
3	EC BAG	519,174.90
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	541,915.20
		-
	Total Cost =	1,265,360.66
	Add:-Labour Cess @1% amt. =	12,653.61
	Add:GST@12% on amt. =	151,843.28
	Add:S.F.@ 10% on Material =	40,670.93
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,470,528

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

  
21/6/2022  
Assistant Engineer  
RWD (W) Division, Triveniganj  
Chhatapur

  
21.6.22  
Executive Engineer  
RWD (W) Division, Triveniganj

vide letter no 3180-4 (30) दिदिह (काप) 23-291/2019-4849  
dt-07/12/2021

Technically sanctioned for Rs 1470528.00/-  
(Fourteen lakhs seventy thousand five hundred twenty eight only)

  
21/6/22  
Superintending Engineer  
Rural Works Department  
Block Circle, Madhe





## Calculation of Selanlorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM RAJESHWARI OF TO  
NAME OF ROAD :- TAMUA  
BLOCK :- CHHATAPUR

S.No	SDR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing & Technical Specification				
		Sand	363.52	Cum	116.85	42477.55
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 achelve required density with all complete as per the direction of engineer in charge.				
		Brick Bats	270.00	Cum	1032.00	278640.00
3/7	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				
		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
			180.00	Cum	475.51	85591.73
		GSB Gr-II				85591.73
					TOTAL	406709.27
		Selanlorage Fees @10% of Basic Amount			Say	40670.93

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15/6/22  
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15/6/2022  
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Executive Engineer.  
Rural Works Department  
Work Division, Trivenigan,

## Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM BLOCK :- CHHATAPUR  
RAJESHWARI OP TO TAMUA

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	372.00	Cum	549.11	204270.56
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.	270.00	Cum	1922.87	519174.90
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 0.07m <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)	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, rmbing 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.	180.000	Cum	3010.64	541915.20
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.	1265360.66

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Executive Engineer  
Rural Works Department  
Work Division, Triveniganj