## SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF

ROAD FROM NH-57 YADAV TOLA TO PASWAN TOLA -2722

NAME OF ROAD :-

TRIVENIGANJ DIVISION:-

BLOCK :-

**CHHATAPUR** 

Actual Length of Road:-

1.000 Km

Flood Affected Length of Road :-

0.432 Km

	Description	Amount (In Rs.)
Sr. No.	Descrip us	-
1	SAND BAG	927,592.49
2	BRICK BATS	-
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	60,629.87
6	HUME PIPE Total Cost =	
	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

**Junior Engineer** RWD (W) Division, Triveniganj

RWD (W) Division, Triveniganj RWD (W) Division, Triveniganj

**Executive Engineer** 

Vide Letter 70 31 Aro-4 (70) Paraer (302) 23-291/2019-4849 dt-07/12/2021

Technically Soroctioned for Ry 1166475.00}

(that is Eleven Locks Sixty sin thousand four hunchow

Seventy five only)

29/06/20

Superintending Enginee Rural Works Departmen Works Circle Madher

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		र्य का स्यौरा stail of Work				संख्या No.	लम्बाई in m.		यौड़ाई In m.	In n	n.	मात्रा
		DETA	LEDEST	IMAE FO	RTEM	PRORY	RESTOR	ATION OI	ROAD	FRO	M NH	-57
AME OF R	OAD :-	DETA	LED EST	YAD	AV TO	LA TO P	ASWAN'	TOLA -272	.2			
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l						1 1	0		4.200	0.	40	0.000
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H:-in						5	30		2.50	0	.30	112.50
H:-in						2	30		3.20	-	.60	115.20
H:-in						1	30		1.00		0.45	13.50
H:-in		.,				5	30		1.50	0	0.30	67.50
CH:-in						1	30		8.50	0	0.60	153.00
CH:-in						11	12	(9+7.5)/2	8.25	0	0.60	59.40
	1	LESS PIPE					4X2X0.79	K1.23X0.622				-4.800
							T		Total (	in Cı	um)	482.400
	Labour fil and EC b	ling empty o ag etc. all c	ement bage omplete as	s with looca per approve	I sand, sti ed désing	, specifica	ation and di	placing inclu rection of E/	ding supp		sutli	
tem No. 3	and EC b	ag etc. all c	omplete as	s with looca per approve	i sand, sti ed désing	tching the , specifica 0	ation and di	placing inclurection of E/	ding supp			0.00
	and EC b	ling empty o ag etc. all c	omplete as	s with looca per approve	I sand, sti ed desing	, specifica	ation and di	rection of E/	ding supp		sutli	0.00
	(0.034m:	3=1 no. of E	C Bags) filling Geo 0.07m3. we lon thread of	bags of size	e 1m X 0. Geo bag g machin vithin 150	o 7 m(Type s 126 Kg e and gen m lead all	A 300 GSN with local sterator stace	rection of E/	ding supple 1.1.75 1.1.75 2.1.2.2.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.	bags	0.9 s 420g	0.00 0.00 0.00
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CH:-in	Providing volume of lines by a unloading direction	ag etc. all c 3=1 no. of E g,laying and of filled bag ( approved ny g and carria of E/I (inclu	C Bags)  filling Geo 0.07m3. we lon thread of ge with help ding Carria	bags of size	e 1m X 0. Geo bag g machin vithin 150	7 m(Type s 126 Kg e and gen m lead all d 0.5 km)	A 300 GSN with local serator stace complete a	Total (in cun  Total (in nos  A nonwoven)  and includin king and pla	ding suppil 1.1.75 1) weight of g stitching cing after fications a	bags in fo loadi	0.9 s 420g our ing	0.00 0.00 0.00 0.00
CH:-in	Providing volume of lines by a unloading direction	3=1 no. of E g,laying and of filled bag of approved ny g and carria	C Bags)  filling Geo 0.07m3. we lon thread of ge with help ding Carria	bags of size	e 1m X 0. Geo bag g machin vithin 150	7 m(Type s 126 Kg e and gen m lead all d 0.5 km)	A 300 GSN with local serator stace complete a	Total (in cun Total (in nos A nonwoven) and includin king and pla as per specif	ding suppil 1.1.75 1) 2 weight of g stitching cing after fications a 3.00	bags in fo loadi	0.9 s 420g our ing	0.00 0.00 0.00 0.00 0.00
CH:-in Item No. 4 CH:-in	Providing volume of lines by a unloading direction	ag etc. all c 3=1 no. of E g,laying and of filled bag ( approved ny g and carria of E/I (inclu	C Bags)  filling Geo 0.07m3. we lon thread of ge with help ding Carria	bags of size	e 1m X 0. Geo bag g machin vithin 150	7 m(Type s 126 Kg e and gen m lead all d 0.5 km)	A 300 GSN with local serator stace complete a	Total (in cun  Total (in nos  A nonwoven)  and includin king and pla	ding suppil 1.1.75 1) 2 weight of g stitching cing after fications a 3.00	bags in fo loadi	0.9 s 420g our ing	0.00 0.00 0.00 0.00
