

# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## **BIHAR RURAL ROADS PROJECT**

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.

**YEAR (2021-22)** 

STATE DICTRICT BLOCK DIVISION BIHAR SUPAUL CHHATAPUR TRIVENIGANI

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM SHW SE RAMJANKI CHOWK M.S.CHAINPUR
TO KHUTTI M SCHOOL TO MAIN CARLUTURE

Truith

	Flood affected Length of Road	=	0.325 Km
p 1	TOTAL COST OF PAVEMENT	Rs	1,930,255
ام	TOTAL PROJECT COST	Rs	1,930,255

Submitted By:
Executive Engineer
RWD (W) Division, Triveniganj

Prepared By:
Executive Engineer
RWD (W) Division, Triveniganj

SINO	District	Division	Road Name	Length Km.	(In D	ength of Damage Int Due to Flood	Tentative Restoration Amount(In Lac)	HIDE	
1	Supaul T	riveniganj	Chunni world bank to choudhary tola(sahpur), girdharpatti hat via mirrapatti.	9.3		0.3	60	Chhata	ipur
2	Supaul T	riveniganj	Mahdipur Bazar to Chatapur (Boader)	1		0.25	18	Chhat	apur
3	Supaul T	riveniganj	L053-T01 To Narahiya (VR8)	2.5	85	0.35	19	Chha	tapur
4	Supaul 1	Triveniganj 1.	Construction of road from Lalji Chauk Harihar Path to Sohta Kachni Road with five years maintenance	11.	97	0.3	44	44 Chhatapur	
5	Supaul	Triveniganj	<ol><li>Construction of road from Chhatapur bus stand to Bhatta Bari Road with five years maintenance.</li></ol>	3.	18	0.2	36	36 Chhatapu	
6	Supaul	Triveniganj 3	. Construction of road from ChhatapurAnant Chowkto Bhatta Barl Road witfive years maintenance.	1.	485	0.1	20	Chi	natapur
7	Supaul	Triveniganj	<ol><li>Construction of road from Raghunathpurto Faisya Kothi Road with five years maintenance.</li></ol>	9.	375	2.12	64	Ch	hatapur
8	Supaul	Triveniganj	Construction of road from Chunni to Charney world Bank road with filve year maintenance	6	.345	0.3	40	) CI	hatapur
9	Supaul	Triveniganj	Construction of road from Chhatapur Laxmipur to kunti road with five year maintenance		7.75	0.3	4	5 C	hhatapur
10	Supaul	Triveniganj <sup>3</sup>	<ol> <li>Construction of road from Lalilt gram Railway Stati to Mahadev Patti with five year maintenance</li> </ol>	on	2.055	0.4	:	34 C	
11	Supaul	Triveniganj	Near House of Bishwanath Thakur TO Brahaman Tol Pratapganj Pariyahi Road Middle MMGSY[SC]hool Lalganj	а,	2	0.15		50	Chhatapu
12	Supaul	Triveniganj	State Highway Se Ramjanki Chowk Middle School Chapin to Aarriya Sima Birpur Path Via Ayub 72 Ri Subki mandal tola middle school thuthi	) <u>[</u>	8.165	0.4	<b>3</b>	34	Chhatapu
13	Supaul	Triveniganj	Pariyahi Pradhanmantri Sadak Se Pachim Ranipat	ti Pul	5.035	0.15	5	75	Chhatap
14	Supaul	Triveniganj	Bari Maszid Jhakhargadh TO Purab Mahadalit Tola Chohan, Sah, Mansuri, Mahadalit Tola	Via	2	0.2		15	
15	Supaul	Triveniganj	SHW From House of Chhutharu Sahni to NH57 Naaharpul Via Mehta Mahadalit Tola.		3.55	0.1	0.15		Chhata
_			Jewacchpur Naya Bazar to Madhubani Sima Tak Sarswatipur.	via	3.175	0.	0.33 23		Chhat
16	-	Triveniganj	L033-T01 To Lachmipur (VR9)	1	4,421	0	0.2		Chha
17			31 No Road to Darhariya Sima PMGSY via Pariya	dhar	3.54	C	0.15 40		Chha
18			Madhopur Market to West North SHW Birpur Roa		1.645	5	0.06 35		Chh
19			SH Bus Stand Paschim Bakho Tola & Paswan Tol	a Hote Huye	4.77		0.025		Chh
2			Harripatti SH Tak	<i>(</i>	1.5		0.12	35	Ch
	1 Supar	II LILIACITAGLE			2.085		5 0.2		-

