## SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF

ROAD FROM AMBIKA MANDAL KE GHAR KE NIKAT TO NAME OF ROAD :-

DIPU PASWAN KE GHAR KAMAT KISUNGANI SIMA

DIVISION: TRIVENIGANI

BLOCK:-**CHHATAPUR** 

2.630 Km Actual Length of Road :-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	199,128.1
	Total Cost =	2,503,841.6
	Add:-Labour Cess @1% amt. =	25,038.4
	Add:GST@12% on amt. =	300,461.0
	Add:S.F.@ 10% on Material =	123,693.4
	TOTAL RESTORATION COST OF THE PROJECT IN LAC	5 2,953,03

15/6/22

**Junior Engineer** 

Assistant Engineer

**Executive Engineer** 

RWD (W) Division, Triveniganj

RWD (W) Division, Triveniganj

RWD (W) Division, Trivenigani

Vide letter 130 off 4 (150) Talay (50m) 23-291/2019-4849 elf-07/12/2021

Technically functioned for suspess 29,53,035,00/-

Superintending Engineer **Rural Works Department** Works Circle Madher

				De	tails o	f Mea	surem	ent					
										पैमाईस			1
कार्य का ब्यौरा Deatail of Work			सख्या No.			रिडाई n m.		In m.	मात्रा				
NAME OF R	OAD :-	DETAIL	LED EST KE GIIA	IMAE FO R KE NII	R TEMP	RORY F DIPU PA	RESTOR SWAN I	ATION (E GII	OF R	OAD FR MAT K	OM AMBII ISUNGANJ	KA MAN SIMA	NDAL
Item No. 1	Sand filling	g in Founda	ation Trenc	hes as per	Drawing &	Technical	Specificat	ion					
CH:-in .						1	0	T-		0.000	T	0.40	0.000
J. 71111 .													0.000
tem No. 2	Providing slope and	and laying compacted	of Brick ba	obtained for acheive re	rom chimne equired der	ey with mansity with a	ichenical r	neans v e as pe	with all s r the dire	preading, ection of e	grading to red ngineer in cha	juired arge.	
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	(9.04	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
											l		1198.57
											otal (in Cum		
	etc. all co	mplete as p	per approve	ed desing, s	specification	n and dire	bags and ection of E/	placing 1	gincludii	ng supply	of sutli and E	C bag	
CH:-in						0	20			1.75	<u></u>	0.9	0.00
	(0.024m2	-461	-C D\			-			Total (in	r cum)			0.00
	(0.0341113	=1 no. of E	EC Bags)										0.00
tem No. 4	T				1				Total (ii	n nos.)			0.00
•	thread wit	0,07m3, w th stitching	eight of fille machine a	ed Geo bag ind generat	is 126 Kg v or stacking	with local s and placi	and includ	ting stit	ching in	four lines	ags 420g volu by approved iage with help al sand lead 0	nylon	,
CH:-in						2	0	T	9 00	1.20	ar saria icaa c	0.6	0.00
						<del>  -</del>						0.0	
	(0.076m3	=1 no. of (	Geo Bags)			1							0.00
			3-1		<del> </del>	7.1.16							0.00
tem 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)							0.00						
	Simplete	us per rec	I III SPE	T Cation (	Jause 401	Gr-II Ma							
				<u> </u>	<del> </del>	1 1	0			3.75		0.15	0.00
					+	1 2	0			3.75		0.15	
					<del> </del>		- 0	-		3.75		0.15	
tem No. 6	Providing	and Layin	g Reinforc	ed Cement	Concrete	Pipe NP3	as per de	sign in	Single F	Row(1000	mm Dia).	Total (Cu	m) 0.0
Ch.0.00km	L										/-		
Ch.0.00km					-	2	3			2.5			15
Ch.0.00km						2	3			2.5		_	15
					+	2	3			2.5			15
					1							Total (in	

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Executive Engineer
Rural Yorks Department
Work Division, Trivenigani

## **Estimate of Flood affected Road**

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

**CHHATAPUR** 

S.No	SOR NO	DESRIPTION 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 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.	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 0.07m3. 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 a per design in Single Roww(1000mm Dia).	45.00	m	4425.07	199128.15
		Total			Rs.	2503841.67

Executive Enginee Rural Jorks Department Work Division, Trivenigan

## Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM AMBIKA MANDAL KE
BLOCK :- CHHATAPUR

S.No	SOR NO	DESKII HON OF HEARS	QTY	UNIT	DATE	
1/1	12.3	Sand filling in Foundation Trenches as per Drawing &	4.1	UNII	RATE	AMOUNT
	-	Technical Specification Sand				
2/2	A/R	Providing & laying Brick Bat	0.00	Cum	116.85	0.00
		Providing and laying of Brick bat obtained from chimney				
		with machenical means with all spreading, grading to				
	1	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	C	4000.00	
		Labour filling empty cement bags with loocal sand,	1190.56	Cum	1032.00	1236934.56
3/7	5.7.40.1	stricting the bags and placing including supply of subt				
		land EC bag etc. all complete as per approved design	1			
		specification and direction of E/I				
		Sand	0.00	Cum	116.85	0.00
		Providing, laying and filling Geo bags of size 1m X 0.7			110.00	0.00
		In (Type A 300 GSM nonwoven) weight of bags 420-	1			
		Two differences and Dag U.O/m3, weight of filled Goo bons				
4/8	5.7.40.2	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				
- 1		Complete as per specifications and direction of E/I				
		(including Carriage of Local sand lead 0.5 km)				
-7		Sand	0.00	Cum	440.05	
1		Construction of granular sub-base by providing well	0.00	Cum	116.85	0.00
1		graded material, spreading in uniform layers with tractor				
5/9	404	Injourned grader arrangement on prepared surface				
3/9	401	mixing by mix in place method with rotavator, at OMC				
- 1		and compacting with smooth wheel roller to achieve the				
1		desired density, complete as per Technical Specification				
		Ciduse 401.				
$\dashv$	_	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				
1		53 mm to 9.5mm @ 50 percent	180.00	Cum	F10.40	
+		9.5 mm to 2.36 mm @ 20 percent	72.00	Cum	516.42	92955.60
1		2.36 mm below @ 30 percent (coarse Sand Screening)	108.00	Cum	411.33	29615.76
1		Cost for 300 cum = a			185.94	20081.52
+		Rate psr Cum = (a)/300	-	C		142652.88
+		200	0.00	Cum		475.51
1		GSB Gr-II	0.00	Cum	475.51	0.00
-						0.00
		Seigniorage Fees @10% of Basic Amount	i.		TOTAL	1236934.56
			1		Say	123693.46

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Executive Engineer
Rural Jorks Department
Work Division, Trivenigani

## Bill of Quantity

DETAILED ESTIMAE FOR TEMPRORY
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	DESRIPTION 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 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.	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 0.07m3. 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.	45.00	m	4425.07	199128.15
-		Colorina			Say	2503841.67
-		Seigniorage Fees Add @12% GST				190000.00
-		Add @1% Lebour Cess				300461.00
_		, no (8) to reposit (1822)				25038.42
-		557868C				3019341.09
		1 1855 at 1			Say	3019341.00

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Executive Engineer
Rural Yorks Department
Work Division, Trivenigani