

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM CHHATAPUR LAXMIPUR SIMA SE TO KHATBE
TOLA MAHADALIT TOLA KHUTI

NAME OF ROAD :-

DIVISION :- TRIVENIGANJ

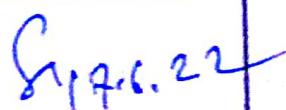
BLOCK :- CHHATAPUR

Flood Affected Length of Road :- 0.375 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	1,785,192.51
3	EC BAG	1,019,354.61
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	-
	Total Cost =	2,804,547.12
	Add:-Labour Cess @1% amt. =	28,045.47
	Add:GST@12% on amt. =	336,545.65
	Add:S.F.@ 10% on Material =	107,028.48
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	3,276,167

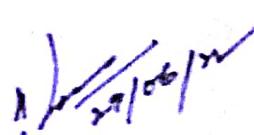

 10/16/22
 Junior Engineer
 RWD (W) Division, Triveniganj


 10/16/2022
 Assistant Engineer
 RWD (W) Division, Triveniganj


 10/16/2022
 Executive Engineer
 RWD (W) Division, Triveniganj

Vide Letter मु० ३८० ४ (मु०) विविध (कार्य) २३-२९/१/२०१९-४८४९
 dt ०७-१२-२०२१

Technically Sanctioned for Rs-3276167.00 (Rupees
 (Thirty two Lacs Seventy Six thousand One hundred Sixty Seven Only)


 Sub-Engineer
 Rural Works Department
 Works Circle, Matheran

Details of Measurement

NAME OF ROAD :-	कार्य का व्यौरा Detail of Work	संख्या No.	पैकेज M	मात्रा Quantity			
				लम्बाई in m	चौड़ाई in m.	In m.	
DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR SIMA SE TO KHATBE TOLA MAHADALIT TOLA							
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			3	25	6 000	0 600	270.000
CH-in			3	20	3 800	0.300	68.400
CH-in			2	30	5 500	0.600	198.000
CH-in			3	25	3 200	0.300	72.000
CH-in			4	25	3 200	0.500	160.000
CH-in			4	25	3 200	0.500	160.000
							928.400
					Total (in Cum)		928.400
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	200	2	1.2	960.00
					Total (in cum)		960.00
	(0.034m ³ =1 no. of EC Bags)						28235.29
					Total (in nos)		28236.00
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
	(0.076m ³ =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	0	3.75	0.150	0.0000
			1	0	3.75	0.150	0.0000
			2	0	3.75	0.150	0.0000
					Total (Cum)		0.000
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).						
Ch.			4	0	2.5		0.00
					Total (in m)		0.00

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Execut.
Rural Works Department
Work Division, Trivenigani

11/7/22

Calculation of Estimate

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR SIMA SE TO KHATBE TOLA MAHADALIT TOLA KHUTI
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	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 mechanical means with all spreading, grading to required slope and compacted at OMC to achieve required density with all complete as per the direction of engineer in charge.				
		Brick Bats	928.40	Cum	1032.00	958108.80
3/7	5.7.40.1	Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sutt and EC bag etc. all complete as per approved design, specification and direction of E/I				
		Sand	960.00	Cum	116.85	112176.00
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 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)				
		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
		Seigniorage Fees @10% of Basic Amount			TOTAL	1070284.80
					Say	107028.48

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Executive Engineer
Rural Works Department
Work Division, Trivenigani

11/7/22

Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM CHHATAPUR LAXMIPUR SIMA SE TO KHATBE TOLA MAHADALIT TOLA KHUTI

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	0.00	Cum	549.11	0.00
2	A/R	Providing and laying of Brick bat obtained from chimney with mechanical means with all spreading, grading to required slope and compacted at OMC to achieve required density with all complete as per the direction of engineer in charge.	928.40	Cum	1922.87	1785192.51
3	5.7.40.1	Labour filling empty cement bags with local sand, stitching the bags and placing including supply of suti and EC bag etc. all complete as per approved design, specification and direction of E/I	28236.00	nos.	36.10	1019354.61
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.	0.000	Cum	3010.64	0.00
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row (1000mm Dia).	0.00	m	4041.99	0.00
		Total			Rs.	2804547.12

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10/06/22

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10/06/2022

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Chitrabhanu
Chitrabhanu
EE
Executive Engineer
Rural Works Department
Nark Division Trivenigani

Bill of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORRY
RESTORATION OF ROAD FROM CHHATAPUR
LAXMIPUR SIMA SE TO KHATBE TOLA MAHALALIT
TOLA KHUTI

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 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.	928.40	Cum	1922.87	1785192.51
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	28236.00	nos.	36.10	1019354.61
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	2804547.12
		Seigniorage Fees				107028.48
		Add @12% GST				336545.65
		Add @1% Labour Cess				28045.47
						3276166.73
					Say	3276167.00

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Executive Engineer
Rural Works Department
Work Division, Trivenigani