

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM MADHOPUR KAJI TOLA PASCHIM KUJRAHI TO SHW BIRPUR SUKHAI CHOWK TAK

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 1.999 Km

Flood Affected Length of Road :- 0.424 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	1,378,659.33
3	EC BAG	127,437.38
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	99,564.08
	Total Cost =	1,605,660.78
	Add:-Labour Cess @1% amt. =	16,056.61
	Add:GST@12% on amt. =	192,679.29
	Add:S.F.@ 10% on Material =	75,394.54
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,889,791

AP
15/6/22
Junior Engineer
RWD (W) Division, Triveniganj

15/06/22
Assistant Engineer
RWD (W) Division, Triveniganj
Chhatapur

17.6.22
Executive Engineer
RWD (W) Division, Triveniganj

Vide Letter No. 3470-A (30) Dated (Date) 23-29/12/2019-4849
dt 07/12/2021

Technically Sanctioned For Rs-1889791.00 (Rupees)
[Eighteen lakhs, eighty nine thousand, seven hundred ninety one]

1/29/06/22
Superintending Engineer
Rural Works Department
Works Circle Madhe

Details of Measurement							
कार्य का ब्यौरा Deatail of Work		संख्या No.	पैमाईस Measurement			मात्रा Quantity	
			लम्बाई in m.	चौड़ाई In m.	In m.		
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM MADHOPUR KAJI TOLA PASCHIM KUJRAHI TO SHW BIRPUR SUKHAI CHOWK TAK					
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification						
CH:-in .		17	25	4.000	0.60	0.000	
						0.000	
Item No. 2	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.						
CH:-in		2	30	4.58	0.30	82.44	
CH:-in		1	14	8.58	0.30	36.04	
CH:-in		10	30	3.50	0.45	472.50	
CH:-in		2	25	4.20	0.60	126.00	
						716.98	
				Total (in Cum)		716.980	
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	50	2	0.6	120.00	
				Total (in cum)		120.00	
(0.034m3=1 no. of EC Bags)						3529.41	
				Total (in nos.)		3530.00	
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)						
		3	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.0.00km		3	3	2.5		22.50	
				Total (In m)		22.50	

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Bill of Quantity

DETAILED ESTIMAE FOR TEMPRORY
NAME OF ROAD :- RESTORATION OF ROAD FROM MADHOPUR KAJI
TOLA PASCHIM KUJRAHI TO SHW BIRPUR SUKHAI
CHOWK TAK

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	1700.00	Cum	0.00	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.	716.98	Cum	1922.87	1378659.33
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	3530.00	nos.	36.10	127437.38
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.	22.50	m	4425.07	99564.08
					Say	1605660.78
		Seigniorage Fees				75394.54
		Add @12% GST				192679.29
		Add @1% Lebour Cess				16056.61
						1889791.22
					Say	1889791.00

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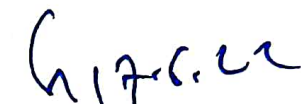
Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BLOCK :- CHHATAPUR
MADHOPUR KAJI TOLA PASCHIM KUJRAHI TO SHW BIRPUR SUKHAI
CHOWK TAK

S.No	SOR NO	DESRPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	1700.00	0	0.00	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.	716.98	Cum	1922.87	1378659.33
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	3530.00	nos.	36.10	127437.38
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.	0.000	Cum	3010.64	0.00
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	22.50	m	4425.07	99564.08
		Total			Rs.	1605660.78


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Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM MADHOPUR KAJI TOLA
NAME OF ROAD :- PASCHIM KUJRAHI TO SHW BIRPUR SUKHAI CHOWK TAK
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.	716.98	Cum	1032.00	739923.36
		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	120.00	Cum	116.85	14022.00
		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
		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	753945.36
		Seigniorage Fees @10% of Basic Amount			Say	75394.54

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