

## SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF  
ROAD FROM GULAB CHAND MUKHIA HOUSE TO MULLAH  
TOLA

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Flood Affected Length of Road :- 0.375 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	150,731.9028
2	BRICK BATS	519,174.90
3	EC BAG	127,437.38
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	-
	Total Cost =	797,344.18
	Add:-Labour Cess @1% amt. =	7,973.44
	Add:GST@12% on amt. =	95,681.30
	Add:S.F.@ 10% on Material =	32,473.73
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	933,473

*AFD*  
10/6/22

Junior Engineer  
RWD (W) Division, Triveniganj

*10/06/2022*

Assistant Engineer  
RWD (W) Division, Triveniganj

*17.6.22*

Executive Engineer  
RWD (W) Division, Triveniganj

Vide Lettu No. 4 (Sub) विविध (मार्ग) 23-291/2019-4849  
dt-07/12/2021

Technically sanctioned for rupees 9,33,473.00/-  
(that is Nine Lakh thirty three thousand four hundred  
Seventy three Rupees only)

*27/06/22*  
Superintending Engineer  
Rural Works Department  
Works Circle Madhe

Details of Measurement							
कार्य का ब्यौरा Deatail of Work		संख्या No.	पैमाईस Measurement			मात्रा Quantity	
			लम्बाई in m.	चौड़ाई In m.	ऊँचाई In m.		
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORRY RESTORATION OF ROAD FROM GULAB CHAND MUKHIA HOUSE TO MULLAH TOLA					
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification						
CH:-in		5	30	1.500	(0.6+0.2)/2	90.000	
CH:-in		5	30	1.500	(0.6+0.2)/2	90.000	
CH:-in		2	30	1.500	(0.9+1.2)/2	94.500	
CH:-in						274.500	
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 achelve required density with all complete as per the direction of engineer in charge.						
CH:-in		5	25	1.200	0.600	90.000	
CH:-in		5	25	1.200	0.600	90.000	
CH:-in		5	25	1.200	0.600	90.000	
CH:-in						270.000	
Less For Pipe		0	22/7x(0.6)2x2.5 (-)			0.000	
			Total (in Cum)			270.000	
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		2	50	2	0.6	120.00	
			Total (in cum)			120.00	
(0.034m3=1 no. of EC Bags)						3529.41	
			Total (in nos.)			3530.00	
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)						
		1	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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10/6/22

JE

Sub  
to  
AE

Ch. A. G. C.

EE  
Executive Engineer  
Rural Works Department  
Work Division, Triveniganj



## Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM GULAB CHAND MUKHIA

NAME OF ROAD :- HOUSE TO MULLAH 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	274.50	Cum	116.85	32075.33
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	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 suttli and EC bag etc. all complete as per approved desing, specification and direction of E/I				
		Sand	120.00	Cum	116.85	14022.00
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	324737.33
		Seigniorage Fees @10% of Basic Amount			Say	32473.73

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

## Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM GULAB CHAND MUKHIA HOUSE TO MULLAH TOLA BLOCK :- CHHATAPUR

S.No	SOR NO	DESRPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	274.50	Cum	549.11	150731.90
2	A/R	Providing and laying of Brick bat obtained from chimney with machenical 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 sultii and EC bag etc. all complete as per approved desing, specification and direction of E/I	3530.00	nos.	36.10	127437.38
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, 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.	797344.18

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*Chhatapur*  
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Executive Engineer  
Rural Works Department  
Work Division, Trivenigani



## Bill of Quantity

**NAME OF ROAD :-** DETAILED ESTIMAE FOR TEMPORARY  
RESTORATION OF ROAD FROM GULAB CHAND  
MUKHIA HOUSE TO MULLAH TOLA

**BLOCK :-**

**CHHATAPUR**

**DISTRICT :-**

**SUPAUL**

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	274.50	Cum	549.11	150731.90
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.	270.00	Cum	1922.87	519174.90
3/3	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	3530.00	nos.	36.10	127437.38
4/4	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)	0.00	Each	172.18	0.00
5/5	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
6/6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	0.00	m	4041.99	0.00
					Say	797344.18
		Seigniorage Fees				32473.73
		Add @12% GST				95681.30
		Add @1% Lebour Cess				7973.44
						933472.66
					Say	933473.00

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