SUMMARY OF COST ESTIMATE FOR THE PROJECT

-					A E EOD E			
	NAME OF ROAD:- DETAILED ESTIMAE FOR TEMPRORY REST					TORATION OF		
	DIVISION :- TRIVENIGANI							
	BLOCK :- CHHATAPUR							
	Actual Length of Road :- 5.000 Km						_	
Flood A	ffected Lengt	:-	450.000 Km				_	
								_
			1					
Sr. No.	Sr. No. Description 1 SAND BAG 2 BRICK BATS						Amount (In Rs.)	
1							259,456.5540	
2							973,452.94	_
3	EC BAG						770,132.74	-
4	4 GEO BAG							-
5	5 GRANULAR SUB BASE							\vdash
6								┝
						Total Cost =	1,994,977.74	\dagger
6 1 2 158	Add:-Labour Cess @1% amt. =							\dagger
	Add:GST@12% on amt. = Add:S.F.@ 10% on Material =						19,949.78 239,397.33	1
							69,802.50	4
	TOTA	L RESTORA	TIC	ON COST OF TH	IE PROJE	CT IN LACS		+

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Junior Engineer RWD (W) Division, Triveniganj Assistant Engineer

RWD (W) Division, Trivenigani Chalapur M17.6.2

Executive Engineer RWD (W) Division, Triveniganj

Vide letter 150 31/10 4(150) AAu (014) 23-291/2019-4849
dt 07/12/2021

Technically Sanctioned for surpers 23,24,127.00.

(tell is twenty three Laten twenty four-thousand and one throndood two only seven unly)

Superintending Engineer
Aural Works Department

Worke Circle Midwell

Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM NH 57 TO NONIYA TOLA BLOCK :- CHHATAPUR

		DESRIPTION OF ITEMS	QTY	UNIT	1	RATE	AMOUNT
No	SOR NO	Sand filling in Foundation Trenches as per Drawing &			1		
1/1	12.3	Sand filling in Foundation Trenches as per Brand			-		
1/1	12.2	Technical Specification	472.50	Cum	1	16.85	55211.63
_		Sand Providing & laying Brick Bat			-		
2/2	A/R	Providing and laying of Brick bat obtained from chimney				1	
		with machenical means with all spreading, grading to			1		
- 1		required slope and compacted at OMC to acheive			1		
		required slope and compacted at the direction required density with all complete as per the direction		1			
١						" jayle	п .
		of engineer in charge.	506.25	Cum	1	032.00	522450.00
_		Brick Bats Labour filling empty cement bags with loocal sand,					,
3/7	5.7.40.1	stitching the bags and placing including supply of suill and EC bag etc. all complete as per approved desing,					
		specification and direction of E/I	0.00	Cur	+-	110.05	0.00
		Sand	0.00	Cun	' - -	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	Cui	n	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.					2.
		For Grading II Material (with Coarse Sand Screening)					12.3
		Unit = Cum			7		3.71
	~	Taking output = 300 cum					77.00
	_ " _1	Coarse graded granular sub-base material as per Table 400.2				***************************************	
		53 mm to 9.5mm @ 50 percent	180.	00 C	um	516.42	92955.60
	ļ	9.5 mm to 2.36 mm @ 20 percent	72.0	00 C	um	411.33	29615.76
		2.36 mm below @ 30 percent (coarse Sand Screening)	108.	00 C	um	185.94	20081.52
		Cost for 300 cum = a					142652.88
()		Rate psr Cum = (a)/300		C	um		475.51
			253	_	um	475.51	
		GSB Gr-II				1.5.51	120363.37
		and the second s	_	\dashv		TOTAL	
7		Seigniorage Fees @10% of Basic Amount	_	_		Say	- 698024,99 69802.50

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Executive Engineer
Rural Jorks Department
Work Division, Trivenigani

