SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF

ROAD FROM RANI PATTI 49 RD TO DIGAMBAR JHA KE NAME OF ROAD :-

GHAR TAK

TRIVENIGANJ DIVISION:

> **CHHATAPUR** BLOCK:-

Actual Length of Road :-2.000 Km Flood Affected Length of Road :-0.175 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	476,404.50
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	181,889.62
	Total Cost =	658,294.12
	Add:-Labour Cess @1% amt. =	6,582.94
	Add:GST@12% on amt. =	78,995.29
-	Add:S.F.@ 10% on Material =	25,568.5
	TOTAL RESTORATION COST OF THE PROJECT IN LAC	S 769,44

Junior Engineer RWD (W) Division, Triveniganj

Assistant Engineer RWD (W) Division, Triveniganj

Executive Engineer RWD (W) Division, Triveniganj

Vide Letter of 3184-4 (80) tolaw (15/12) 23-291/2019-4843 Technically sometioned for Re 7,69441.00+ (Rupees elt 07/12/2021

(Seven lakh, Sinty nine thousand, four hundred

fourty one supersonly!

H/2/2/2/W

Superintending Engineer **Aural Works Department** Works Circle Mand

			D	etails o	IVICA	Surem	ent			
					संख्या	Measurement				
कार्य का ब्यौरा				No.	लम्बाई	चौड़ाई	In m.	मात्रा		
	De	eatail of V	Vork			110.	in m.	In m.		Quantity
									- DO 4 D	EDOM
		DET	AILED ES	TIMAE FO	OR TEN	IPRORY	RESTO	RATION C)F ROAD	FROM
NAME OF	ROAD :-		RANI	PATTI 49	9 RD TO	DIGAM	IBAR JH	A KE GHA	R TAK	
	4 Cand filling	og in Fou	ndation Trend	ches as per	Drawing (& Technic	al Specifica	ation		
Item No.	1 Sand IIIII	lg III r ou								
						1	0	4.200	0.40	0.000
CH:-in .							0			0.000
			ng of Brick ba	at obtained f	rom chim	nev with n	nachenical	means with	all	
Item No.	2 Providing	and layii	to required	slope and co	ompacted	at OMC to	o acheive r	required den	sity with	
	spreading	g, grading	r the direction	n of enginee	er in charc	ie.	0 40110110		,	
	all comple	ete as be	T tile di gene			4	25	3.200	0.400	128.000
CH:-in						1	25	3.200	0.300	24.000
CH:-in						2	25	8.500	0.345	146.625
CH:-in										298.625
			Less	For Pipe		18	22/7x(0	.6)2x2.5	(-)	50.868
			LCGG	1011100				Total (ii	Cum)	247.757
	I		y cement bag	ac with loop	al cond o	titabina th	- hogo 200			
tem No. 3	Labour fill	ing empt	y cement baç EC bag etc.	all complete	ai Saliu, S	niching in	e bays and	cification and	damig	
	direction of		EC bay etc.	all complete	as per a	pproved d	esing, spe	Cilication and		
CH:-in	Tairection	ILEAL				0	20	1.75	0.9	0.00
71 7. 111							Total	(in cum)		0.00
	(0.034m3=	=1 no. of	EC Bags)							0.00
							Total	(in nos.)		0.00
em No. 4	Providing,	aying an	a ming Geo	pags of size	e 1m x 0.	/ m(Type	A 300 GSI	vi nonwoven) weight	
			ne of filled ba							
	including s	titching	in four lines l	by approved	I nylon thr	ead with s	stitching ma	achine and g	generator	
			ng after loadi							
		te as per	specification	ns and direc	ction of E/	I (includin	g Carnage	of Local sar	id lead	
	0.5 km)							1 0.00	1 45	0.00
H:-in						2	0	3.00	1.5	0.00
										0.00
	(0.076m3=1	no. of	Geo Bags)	*						0.00
	(ciereme i merer des dage)					Total (in nos.)				
m No. 5 Construction of granular sub-base by prov				se by provid						0.00
iii ivo. 5		_	tractor mour		_	_		-	5 7d4 v	
			ice method v	_	_	•	•			
			ieve the des					5	= -	
			e 401.(Gr-I I		,, compie	.5 45 pci	. Join Hoal			
	Opedification	on Claus	TO 1. OI - II	material		1	Ι ο	3.2	0.160	0.00
			 				+		otal (Cum)	
m No. 6	Desvielia a -		Deinfors	d Company	onorete l	Sine NIDO	1			0.00
	-		g Reinforce	d Cement C	oncrete i	ripe NP3	as per des	ign in Single	•	
	Row(1000mm Dia).						-			
100			, <u>C</u>	h.0.00km		6	3	2.5		45.00
			. 1	1		1		, T	otal (in m)	45.00

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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 :- RANI PATTI 49 RD TO DIGAMBAR JHA KE GHAR TAK

CHHATAPUR

No	SOR NO		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.	247.76	Cum	1922.87	476404.50
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.		Cum	3010.64	0.00
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	45.00	m	4041.99	181889.62
		Total			Rs.	658294.12

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Executive Engineer Rural Jorks Department Work Division, Trivenigani

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM RANI PATTI 49 RD TO

NAME OF ROAD :- DIGAMBAR JHA KE GHAR TAK

BLOCK :-

CHHATAPUR

S.No	SOR NO	DESRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing &				
1/1	12.3	Technical Specification Sand	0.00	Cum	116.85	0.00
2/2	A/R	Providing & laying Brick Bat		Guii		
		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.				
		Brick Bats	247.76	Cum	1032.00	255685.22
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				
		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.	0.00		110.00	
		For Grading II Material (with Coarse Sand Screening)				
		Unit = Cum		-	3.1.	
		Taking output = 300 cum				70.0
. 8 4	44	Coarse graded granular sub-base material as per Table 400.2				
		53 mm to 9.5mm @ 50 percent	180.00	Cum	516.42	92955.60
	7 N. 20	9.5 mm to 2.36 mm @ 20 percent	72.00	Cum	411.33	29615.76
	7 -	2.36 mm below @ 30 percent (coarse Sand Screening)	108.00		185.94	
		Cost for 300 cum = a	1 33.30	Juin	103.54	20081.52
	7.	Rate psr Cum = (a)/300	+	Cum	 	142652.88
			0.00	Cum	A75 E1	475.51
		GSB Gr-II	3.00	Juil	475.51	0.00
\dashv				+	TOTAL	0.00
- 1		Seigniorage Fees @10% of Basic Amount	1	+	TOTAL	255685.22

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Executive Engineer Rural Jorks Department Work Division, Trivenigani