## SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF

NAME OF ROAD :- ROAD FROM BSARIYA PUL SE MD GANJ SIMA HOUSE OF

**RAVION THAKUR** 

DIVISION: TRIVENIGANJ

BLOCK :- CHHATAPUR

Actual Length of Road :- 2.700 Km

Flood Affected Length of Road :- 0.400 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	1,044,887.56
3	EC BAG	-
4	GEO BAG	_
5	GRANULAR SUB BASE	-
6	HUME PIPE	121,259.74
	Total Cost =	1,166,147.30
	Add:-Labour Cess @1% amt. =	11,661.47
ķ	Add:GST@12% on amt. =	139,937.68
	Add:S.F.@ 10% on Material =	56,078.88
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,373,825

Junior Engineer
RWD (W) Division, Triveniganj

Assistant Engineer RWD (W) Division, Triveniganj

Executive Engineer
RWD (W) Division, Trivenigani

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Hundred twenty fife suspers only.)

Superintending Engineer

Rural Works Department

Works Circle Madher

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कार्य का ब्यौरा Deatail of Work					संख्या No.	लम्बाई in m.	चौड़ाई In m	' 1	n m.	मात्रा Quantity		
		DETA	ILED ES	TIMAE F	OR TEM	PRORY	RESTO	PRATIC	N OF	ROAD	FROM	7
IAME OF R	ROAD :-	I	BSARIYA	PULSE	MD GAN	J SIMA	HOUSE	OF RA	VION	THAK	UR	
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	spreading	, grading t	o required	slope and co	ompacted	at OMC to	o acheive	required	d density	with		1
	all comple	ete as per t	he direction	n of engine	er in charg	е.					050.4	-
						5	30		3.8	0.5	253.1	
						5	30		3.8	0.3	168.8	
		1					30		1.5	0.3	67.5	
						5	30		1.2	0.3	54.0	_
CH:-in						5		<u> </u>	1.2	<u> </u>	543.4	
							-		Total (ir	Cum)	543.4	-
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Item No. 3	Labour fi	lling empty	cement b	ags with look	cal sand, s	stitching th	ne bags a	necificati	on and	direction		
	of E/I	suth and t	EC bag etc	c. all complet	te as per a	ipproved	Jesing, o	pcomoan	0., 2., 2			
	IOI E/I											
CH:-in						0	2	0	1.75	0.9	0.00	
CH:-in			IF A			0		otal (in c		0.9	0.00	)
CH:-in	(0.034m	3=1 no. of	f EC Bags	)		0				0.9	0.00	)
CH:-in		3=1 no. of					To	otal (in co	um) os.)		0.00	)
CH:-in	4 Providing of bags including stacking all company of the company	g,laying ar 420g volur g stitching	nd filling Go me of filled in four line	eo bags of s bag 0.07m3 s by approveding unload tions and dir	3. weight o ed nylon tl ling and ca	0.7 m(Typ	To e A 300 ( o bags 1 o stitching	otal (in contact (in notal	os.) nwoven) ith local e and g	weight sand enerator	0.00	)
Item No.	Providing of bags including	g,laying ar 420g volur g stitching	nd filling Go me of filled in four line	eo bags of s bag 0.07m3	3. weight o ed nylon tl ling and ca	).7 m(Typ if filled Ge inread with arriage with	To e A 300 ( o bags 1 o stitching th help of	otal (in contact (in notal	os.) nwoven) ith local e and g	weight sand enerator	0.00	0
	4 Providing of bags including stacking all company of the company	g,laying ar 420g volur g stitching	nd filling Go me of filled in four line	eo bags of s bag 0.07m3	3. weight o ed nylon tl ling and ca	0.7 m(Typ	To e A 300 ( o bags 1 o stitching th help of	otal (in contact (in notal	os.) nwoven) ith local e and g vithin 15 ocal san	weight sand enerator 60m lead id lead 0	0.00	0
Item No.	Providing of bags including stacking all complements (mm)	g,laying ar 420g volur g stitching g and placi blete as pe	nd filling Gome of filled in four line ng after loar specifica	eo bags of s bag 0.07m3 s by approveding unload tions and dir	3. weight o ed nylon tl ling and ca	).7 m(Typ if filled Ge inread with arriage with	To e A 300 ( o bags 1 o stitching th help of	otal (in contact (in notal	os.) nwoven) ith local e and g vithin 15 ocal san	weight sand enerator 60m lead id lead 0	0.00	000
Item No.	Providing of bags including stacking all complements (mm)	g,laying ar 420g volur g stitching	nd filling Gome of filled in four line ng after loar specifica	eo bags of s bag 0.07m3 s by approveding unload tions and dir	3. weight o ed nylon tl ling and ca	).7 m(Typ if filled Ge inread with arriage with	To e A 300 (o bags 1 a stitching th help of ing Carria	otal (in co otal (in n GSM nor 26 Kg wi g machin f trolley w age of Lo	os.) nwoven) th local e and g vithin 15 ocal san 3.00	weight sand enerator 60m lead id lead 0	0.00 0.00 0.00	00 00 00
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Executive Engineer
Rural Jorks Department
Work Division, Trivenigani

## **Estimate of Flood affected Road**

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BLOCK :-BSARIYA PUL SE MD GANJ SIMA HOUSE OF RAVION THAKUR

**CHHATAPUR** 

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.	543.40	Cum	1922.87	1044887.56
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 aper design in Single Roww(1000mm Dia).	30.00	) m	4041.99	121259.74
L		Total			Rs.	1166147.30

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executive Engineer

Aural Jorks Department Work Division Trivenigani

## **Bill of Quantity**

DETAILED ESTIMAE FOR TEMPRORY

NAME OF ROAD :- RESTORATION OF ROAD FROM BSARIYA PUL SE

MD GANJ SIMA HOUSE OF RAVION THAKUR

BLOCK :-

CHHATAPUR

DISTRICT :-

SUPAUL

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.	543.40	Cum	1922.87	1044887.56
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 th desired density, complete as per Technical Specificatio Clause 401.	0.0	0 Cum	3010.6	0.00
6/6	9.3	Providing and Laying Reinforced Cement Concrete Pip NP3 as per design in Single Row.	e 30	.00 m	4041.	99 121259.74
					Sa	y 1166147.30
		Seigniorage Fees				56078.88
		Add @12% GST				139937.68
		Add @1% Lebour Cess				11661.47
						1373825.3
					S	ay 1373825.0

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Executive Engineer Tural forks Department Work Division, Trivenigani

## Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BSARIYA PUL SE MD

NAME OF ROAD :- GANJ SIMA HOUSE OF RAVION THAKUR

BLOCK :-

CHHATAPUR

S.No	SOR NO	DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
	12.3	Sand filling in Foundation Trenches as per Drawing &				
1/1	12.5	Technical Specification	0.00	Cum	116.85	0.00
	A /D	Sand	0.00	Cum	110.00	
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.			1000.00	560788.80
		Brick Bats	543.40	Cum	1032.00	500766.60
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				0.00
		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)				
7		Unit = Cum				
$\neg \uparrow$		Taking output = 300 cum				
	filer L	Coarse graded granular sub-base material as per Table 400.2		al.		
		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
1		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
1			0.00	Cum	475.51	0.00
1	1 2	GSB Gr-II				0.00
					TOTAL	560788.80
-		Seigniorage Fees @10% of Basic Amount			Say	56078.88

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Adapto horr

17.6. L

Executive Engineer

Rural Forks Department

Work Division, Trivenigani