

# SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF  
ROAD FROM MAHDIPUR BAZAR TO CHHATAPUR  
(BOARDER)

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 1.000 Km

Flood Affected Length of Road :- 0.709 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	-
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	1,392,044.67
6	HUME PIPE	-
	Total Cost =	1,392,044.67
	Add:-Labour Cess @1% amt. =	13,920.45
	Add:GST@12% on amt. =	167,045.36
	Add:S.F.@ 10% on Material =	21,986.38
TOTAL RESTORATION COST OF THE PROJECT IN LACS		1,594,996.85

*AR*  
10/6/22  
Junior Engineer  
RWD (W) Division, Triveniganj

*Dele*  
10/06/2022  
Assistant Engineer  
RWD (W) Division, Triveniganj  
Chhatapur

Say Rs 1594997.00  
*G.17.6.22*  
Executive Engineer  
RWD (W) Division, Triveniganj

Vide letter no अमि० ५ (पु०) विविध (कार्य) 25-29/1/2021  
dt 07/12/2021

Technically sanctioned for super 15,94,997.00/-  
(that is fifteen lakh ninetyfour thousand  
nine hundred ninetyseven super only)

*W. 29/06/22*  
Superintending Engineer  
Rural Works Department  
Works Circle Marheta

Details of Measurement										
कार्य का ब्यौरा Deatall of Work				संख्या No.	Measurement			मात्रा Quantity		
					लम्बाई in m.	चौड़ाई In m.	In m.			
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORRY RESTORATION OF ROAD FROM MAHDIPUR BAZAR TO CHHIATAPUR (BOARDER)								
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification									
CH:-in .				1	0	0.000	0.40	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				6	0	1.500	0.450	0.000		
								0.000		
				Total (in Cum)				0.000		
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				0	0	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	0.9	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-									
				3	30	3.75	0.150	50.6250		
				4	30	3.75	0.200	90.0000		
				3	30	3.75	0.150	50.6250		
				5	20	3.75	0.150	56.2500		
				5	30	3.75	0.200	112.5000		
				3	30	3.75	0.150	50.6250		
				2	30	3.75	0.200	45.0000		
				1	9	3.75	0.200	6.7500		
				Total (Cum)				462.375		
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).									
Ch.0.00km				4	0	2.5		0.00		
				Total (in m)				0.00		

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G.17.6.2'  
EE  
Executive Engineer  
Rural Works Department  
Work Division, Triveniganj

## Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM MAHDIPUR BAZAR TO CHHATAPUR (BOARDER) 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	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.	0.00	Cum	1922.87	0.00
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 0.07m3. 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	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.	462.375	Cum	3010.64	1392044.67
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.	1392044.67

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Executive Engineer  
Rural Works Department  
Work Division, Triveniganj

## Calculation of Seigniorage Fees

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM MAHDIPUR BAZAR TO**  
**NAME OF ROAD :- CHHATAPUR (BOARDER)**  
**BLOCK :- CHHATAPUR**

S.No	SOR NO	DESRPTION 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	0.00	Cum	1032.00	0.00
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 0.07m <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
			462.38	Cum	475.51	219863.75
		GSB Gr-II				219863.75
					TOTAL	219863.75
		Seigniorage Fees @10% of Basic Amount			Say	21986.38

*AG*  
10/6/22  
JE

*Sub*  
10/6/2022  
AE

*17.6.22*  
EE  
Executive Engineer  
Rural Works Department  
Work Division: Triveniganj

## Bill of Quantity

DETAILED ESTIMAE FOR TEMPORARY  
NAME OF ROAD :- RESTORATION OF ROAD FROM MAHDIPUR BAZAR  
TO CHHATAPUR (BOARDER)


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	0.00	Cum	549.11	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.	0.00	Cum	1922.87	0.00
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	0.00	nos.	36.10	0.00
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 0.07m <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
5/5	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.	462.38	Cum	3010.64	1392044.67
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	1392044.67
		Seigniorage Fees				21986.38
		Add @12% GST				167045.36
		Add @1% Labour Cess				13920.45
						1594996.85
					Say	1594997.00

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