

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM AMBIKA MANDAL KE GHAR KE NIKAT TO
DIPU PASWAN KE GHAR KAMAT KISUNGANJ SIMA

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 2.630 Km

Flood Affected Length of Road :- 0.890 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	2,304,713.52
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	199,128.15
	Total Cost =	2,503,841.67
	Add:-Labour Cess @1% amt. =	25,038.42
	Add:GST@12% on amt. =	300,461.00
	Add:S.F.@ 10% on Material =	123,693.46
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	2,953,035

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15/6/22

Junior Engineer

15/6/2022

Assistant Engineer

h, 7. 6. 22

Executive Engineer

RWD (W) Division, Triveniganj

RWD (W) Division, Triveniganj

RWD (W) Division, Triveniganj

Vide letter no 4 (सु.) विविध (कर्म) 23-291/2019-4849
dt - 07/12/2021

Technically sanctioned for rupees 29,53,035.00/-
(that is twenty nine lakh fifty three thousand
and thirty five rupees only)

11/29/06/22

Superntending 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.			In m.	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM AMBIKA MANDAL KE GHAR KE NIKAT TO DIPU PASWAN KE GHAR KAMAT KISUNGANJ SIMA							
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			6	30		3.000		0.300	162.000
CH-in			6	30		3.000		0.300	162.000
CH-in			4	30		3.200		0.300	115.200
CH-in			1	20	(9.0+8.5)/2	8.750	(1.2+1.5)/2	1.350	236.250
CH-in			4	25		3.750	(0.3+0.45)/2	0.375	140.625
CH-in			2	25		3.750		0.600	112.500
CH-in			8	30		3.75		0.300	270.000
									1198.575
						Total (in Cum)			
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		1.20		0.6	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		3.75		0.150	0.0000
			1	0		3.75		0.150	0.0000
			2	0		3.75		0.150	0.0000
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row (1000mm Dia).								
						Total (Cum)			0.000
Ch.0.00km			2	3		2.5			15.00
Ch.0.00km			2	3		2.5			15.00
Ch.0.00km			2	3		2.5			15.00
									15.00
						Total (in m)			45.00

APR
15/6/22
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Sub
1st location
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G. A. G. C. C.
Executive Engineer
Rural Works Department
Work Division, Triveniganj

Estimate of Flood affected Road

NAME OF ROAD :- **AMBKA MANDAL KE GHAR KE NIKAT TO DIPU PASWAN KE GHAR** BLOCK :- **CHHATAPUR**
KAMAT KISUNGANJ SIMA

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.	1198.58	Cum	1922.87	2304713.52
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.	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).	45.00	m	4425.07	199128.15
		Total			Rs.	2503841.67

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Executive Engineer
Rural Works Department
Work Division, Triveniganj

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM AMBIKA MANDAL KE
NAME OF ROAD :- GHAR KE NIKAT TO DIPU PASWAN KE GHAR KAMAT KISUNGANJ SIMA
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	1198.58	Cum	1032.00	1236934.56
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
						0.00
		Seigniorage Fees @10% of Basic Amount			TOTAL	1236934.56
					Say	123693.46

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G.H.G.
Executive Engineer
Rural Works Department
Work Division, Trivenigani

Bill of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY
RESTORATION OF ROAD FROM AMBIKA MANDAL
KE GHAR KE NIKAT TO DIPU PASWAN KE GHAR
KAMAT KISUNGANJ SIMA

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.	1198.58	Cum	1922.87	2304713.52
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 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.	45.00	m	4425.07	199128.15
					Say	2503841.67
		Seigniorage Fees				190000.00
		Add @12% GST				300461.00
		Add @1% Labour Cess				25038.42
						3019341.09
					Say	3019341.00

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Executive Engineer
Rural Works Department
Work Division, Trivenigani