SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF

ROAD FROM RAGHUNATHPUR TO FASIYA KOTHI ROAD

NAME OF ROAD :- WITH FIVE YEAR MAINTENANCE

DIVISION: TRIVENIGANJ

BLOCK:- CHHATAPUR

Actual Length of Road :- 9.375 Km

Flood Affected Length of Road :- 0.240 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	
2	BRICK BATS	1,368,025.86
3	EC BAG	_
4	GEO BAG	
5	GRANULAR SUB BASE	938,868.08
6	HUME PIPE	121,259.74
	Total Cost =	2,428,153.69
in h	Add:-Labour Cess @1% amt. =	24,281.54
	Add:GST@12% on amt. =	291,378.44
	Add:S.F.@ 10% on Material =	88,250.41
	TOTAL RESTORATION COST OF THE PROJECT IN LAC	2,832,064

1516/22

Junior Engineer
RWD (W) Division, Triveniganj

Assistant Engineer RWD (W) Division, Frivenigan

Executive Engineer

RWD (W) Division, Triveniganj

Viole Letter 150 HATO 4 (150) AAU (051) 23-291/2019-4849 dt-07/12/2021 1 Tochnically Sourchinged for 196012011 20122 064:00/-

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Superintending Engineer
Rural Works Department
Works Circle Madher

			Deta	ils of Mea	surem	ent			
	पैनाईस								
कार्य का ब्यौरा Deatail of Work				संख्या No.	लम्बाई in m.	चौड़ाई In m	In m.	मात्रा Quantity	
NAME OF I		r	RAGHUNATI		SIYA KO AINTEN	THI ROA ANCE	D WITH I	F ROAD F	ROM
Item No. 1	Sand filling	g in Founda	ation Trenches a	as per Drawing 8	Technica	Specificat	ion		
011.1-					1	0	2.500	1.20	0.000
CH:-in .									0.000
Item No. 2	enreading	grading to	of Brick bat obta required slope direction of engi	ained from chimi and compacted neer in charge.	ney with man	achenical re acheive re	neans with a equired densi	II ty with all	
CH:-in	compiete	ao por arro			2	25	3.000	0.600	90.000
					4	30	3.200	0.300	115.200
CH:-in CH:-in					10	30	3.750	0.450	506.250
CHIII									711.450
							Total (in Cum)	711.450
CH:-in	of E/I				2	0 Tota	1.5 I (in cum)	0.45	0.00
	(0.034m3	=1 no. of E	C Bags)						0.00
Item No. 4	bags 420g including stacking a all comple	g volume o stitching in	f filled bag 0.07 four lines by appropriate the following	s of size 1m X 0 m3. weight of fil oproved nylon th nloading and ca nd direction of E	led Geo ba read with s rriage with	A 300 GSI ags 126 Kg stitching man	with local sa achine and g alley within 1	generator 50m lead	
Oll, in	km)				T	T			· · · · · · · · · · · · · · · · · · ·
CH:-in	Jkm)								
CH:-in		=1 no. of (Geo Bags)						0.00
CH:-in		=1 no. of (Geo Bags)			I	al (in nos.)		0.00
	uniform laby mix in roller to a	ayers with t place meth chieve the	ractor mounted nod with rotaval desired densit	grader arrange or at OMC, and y, complete as p	ment on p	Tot repared su	al (in nos.) rface, mixing		
	uniform laby mix in roller to a	ayers with t	ractor mounted nod with rotaval desired densit	or at OMC, and	ment on p	Tot repared su	al (in nos.) rface, mixing booth wheel cation Claus	e 0.150	0.00 311.85
	uniform laby mix in roller to a 401.(Gr-II	ayers with the place method in the place method in the place the place is a second of the place in the place	ractor mounted nod with rotaval desired densit	y, complete as p	ment on price of compaction of Technical 18	Tot repared su ng with sm cal Specifi	al (in nos.) rface, mixing nooth wheel cation Claus	e 0.150 Total (Cum)	0.00 311.85
Item No. 5	uniform laby mix in roller to a 401.(Gr-li	ayers with the place method in the place method in the place in the pl	ractor mounted nod with rotaval desired densit	or at OMC, and	ment on price of compaction of Technical 18	Tot repared su ng with sm cal Specifi	al (in nos.) rface, mixing nooth wheel cation Claus	e 0.150 Total (Cum)	311.85 311.85
CH:-in Item No. 5 Item No. 6 Ch.in	uniform laby mix in roller to a 401.(Gr-li	ayers with the place method in the place method in the place the place is a second of the place in the place	ractor mounted nod with rotaval desired densit	y, complete as p	ment on price of compaction of Technical 18	Tot repared su ng with sm cal Specifi	al (in nos.) rface, mixing nooth wheel cation Claus 3.85	e 0.150 Total (Cum)	311.85 311.85