CH:-in	Providing volume of lines by a unloading direction  (0.076m3	g,laying and of filled bag of approved ny g and carria of E/I (inclused in the carria) and carria of the carria of	filling Geo 0.07m3. we lon thread of ge with help ding Carria  Geo Bags)  ular sub-bal grader arr MC, and con	bags of size ight of filled with stitchin of trolley was of Local asse by proving angement of mpacting with stitching of the stitching of the stitching of the stitching of the stitching with stitching	e 1m X 0. Geo bag g machin vithin 150 sand lead	7 m(Type s 126 Kg e and ger m lead all d 0.5 km)  2  graded m ed surface h wheel ause 401.	A 300 GSN with local sterator stact complete at the complete a	Total (in nos  I nonwoven) and includin king and pla as per specif	ding suppil  .1.75  weight of g stitching cing after fications a  .3.00  as.)	bags in folloadind	sutli  0.9  s 420g  our  ing	0.00 0.00 0.00 0.00 0.00 0.00
CH:-in Item No. 4 CH:-in	Providing volume of lines by a unloading direction  (0.076m3	g,laying and of filled bag of approved ny g and carria of E/I (inclused in the content of grant tor mounted evator at ON	filling Geo 0.07m3. we lon thread of ge with help ding Carria  Geo Bags)  ular sub-bal grader arr MC, and con	bags of size ight of filled with stitchin of trolley was of Local asse by proving angement of mpacting with stitching of the stitching of the stitching of the stitching of the stitching with stitching	e 1m X 0. Geo bag g machin vithin 150 sand lead	7 m(Type s 126 Kg e and gen m lead all d 0.5 km)  2 graded med surface h wheel	A 300 GSN with local serator stace complete and complete	Total (in nos  I nonwoven) and includin king and pla as per specif	ding supplements of the suppleme	bags in fo loadi and	0.9 s 420g our ing	0.00 0.00 0.00 0.00 0.00 0.00
CH:-in Item No. 4 CH:-in	Providing volume of lines by a unloading direction  (0.076m3  Construction with traction with rotation density,	ag etc. all c  3=1 no. of E  a, laying and of filled bag of approved ny g and carria of E/I (inclu  3=1 no. of C  ction of gran tor mounted vator at ON complete as	filling Geo 0.07m3. we clon thread of the ding Carria ding Carria deo Bags)  ular sub-bal grader arr MC, and cooks per Techr	bags of size ight of filled with stitchin p of trolley was by proving a see by proving angement of mpacting whical Specifical specif	e 1m X 0. Geo bag g machin vithin 150 sand lead	7 m(Type s 126 Kg e and ger m lead all d 0.5 km)  2  graded m ed surface h wheel ause 401.	A 300 GSN with local sterator stact complete attending spread of the complete sterators at the complete sterator stact complete attending spread of the complete sterators at	Total (in nos  I nonwoven) and includin king and pla as per specif	ding supple 1.1.75  1.1.75  2.2 weight of g stitching cing after fications a 3.00  2.3 s.)  2.4 different layer are method estred	bags in folloadind	0.9 s 420g our ing 1.5	0.00 0.00 0.00 0.00 0.00 0.00
CH:-in  Item No. 4  CH:-in	Providing volume of lines by a unloading direction  (0.076m3  Construction with traction with rotation density,	ag etc. all c  3=1 no. of E  a, laying and of filled bag of approved ny g and carria of E/I (inclu  3=1 no. of C  ction of gran tor mounted vator at ON complete as	filling Geo 0.07m3. we lon thread we ge with help ding Carria  Geo Bags)  ular sub-bal grader arr MC, and con s per Techr g Reinforce	bags of size ight of filled with stitchin p of trolley was by proving a see by proving angement of mpacting whical Specifical specif	e 1m X 0. Geo bag g machin vithin 150 sand lead iding well on prepar ith smoot	7 m(Type s 126 Kg e and ger m lead all d 0.5 km)  2  graded m ed surface h wheel ause 401.	A 300 GSN with local sterator stact complete attending spread of the complete sterators at the complete sterator stact complete attending spread of the complete sterators at	Total (in nos A nonwoven) and includin king and pla as per specif  Total (in nos reading in un y mix in place hieve the de erial)	ding supple 1.1.75  1.1.75  2.2 weight of g stitching cing after fications a 3.00  2.3 s.)  2.4 different layer are method estred	bags in folloadind	0.9 s 420g our ing 1.5	0.00 0.00 0.00 0.00 0.00 0.00