		De	tails of	Meas	Suicin						1
		1					ाईस -				7
	तर्य का ब्यौरा eatail of Work		. संख्या No.	लम्बाई in m.		चौः In		lı	n m.	मात्रा Quanti	
ME OF ROAD :-	DETAILED ESTIM					ION OF ROA	D FROM	NH 57 TO NO	NIYA T	OLA	
n No. 1 Sand filli	ng in Foundation Trenches as p	per Drawing	& Technical	Specifica	ation				A		
			3	30.0)		3.50		0.60	189	.0
			3	30.			3.50		0.60	189	
t:-in .			1	30.	0		3.50		0.90	94.5	
m No. 2 Providin	ng and laying of Brick bat obtain ted at OMC to acheive require	ned from chir d density wit	nney with m h all comple	achenica te as per	al means v	with all spreading tion of engineer	iii cilaige.	required slope ar	nd	472.	500
H:-in			3	30	0.0		3.750		0.300	101	.250
H:-in			3		0.0		3.750		0.600	202	2.500
H:-in			3	30	0.0		3.750		0.600	20:	2.500
				4						50	6.250
	r filling empty cement bags with							Total (in Cum)		50	8.250
								-			
	In 2-4 pg of EC Doca)		2		0	Total	2 (in cum)	L	0.6		0.00
(0.034	im3=1 no. of EC Bags)		2		0 [I	0.6		
(0.034 tern No. 4	im3=1 no. of EC Bags)						(in cum)		0.6	3	0.00
(0.034 tern No. 4	im3=1 no. of EC Bags)			2	0		(in cum)			3.5	0.00
(0.034 em No. 4 CH:-in	A						(in cum)				0.00 0.00 0.00
(0.034 tem No. 4 CH:-in	im3=1 no. of EC Bags) 6m3=1 no. of Geo Bags)						(in cum)				0.00 0.00 0.00 0.00 0.00 0.00
CH:-in (0.076 Item No. 5 Constract OMC	A	ent on prepa h wheel rol	well graded red surface, ler to achiev	2 I materia	0	Total Total	(in nos.) (in nos.) 3.00	at			0.00 0.00 0.00
(0.034 tern No. 4 CH:-in (0.076 ttem No. 5 Cons	5m3=1 no. of Geo Bags) struction of granular sub-base or mounted grader arrangemed, and compacting with smooth	ent on prepa h wheel rol	well graded red surface, ler to achiev	d materia mixing t re the de	o al, spreadi by mix in p esired den 30.0	Total Total	(in nos.) (in nos.) 3.00			1.5	0.00 0.00 0.00 0.00 0.00 0.00
(0.034 em No. 4 CH:-in (0.076 Item No. 5 Constract OMC	5m3=1 no. of Geo Bags) struction of granular sub-base or mounted grader arrangemed, and compacting with smooth	ent on prepa h wheel rol	well graded red surface, ler to achiev	2 materia mixing the the de 3 3 3	0 al, spreading mix in pesired den 30.0 30.0	Total Total	(in cum) (in nos.) 3.00 yers with the rotavator is per 3.7 3.7	5			0.00 0.00 0.00 0.00 0.00 0.00
(0.034 em No. 4 CH:-in (0.076 Item No. 5 Constract OMC	5m3=1 no. of Geo Bags) struction of granular sub-base or mounted grader arrangemed, and compacting with smooth	ent on prepa h wheel rol	well graded red surface, ler to achiev	2 I materia mixing to the the de 3 3 3 3 3 3	0 al, spreadiny mix in pesired den 30.0 30.0 30.0	Total Total	(in cum) (in nos.) 3.00 yers with the rotavator is per 3.7 3.7 3.7	5 5 5		0.15 0.15 0.15	0.00 0.00 0.00 0.00 0.00 0.00 0.00 50.6 50.6
(0.034 tern No. 4 CH:-in (0.076 ttem No. 5 Cons	5m3=1 no. of Geo Bags) struction of granular sub-base or mounted grader arrangemed, and compacting with smooth	ent on prepa h wheel rol	well graded red surface, ler to achiev	2 materia mixing the the de 3 3 3	o al, spreadiny mix in pesired den 30.0 30.0 30.0 30.0	Total Total	(in cum) (in nos.) 3.00 yers with the rotavator is per 3.7 3.7 3.7	5 5 5 75		0.15 0.15 0.15 0.15	0.00 0.00 0.00 0.00 0.00 0.00 0.00 50.6 50.6
(0.034 em No. 4 CH:-in (0.076 Item No. 5 Constract OMC Tech	struction of granular sub-base or mounted grader arrangemet, and compacting with smoot nnical Specification Clause 40	ent on prepa h wheel rol 1.(Gr-II Mat	well graded red surface, ler to achiev	d material mixing to the details and a second secon	al, spreadi by mix in p esired den 30.0 30.0 30.0 30.0	Total ng in uniform lay lace method with sity, complete a	(in cum) (in nos.) 3.00 yers with the rotavator is per 3.7 3.7 3.7 3.7 3.7	5 5 5 75		0.15 0.15 0.15 0.15 0.15	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
(0.034 em No. 4 CH:-in (0.076 Item No. 5 Constract OMC Tech	5m3=1 no. of Geo Bags) struction of granular sub-base or mounted grader arrangemed, and compacting with smooth	ent on prepa h wheel rol 1.(Gr-II Mat	well graded red surface, ler to achiev	d material mixing to the details and a second secon	al, spreadi by mix in p esired den 30.0 30.0 30.0 30.0	Total ng in uniform lay lace method with sity, complete a	(in cum) (in nos.) 3.00 yers with the rotavator is per 3.7 3.7 3.7 3.7 3.7	5 5 5 75		0.15 0.15 0.15 0.15	0.00 0.00 0.00 0.00 0.00 0.00 0.00 50.6 50.6
(0.034 tem No. 4 CH:-in (0.076 Item No. 5 Constract OMC Tech	struction of granular sub-base or mounted grader arrangeme 2, and compacting with smoot inical Specification Clause 40 viding and Laying Reinforced	ent on prepa h wheel rol 1.(Gr-II Mat	well graded red surface, ler to achiev	d material mixing to the details and a second secon	al, spreadi by mix in p esired den 30.0 30.0 30.0 30.0	Total ng in uniform lay lace method with sity, complete a	(in cum) (in nos.) 3.00 yers with the rotavator is per 3.7 3.7 3.7 (1000mm [5 5 5 75		0.15 0.15 0.15 0.15 0.15	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

