

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF
ROAD FROM NH-57 YADAV TOLA TO PASWAN TOLA -2722

NAME OF ROAD :-

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 1.000 Km

Flood Affected Length of Road :- 0.432 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	927,592.49
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	60,629.87
	Total Cost =	988,222.36
	Add:-Labour Cess @1% amt. =	9,882.22
	Add:GST@12% on amt. =	118,586.68
	Add:S.F.@ 10% on Material =	49,783.68
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,166,475

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15/6/22

Junior Engineer
RWD (W) Division, Triveniganj

15/06/2022
Assistant Engineer

RWD (W) Division, Triveniganj

Chhatapur

17.6.22

Executive Engineer

RWD (W) Division, Triveniganj

Vide Letter मु० अमि०-५ (मु०) विविध कार्य) 23-29/1/2019-4849
dt-07/12/2021

Technically sanctioned for Rs 1166475.00/-

(that is Eleven lacks sixty six thousand four hundred
Seventy five only)

1/29/06/22

Superintending Engineer
Rural Works Department
Works Circle Madhe

Details of Measurement									
कार्य का ब्यौरा Deatall of Work			संख्या No.	पैमाईस Measurement				मात्रा	
				लम्बाई in m.		चौड़ाई In m.	In m.		
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM NH-57 YADAV TOLA TO PASWAN TOLA -2722							
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification								
CH:-in			1	0		4.200	0.40	0.000	
				0				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			5	30		2.50	0.30	112.50	
CH:-in			2	30		3.20	0.60	115.20	
CH:-in			1	30		1.00	0.45	13.50	
CH:-in			5	30		1.50	0.30	67.50	
CH:-in			1	30		8.50	0.60	153.00	
CH:-in			1	12	(9+7.5)/2	8.25	0.60	59.40	
LESS PIPE			4X2X0.79X1.23X0.622					-4.800	
			Total (in Cum)					482.400	
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			0	20		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		3.00	1.5	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-II Material)								
			1	0		3.2	0.160	0.00	
			Total (Cum)					0.00	
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row(1000mm Dia).								
Ch.0.00km			2	3		2.5		15.00	
			Total (in m)					15.00	

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H17-622
Executive Engineer
Rural Works Department
Work Division, Triveniganj

Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM
NH-57 YADAV TOLA TO PASWAN TOLA -2722

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.	482.40	Cum	1922.87	927592.49
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.	0.00	Cum	3010.64	0.00
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	15.00	m	4041.99	60629.87
		Total			Rs.	988222.36

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Executive Engineer
Rural Works Department
Work Division, Triveniganj

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM NH-57 YADAV TOLA TO
NAME OF ROAD :- PASWAN TOLA -2722
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	482.40	Cum	1032.00	497836.80
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 0.07m3. 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
			0.00	Cum	475.51	0.00
		GSB Gr-II				0.00
					TOTAL	497836.80
		Seigniorage Fees @10% of Basic Amount			Say	49783.68

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Executive Engineer
Rural Works Department
Work Division, Triveniganj

Bill of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY
RESTORATION OF ROAD FROM NH-57 YADAV
TOLA TO PASWAN TOLA -2722

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.	482.40	Cum	1922.87	927592.49
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 ³ . weight of filled Geo bags 126 Kg with local sand including stitching in four lles 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.	15.00	m	4041.99	60629.87
					Say	988222.36
		Seigniorage Fees				49783.68
		Add @12% GST				118586.68
		Add @1% Lebour Cess				9882.22
						1166474.95
					Say	1166475.00

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15/6/22

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Executive Engineer
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