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Executive Engineer
Rural /orks Department
Work Division, Trivenigani

## Estimate of Flood affected Road

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

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.	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		Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	15.00	m	4041.99	60629.87
$\neg$		Total			Rs.	988222.36

Executive Engineer Rural Jorks Department Wark Division, Trivenigani

## Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM NH-57 YADAV TOLA TO

NAME OF ROAD :- PASWAN TOLA -2722

BLOCK :- CHHATAPUR

	CORNO	DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
S.No	SOR NO	Sand filling in Foundation Trenches as per Drawing &		3		
1/1	12.3	Technical Specification	0.00	Cum	116.85	0.00
		Sand	0.00			
2/2	A/R	Providing & laying Brick Bat				
		Providing and laying of Brick bat obtained from chimney				1
	ı	with machenical means with all spreading, grading to			1	
		required slope and compacted at OMC to acheive			l l	
	1	required slope and competers as per the direction		ŀ		
		of engineer in charge.	482.40	Cum	1032.00	497836.80
		Brick Bats				
		Labour filling empty cement bags with loocal sand,		1 1	1	
3/7	5.7.40.1	stitching the bags and placing including supply of sutil		1 1	1	
3//	3.7.40.1	and EC bag etc. all complete as per approved desing, specification and direction of E/I				
			0.00	Cum	116.85	0.00
		Sand				
	i	Providing, laying and filling Geo bags of size 1m X 0.7				
	1	Im/Type A 300 GSM nonwoven) weight of pags 4209	1	1	1	
	1	volume of filled bag 0.07m3, weight of filled Geo bags				
	1	126 Kg with local sand including stitching in four lines by	1			
4/8	5.7.40.2	approved nylon thread with stitching machine and generator stacking and placing after loading unloading	l			
		and carriage with help of trolley within 150m lead all				
		complete as per specifications and direction of E/I	1	-		
		(including Carriage of Local sand lead 0.5 km)			ė.	
			0.00	Cum	116.85	0.00
		Sand	0.00	1 00	1,10.00	
1		Construction of granular sub-base by providing well	1	1	-16	
1		graded material, spreading in uniform layers with tractor		1 5 9 16	A TOTAL	A series
		mounted grader arrangement on prepared surface,				
5/9	401	mixing by mix in place method with rotavator at OMC,	1			<b>=</b>
		and compacting with smooth wheel roller to achieve the				
1		desired density, complete as per Technical Specification	1	1		of co
		Clause 401.		<del></del>		
l		For Grading II Material (with Coarse Sand Screening)				
		Unit = Cum			<u> </u>	
		Taking output = 300 cum				
	A., L.	Coarse graded granular sub-base material as per Table	ŕ			
		400.2				
_		53 mm to 9.5mm @ 50 percent	180.0	0 Cum	516.42	92955.60
		9.5 mm to 2.36 mm @ 20 percent	72.0	Cum	411.33	29615.76
-		2.36 mm below @ 30 percent (coarse Sand Screening)	108.0	0 Cum	185.94	20081.52
$\dashv$		Cost for 300 cum = a	_		-	142652.88
		Rate psr Cum = (a)/300		Cum		475.51
-		Rate psr Cum = (a)/300	0.00			0.00
		COD Coll		_	Y <sub>1</sub>	0.00
_		GSB Gr-II			TOTAL	
	. 3 5					
1.0		Seigniorage Fees @10% of Basic Amount		L	Say	49783.6

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Executive Engineer
Rural Jorks Department
Next Bivision, Trivenigani

## **Bill of Quantity**

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

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		<b> </b>		
12		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.	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 0.07m3. 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
5/6	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		20		49783.68
		Add @12% GST	1		a a	118586.68
		Add @1% Lebour Cess				9882.22
$\dashv$						1166474.95
-+				i se u	Say	1166475.00

15/6/22

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Executive Engineer
Rural forks Department
Work Bivision, Trivenigani