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Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM RAGHUNATHPUR TO FASIYA KOTHI ROAD WITH FIVE YEAR MAINTENANCE

BLOCK :-

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.	711.45	Cum	1922.87	1368025.86
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 th desired density, complete as per Technical Specification Clause 401.	311.85	0 Cum	3010.64	938868.08
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 per design in Single Roww(1000mm Dia).	as 30.00	0 m	4041.99	7.7
		Total			Rs.	2428153.69

Executive Engineer Rurate forks Department Work Division, Trivenigani

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM RAGHUNATHPUR TO

NAME OF ROAD :- FASIYA KOTHI ROAD WITH FIVE YEAR MAINTENANCE

CHHATAPUR

bL	OCK :-	CHHATAPUR DESRIPTION OF ITEMS	QTY	UNIT	F	ATE	AMIC	DUNT
No	SOR NO	Sand filling in Foundation Trenches as per Drawing &				1		1
	12.3	Sand filling in Foundation Trendition	0.00	Curr	11	6.85	0.	00
1/1	12.3	Technical Specification	0.00	Cui	-			
		Sand Providing & laying Brick Bat		-				
2/2	A/R	the dead of Brick Dat Obtained in	}			1		1
		I I I I I I I I I I I I I I I I I I I				1		1
		I				1		1
_ 11		required slope and compacted at 6 miles required density with all complete as per the direction						
		of engineer in charge.	711.45	Cu	m 1	032.00	734	216.40
		To a La Dodge	1					1
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				116.85		0.00
			0.00	- 0	ım	110.05	+	0.00
		Sand					1	1
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)				116.85		0.00
		Sand	0.0	00 0	Cum	110.03	+	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.	he on					
		For Grading II Material (with Coarse Sand Screening)	_	122			- A (2)	2011
		Unit = Cum		-		2	- (8) 學	
	 	Taking output = 300 cum				-	5.	
	+	Coarse graded granular sub-base material as per Tal 400.2						92955.60
	-		1	80.00	Cum	516.	42	
		53 mm to 9.5mm @ 50 percent	7	2.00	Cum	411.	.33	29615.76
		9.5 mm to 2.36 mm @ 20 percent			C	185	94	20081.52
		2.36 mm below @ 30 percent (coarse Sand Screening	ng) 1	08.00	Cum	103		142652.88
		Cost for 300 cum = a			Cum	,	-	475.51
		Rate psr Cum = (a)/300					5.51	148287.67
		46		311.85	Cun	1 4/3	,	148287.67
		oon Call						882504.07
		GSB Gr-II	5 4				TAL	
	1	Seignlorage Fees @10% of Basic Amount			1	1 8	ay	88250.41

Executive Engines.
Rural forks Department
Work Division, Trivenigani

Bill of Quantity

DETAILED ESTIMAE FOR TEMPRORY NAME OF ROAD :- RESTORATION OF ROAD FROM RAGHUNATHPUR
TO FASIYA KOTHI ROAD WITH FIVE YEAR MAINTENANCE

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.	711.45	Cum	1922.87	1368025.86
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	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.	311.85	5 Cum	3010.64	938868.08
6	04 1	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	30.00) m	4041.99	121259.74
			- 18 M		Say	2428153.69
		Seigniorage Fees	1. 1. 1	7	The manager	88250.41
+		Add @12% GST				291378.44
+		Add @1% Lebour Cess			nales	24281.54
+	 		II			2832064.08
+-			g. – i	200	Say	2832064.00

Executive Engineer
Rural /orks Department
Work Division, Trivenigani