#### जाँच प्रतिवेदन

ा प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक-1890 दिनांक-22.04.2022 द्वारा अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा की अध्यक्षता में गठित चार सदस्यीय कमिटी द्वारा बहुत विवेणीगंज के अंतर्गत वर्ष 2021-20 में उस्त अस्ति के विभाग के अंतर्गत वर्ष 2021-2021 के अंतर्गत वर्ष 2021-20 ा भुजा मान पाल प्रवास, प्रवास, प्रटमा क पत्राक-1890 दिनांक-22.04.2022 द्वारा अधाक्षण आमयता, ग्रामाण काय प्रमाग, काय जवल, मध्युरा का जन्यताता न गाठत वार सवस्याय जानक है. इंडल, त्रिवेणीगंज के अंतर्गत वर्ष 2021-22 में बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों के मोटरेबुल कार्य के कृत कार्य मदों की मात्रा का स्थलीय जाँव संबंधित सहायक अभियंता एवं कनीय अभियंता के साव हमा मया जो निम्न है :--

of Road :- S H W SE RAMJANKI CHOWK M. S.CHAINPUR TO KHUTTI M SCHOOL

ion Name :- Rural Works Department, Works Division, Triveniganj

lla.	ems of Wor	Nos.	L (m)	B (m)	D (m) IN (Ay.)	Quantity (m3)
	BRICK BATES					
		2	4.00	3.75	0.15	4.50
	1	1	5.00	(7.5+8)/2	0.15	5.81
		1	20.00	(5+4.5)/2	0.45	42.75
		1	25.00	(7.5+8)/2	0.60	116.25
	1	1	17.00	4.5	0.30	22.95
	1	10 X 2	25.00	2.75	0.15	206.25
	LESS PIPE	11X2	0.79	1.23	0.62	-13.21
	-				TOTAL	385.30
2						
	GEO BAGS	2	125.0	1.2	0.6	180
	_		125.0		180/0.076	2369
_	N	O OF GO BA	GS			2369
4	GSB GE2	1	T			
	GSD GD2	1	30.00	3.75	0.15	16.88
		1	30.00	3.75	0.15	16.88
		2	25.00		0.15	28.13
		-		Total Qty. =		61.88
5						
	hume	4	3.00	2.50		30.00
	pipe 1000	4	3.00	2.50		30.00
	mm dia	3	3.00	2.50		22.50
_		X	SON THE	Total Qty. =		82.5

कार्यपालक अभियंता ग्रामीण कार्य विभाग

कार्य प्रमंडल, सुपौल।

ग्रामीण कार्य विभाग

कार्य प्रमंडल, बीरपुर।

8123.5.2'

कार्यपालक अभियंता ग्रामीण कार्य विमाग कार्य प्रमंडल, त्रिवेणीगंज

र्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, त्रिवेणीगंज समिति के जाँच प्रतिवेदन के अनुसार POST FACTO M.B. एवं POST FACTO प्राक्कलन तैयार कराकर सक्षम धिकार को अग्रतर कार्रवाई हेतु शीघ्र मेजें। 4. W/29051~

