SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF

ROAD FROM MADHOPUR KAJI TOLA PASCHIM KUJRAHI TO

NAME OF ROAD :-SHW BIRPUR SUKHAI CHOWK TAK

> TRIVENIGANI DIVISION:-

CHHATAPUR BLOCK :-

1.999 Km Actual Length of Road :-

Flood Affected Length of Road 0.424 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
1		1,378,659.33
2	BRICK BATS	127,437.38
3	EC BAG	127,137.00
4	GEO BAG	
5	GRANULAR SUB BASE	00 504 00
6	HUME PIPE	99,564.08
	Total Cost =	1,605,660.78
	Add:-Labour Cess @1% amt. =	16,056.61
	Add:GST@12% on amt. =	192,679.29
	Add:S.F.@ 10% on Material =	75,394.54
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,889,791

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

RWD (W) Division, Triventganj

M17.6.2

Executive Engineer RWD (W) Division, Triveniganj

Vide Letter 7 0 37146-4 (40) Parager (0014) 23-291/2019-4849 dt 07/12/2021

Technically Sancohoned For Ry-1889791.00/ (Rupees [Eighteen lokhe, eighty nine thousand, seven hundred ninety ones

Superintending Engineer **Aural Works Department** Works Circle Madher

				Details	of Me	asuren	nent			
 						संख्या				
कार्य का ब्यौरा Deatail of Work					No.	लम्बाई in m.	चौड़ाई In m.	În m.	मात्रा Quantity	
		Г	ETAILEI	ESTIMAI	E FOR TE	MPROR	Y RESTO	RATION (OF ROAL	FROM
NAME O	ROAD :-	I	MADHOP	UR KAJI T				TO SHW B	BIRPUR S	SUKHAI
Item No.	1 Sand fillin	g in F	oundation T	renches as p		& Technica		tion		
				•	3					
CH:-in .						17	25	4.000	0.60	0.000
tom No. (Descridies		iaa af Daial		<u></u>		1			0.000
tem No. 2	spreading	, gradi	ing to requir	k bat obtained ed slope and ction of engin	compacted	at OMC to	achenical r	neans with a equired dens	all sity with	
CH:-in						2	30	4.58	0.30	82.44
H:-in						1	14	8.58	0.30	36.04
H:-in H:-in						10	30	3.50	0.45	472.50
/ L-H						2	25	4.20	0.60	126.00
									1	716.98
em No. 3	I abour fillir	na em	nhi coment	bags with loo	٠	<u> </u>	ļ	n Cum)	716.980	
H:-in	of E/I	utli an	d EC bag e	tc. all comple	te as per a	pproved de	sing, speci	fication and	direction 0.6	120.00
								in cum)	0.0	120.00
	(0.034m3=	1 no.	of EC Bags	5)						3529.41
m No. 4	Droviding Is		1.5111		<u> </u>		Total (in nos.)		3530.00
l:-in	including sti	itching d plac	in four line	eo bags of si bag 0.07m3 s by approve ding unloadi ions and dire	d nylon thre	illed Geo be ead with sti iage with h (including	ags 126 Kg tching mac elp of trolle Carriage of	g with local s thine and ge by within 150 f Local sand	sand nerator	'je-
						2	0	3.00	1.5	0.00
(0.076m3=1	no. of	Geo Rans	1						0.00
			Oco Bays	1						0.00
1 No. 5	Onetructic-	of			,	Par Tal	Total (i	n nos.)		0.00
lt r	y mix in plac	ce me	thod with ro	pase by provunted grader stavator at Clensity, comp	arrangeme	ent on prepompacting Technical	ared surfact with smoot Specificati	ce, mixing		
						3	0	3.75	0.150	0.0000
No. 6 P	roviding and ow(1000mm	Layin Dia)	ng Reinforc	ed Cement C	Concrete Pi	pe NP3 as	per design	Tot in Single	al (Cum)	0.000
				Ch.0.00km		3				
						3	3	2.5		22.50
_==								Tot	al (in m)	22.50

