

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM RAGHUNATHPUR TO FASIYA KOTHI ROAD
WITH FIVE YEAR MAINTENANCE

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 9.375 Km

Flood Affected Length of Road :- 0.240 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	1,368,025.86
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	938,868.08
6	HUME PIPE	121,259.74
	Total Cost =	2,428,153.69
	Add:-Labour Cess @1% amt. =	24,281.54
	Add:GST@12% on amt. =	291,378.44
	Add:S.F.@ 10% on Material =	88,250.41
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	2,832,064

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15/6/22

Junior Engineer
RWD (W) Division, Triveniganj

Aditya
18/06/2022
Assistant Engineer
RWD (W) Division, Triveniganj
Chhatapur.

Ar
17.6.22
Executive Engineer
RWD (W) Division, Triveniganj

vide letter no 30504 (M) विविध (कर्म) 23-29/1/2019 - 4849
dt - 07/12/2021

(Technically Sanctioned for works - 28,32,064.00 /-
that is twenty eight lakh thirty two thousand
and sixty four rupees.)

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25/06/22
Superintending Engineer
Rural Works Department
Works Circle Madhe

Details of Measurement							
कार्य का ब्यौरा Deatail of Work		संख्या No	पैमाईस लम्बाई चौड़ाई in m. In m.			मात्रा Quantity	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM RAGHUNATHPUR TO FASIYA KOTHI ROAD WITH FIVE YEAR MAINTENANCE					
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification						
CH:-in		1	0	2.500	1.20	0.000	
						0.000	
Item No. 2	Providing and laying of Brick bat obtained from chimney with machedanical 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	25	3.000	0.600	90.000	
CH:-in		4	30	3.200	0.300	115.200	
CH:-in		10	30	3.750	0.450	506.250	
						711.450	
				Total (in Cum)		711.450	
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	0	1.5	0.45	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							
						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)						
		18	30	3.85	0.150	311.850	
				Total (Cum)		311.850	
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).						
Ch.in		4	3	2.5		30.00	
				Total (In m)		30.00	

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Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM RAGHUNATHPUR TO FASIYA KOTHI 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	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.	711.45	Cum	1922.87	1368025.86
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 0.07m 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.	311.850	Cum	3010.64	938868.08
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	30.00	m	4041.99	121259.74
		Total			Rs.	2428153.69

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Executive Engineer
Rural Works Department
Work Division, Triveniganj

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM RAGHUNATHPUR TO
NAME OF ROAD :- FASIYA KOTHI 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	0.00	Cum	116.85	0.00
		Sand				
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.	711.45	Cum	1032.00	734216.40
		Brick Bats				
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	0.00	Cum	116.85	0.00
		Sand				
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)	0.00	Cum	116.85	0.00
		Sand				
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
						142652.88
		Cost for 300 cum = a		Cum		475.51
		Rate psr Cum = (a)/300	311.85	Cum	475.51	148287.67
						148287.67
		GSB Gr-II			TOTAL	882504.07
					Say	88250.41
		Seigniorage Fees @10% of Basic Amount				

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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 RAGHUNATHPUR
TO FASIYA KOTHI 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	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.	711.45	Cum	1922.87	1368025.86
3/3	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sulli 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 0.07m3. 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.	311.85	Cum	3010.64	938868.08
6/6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	30.00	m	4041.99	121259.74
					Say	2428153.69
		Seigniorage Fees				88250.41
		Add @12% GST				291378.44
		Add @1% Lebour Cess				24281.54
						2832064.08
					Say	2832064.00

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Executive Engineer
Rural Works Department
Work Division, Triveniganj