

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 3036033200

[Signature]
10/16/22

Junior Engineer

RWD (W) Division, Triveniganj

[Signature]
10/16/2022

Assistant Engineer

RWD (W) Division, Triveniganj

Chhatapur

[Signature]
11/26/22

Executive Engineer

RWD (W) Division, Triveniganj

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

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

[Signature]
22/06/22

Superintending Engineer
Rural Works Department
Works Circle Madhe

Details of Measurement						
कार्य का ब्यौरा Deatail of Work	संख्या No	पैमाईस			मात्रा Quantity	
		लम्बाई in m	चौड़ाई In m	In m		
DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR TO KUNTI ROAD WITH FIVE YEAR MAINTENANCE						
NAME OF ROAD :-						
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 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	30	1.5	0.45	40.50	
				Total (in cum)	40.50	
				(0.034m3=1 no. of EC Bags)	1191.18	
				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 0.07m3. 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	1.20	0.6	0.00	
					0.00	
				(0.076m3=1 no. of Geo Bags)	0.00	
				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	0.150	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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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 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	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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Executive Engineer
Rural Works Department
Work Division Trivenigani

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR
NAME OF ROAD :- TO KUNTI ROAD WITH FIVE YEAR MAINTENANCE
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	161.25	Cum	116.85	18842.06
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	810.94	Cum	1032.00	836890.08
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	40.50	Cum	116.85	4732.43
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
			265.91	Cum	475.51	126440.38
		GSB Gr-II				126440.38
					TOTAL	986904.95
		Seigniorage Fees @10% of Basic Amount			Say	98690.49

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Sub
10/6/2022
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S. P. C. 22
Executive Engineer
Rural Works Department
Work Division, Trivenigani

Bill of Quantity

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

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	161.25	Cum	549.11	88544.70
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.	810.94	Cum	1922.87	1559332.20
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	1191.00	nos.	36.10	42996.58
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.	265.91	Cum	3010.64	800544.23
6/6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	45.00	m	2400.00	108000.00
					Say	2599417.70
						98690.49
		Seigniorage Fees				311930.12
		Add @12% GST				25994.18
		Add @1% Lebour Cess				3036032.50
					Say	3036032.00

Executive Engineer
Rural Works Department
Work Division, Trivenigani