

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD
FROM BARI MASZID JHAKARGADH TO PURAB MAHADALIT TOLA
VIA CHOCHAN , SAH, MANSURI , MAHADALIT TOLA

NAME OF ROAD :-

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 2.000 Km

Flood Affected Length of Road :- 0.290 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	761,456.52
3	BAMBOO PILE	33,389.66
4	BAMBOO SUPPLY	22,794.73
5	EC BAG	150,361.66
6	GEO BAG	305,797.86
7	GRANULAR SUB BASE	-
8	HUME PIPE	-
	Total Cost =	1,273,800.44
	Add:-Labour Cess @1% amt. =	12,738.00
	Add:GST@12% on amt. =	152,856.05
	Add:S.F.@ 10% on Material =	90,000.00
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,529,394

[Signature]
15/6/22

Junior Engineer
RWD (W) Division, Triveniganj

[Signature]
15/6/2022
Assistant Engineer
RWD (W) Division, Triveniganj
[Signature]

[Signature]
15/6/22
Executive Engineer
RWD (W) Division, Triveniganj

Vide Letter No 3170-4 (मुं) दिवि-4 (कार्) 23-291/2019-484
dt - 07/12/2021

Technically Sonetioned for Rs-15,29394.00/-
(that is fifteen lakh twenty nine thousand three hundred
ninety four rupees only)

[Signature]
29/6/22
Superintending Engineer
Rural Works Department
Works Circle Madhe

Details of Measurement							
कार्य का ब्यौरा Deatail of Work		संख्या No.	पैमाईस			मात्रा	
			लम्बाई in m.	चौड़ाई In m.	ऊँचाई In m.		
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BARI MASZID JHAKARGADH TO PURAB MAHADALIT TOLA VIA CHOHAN , SAH, MANSURI , MAHADALIT TOLA					
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification						
CH:-in		1	0	5.500	0.60	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	2.500	0.600	112.50	
CH:-in		1	30	2.500	0.300	22.50	
CH:-in		2	30	2.200	0.300	39.60	
CH:-in		5	25	2.500	0.300	93.75	
Total (in Cum)						396.000	
Item No. 3	Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I						268.350
CH:-in		3	26.5		4.00	318.000	
CH:-in		2	8		4.00	64.000	
CH:-in		3	19.5		4.00	234.000	
CH:-in		2	14		4.00	112.000	
For Bamboo pilling 1.25m						728.000	
Item No. 6	Supply of Bamboo at site.						
Total (in m)							
Total (In nos.)							
						121.00	
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		1	20.00	2	1.50	60.00	
CH:-in		1	20.00	2	1.00	40.00	
CH:-in		1	32.76	2	0.63	41.58	
CH:-in		Total (in cum)				141.58	
(0.034m3=1 no. of EC Bags)						4165.00	
Total (in nos.)						4165.00	
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	75	2.00	0.45	135.00	
						135.00	
(0.076m3=1 no. of Geo Bags)						1776.32	
Total (in nos.)						1776.00	
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)						
		6	0	3.00	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.0.00km		2	0	2.5		0.00	
Total (in m)						0.00	

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Executive Engineer
Rural Works Department
Work Division Trivenigani

H17-6.2

Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BLOCK :- CHHATAPUR
BARI MASZID JHAKARGADH TO PURAB MAHADALIT TOLA VIA
CHOHAN , SAH, MANSURI , MAHADALIT TOLA

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 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.	396.00	Cum	1922.87	761457
3	5.7.7	Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I	728.00	m	45.86	33390
4	5.7.8	Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I	0.00	sqm	78.20	0
5	5.7.9	Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I	#REF!	m	5.31	0
6		Supply of Bamboo at site.	121.00	nos.	188.39	22795
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	4165.00	nos.	36.10	150362
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)	1776.00	Each	172.18	305798
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
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
		Total			Rs.	1273800

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Executive Engineer,
Rural Works Department
Work Division, Triveniganj

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BARI MASZID
NAME OF ROAD :- JHAKARGADH TO PURAB MAHADALIT TOLA VIA CHOCHAN , SAH, MANSURI , MAHADALIT 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	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	396.00	Cum	1032.00	408672.00
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	141.58	Cum	116.85	16543.62
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	135.00	Cum	116.85	15774.75
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
						0.00
		Seigniorage Fees @10% of Basic Amount			TOTAL	440990.37
					Say	44099.04

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15/06/2022
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S. J. G. 22

Executive Engineer
Rural Works Department
Work Division, Triveniganj