AG 1516122 TE

AE

817.1.22 EE

Bill of Quantity

DETAILED ESTIMAE FOR TEMPRORY

NAME OF ROAD :- RESTORATION OF ROAD FROM MADHOPUR KAJI

TOLA PASCHIM KUJRAHI TO SHW BIRPUR SUKHAI

CHOWK TAK

BLOCK :-

CHHATAPUR

DISTRICT :-

SUPAUL

S.No	SOR NO		QTY	UNIT	RATE	AMOUNT
1/1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	1700.00	Cum	0.00	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.	716.98	Cum	1922.87	1378659.33
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	3530.00	nos.	36.10	127437.38
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
75	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	03 1	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	22.50	m	4425.07	99564.08
1		1			Say	1605660.78
\top		Seigniorage Fees				75394.54
1	/	Add @12% GST				192679.29
\perp	1	Add @1% Lebour Cess		, - L		16056.61
				is.		1889791.2
T					Say	1889791.0

1516121 75 AE AE

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Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM MADHOPUR KAJI TOLA PASCHIM KUJRAHI TO SHW BIRPUR SUKHAI CHOWK TAK

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	1700.00	0	0.00	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.	716.98	Cum	1922.87	1378659.33
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	3530.00	nos.	36.10	127437.38
4	v -	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
	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.	0.000	Cum	3010.64	0.00
	p	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	22.50	m	4425.07	99564.08
		otal		Bigg.	Rs.	1605660.7

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Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM MADHOPUR KAJI TOLA

NAME OF ROAD :- PASCHIM KUJRAHI TO SHW BIRPUR SUKHAI CHOWK TAK

BLOCK :-

CHHATAPUR

		DESRIPTION OF ITEMS	QTY	UNIT	K	ATE	AMOUNT
S.No	SOR N	Sand filling in Foundation Trenches as per Drawing &			1,1,00	1	
1/1	12.3	Technical Specification			110	6.85	0.00
		Sand	0.00	Cum	110	0.00	
2/2	A/R	Droulding & Javing Brick Bat			-		
	1	Providing and laying of Brick bat obtained from chimney		l			
	1	with machenical means with all spreading, grading to		l	1	1	The same of the sa
	1	required slope and compacted at OMC to acheive		1	1	1	
	1	required density with all complete as per the direction		1		1	
	1	of engineer in charge.		-	10	32.00	739923.36
	1	Brick Bats	716.98	Cum	110	32.00	7000
		Lebour filling empty cement bags with loocal sand,	1	1	1	1	
		letitching the hags and placing including supply of sutil		1		1	1
3/7	5.7.40.1	and FC bag etc. all complete as per approved desing,			1	1	
		specification and direction of E/I	100.00	Cum	1	16.85	14022.00
		Sand	120.00	Cuii	''	10.00	
\neg		Providing, laying and filling Geo bags of size 1m X 0.7		1	- 1		A
- 1		m(Type A 300 GSM nonwoven) weight of bags 420g		1	1	1	
		volume of filled bag 0.07m3, weight of filled Geo bags					1
- 1		126 Kg with local sand including stitching in four lines by			1	1	1
8	5.7.40.2	approved hylon thread with stitching machine and	1	1			1
		generator stacking and placing after loading unloading	1		-		t t
- 1		land carriage with help of trolley within 150m lead all	ŀ	1	- 1		
		complete as per specifications and direction of E/I		1	- 1		
		(including Carriage of Local sand lead 0.5 km)			\dashv	110.05	0.00
1		Sand	0.00	Cu	<u>m</u>	116.85	0.00
T		Construction of granular sub-base by providing well	1		- 1		
- 1		graded material, spreading in uniform layers with tractor	1	1			
		mounted grader arrangement on prepared surface,	1	1	1		-
-	401	Imixing by mix in place method with rotavator at OMC,	i	1	1		
		land compacting with smooth wheel roller to achieve the			1		
		desired density, complete as per Technical Specification			- 1		
		Clause 401.					
T		For Grading II Material (with Coarse Sand Screening)			. 1		
T		Unit = Cum		- 11			
\vdash		Taking output = 300 cum		-		4	
		Coarse graded granular sub-base material as per Table					
		400.2	180.	00 0	um	516.42	2 92955.60
		53 mm to 9.5mm @ 50 percent				····	
	9	9.5 mm to 2.36 mm @ 20 percent	72.0		um	411.3	
	2	2.36 mm below @ 30 percent (coarse Sand Screening)	108.	00 0	um	185.9	
_		Cost for 300 cum = a					142652.88
	F	Rate psr Cum = (a)/300	-		Cum	475.5	475.51
	-		0.0	00 0	Cum	475.5	0.00
	- G	SSB Gr-II	-			TOTA	
	[Se	eigniorage Fees @10% of Basic Amount				Sa	y 75394.5