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Executive Engineer
Rural Jorks Department
Work Division, Trivenigan

Estimate of Flood affected Road

BLOCK :-

CHHATAPUR

NAME OF ROAD :-

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

.No	SOR NO	DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	472.50	Cum	549.11	259456.55
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.	506.25	Cum	1922.87	973452.94
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.	253.125	Cum	3010.64	762068.25
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 a per design in Single Roww(1000mm Dia).	s 0.00	m	4041.99	0.00
		Total			Rs.	1994977.74

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Rural Jorks Department Work Division, Trivenigani

Bill of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY
RESTORATION OF ROAD FROM NH 57 TO NONIYA
TOLA

BLOCK :-

CHHATAPUR

DISTRICT :-

SUPAUL

		OF ITEMS	QTY	UNIT	RATE	AMOUNT
No	SOR NO	DESRIPTION OF ITEMS Sand filling in Foundation Trenches as per Drawing &	472.50	Cum	549.11	259456.55
	301.5	Sand filling in Foundation Trenches as positive				
1/1		Technical Specification Providing & laying Brick Bat				
2/2	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.	506.25	Cum	1922.87	973452.94
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.	253.1 e	3 Cum	3010.64	762068.25
6/6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	0.00) m	4041.99	0.00
					Say	1994977.74
		Seigniorage Fees				69802.50
		Add @12% GST				239397.33
		Add @1% Lebour Cess				19949.78
						2324127.35
					Say	2324127.00

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Executive Engineer Rural Yorks Department Work Division, Trivenigani