> अधीक्षण अभियंता सह अध्यक्ष जाँच समिति ग्रामीण कार्य विभाग

कार्य अंचल, मधेपुरा

### **SUMMARY OF COST ESTIMATE FOR THE PROJECT**

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF

ROAD FROM SHW SE RAMJANKI CHOWK M.S.CHAINPUR TO NAME OF ROAD :-

KHUTTI M SCHOOL

DIVISION . TRIVENIGANI

BLOCK: CHHATAPUR

Flood Affected Length of Road :- 0.325 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	740,886.62
3	EC BAG	407,902.66
4	GEO BAG	186,283.35
5	GRANULAR SUB BASE	333,464.30
6	HUME PIPE Total Cost =	77.00
	Add:-Labour Cess @1% amt. =	16,685.3
	Add:GST@12% on amt. =	200,224.4
	Add:S.F.@ 10% on Material =	44,808.7
	TOTAL RESTORATION COST OF THE PROJECT IN LAC	s 1,930,25

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

istant Engineer RWD (W) Division, Triveniganj

**Executive Engineer** RWD (W) Division, Triveniganj

Vide letter to 81800 4 (150) AAU (1504)-23-291/2019-

11-07/12/2021
Technically Semctioned for suspets 19,30,255.00/Technically Semctioned for suspets 19,30,255.00/Lifty five suspets only)
//...// 1/2/04/2

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

#### **Estimate of Flood affected Road**

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM BLOCK :-SHW SE RAMJANKI CHOWK M.S.CHAINPUR TO KHUTTI M SCHOOL

**CHHATAPUR** 

		QTY	UNIT	RATE	AMOUNT
301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	0.00	Cum	549.11	0.00
Providing and laying of Brick bat obtained from chimney with machenical means with all spreading, grading to A/R required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.		385.30	Cum	1922.87	740886.62
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
	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 be 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)	y 2369.00	Each	172.18	407902.66
401	mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve desired density, complete as per Technical Specification Clause 401.	61.87	5 Cum	3010.64	
. 9.3	Providing and Laying Reinforced Cement Concrete Pipe NP per design in Single Roww(1000mm Dia).	3 as 82.5	0 m		333464.30
	Total			KS.	1000330.5
	A/R 5.7.40.1	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.  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  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 be 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)  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 desired density, complete as per Technical Specification Clause 401.  Providing and Laying Reinforced Cement Concrete Pipe NP per design in Single Roww(1000mm Dia).	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.  Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutti and EC bag etc. all complete as per approved desing, specification and direction of E/I  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)  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.  Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	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.  Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutil and EC bag etc. all complete as per approved desing, specification and direction of E/I  Providing, laying and filling Geo bags of size 1 m 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)  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.  Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	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.  Labour filling empty cement bags with local sand, stitching the bags and placing including supply of sutil and EC bag etc. all complete as per approved desing, specification and direction of E/I  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)  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.  Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).  Rs.

JΕ

Rural Jorks Department Work Division Trivenigan

			पैमाईस	nent				
	In m.	डाई		बाई	संख्या		र्य का ब्यौरा	
स्रात्रा		m.		m.			atail of Work	Dea
W SE	M SHW	)AD FRO	TION OF R	ESTAD	ADDODY	FOD TE	DETAILED ESTIMAR	
							RAMJANK	ME OF ROAD :-
	T						g in Foundation Trenches as pe	No. 1 Sand filling
	1				T COMMON C	. Diaming (	g and a second and post	
0.000	0.40	0.000			1	T		-in .
0.000		0.000		0	1			-111 .
	ing to	ading, grad ne direction	s with all spre plete as per t	enical mea with all co	ney with mac quired densit	from chim acheive re	and laying of Brick bat obtained slope and compacted at OMC to in charge.	required :
4.50	0.150	3.750		4	2		The ordings.	
5.81	0.150	7.750	(7.5+8)/2	5	1			l:-in
42.75	0.450	4.750	5.0+4.5)/2	20	1-1-1			ł:-in
116.25	0.600	7.750	(7.5+8.0)/2	25	1-1	-		t:-in t:-in
22.95	0.300	4.500		17	1			1:-in
206.2	0.150	2.75		50	10			H:-in
398.5								11.711
13.21		(-)	9x1.23x0.62	0	11x2	200	Lose For Di	
	Cum)	Total (in				De	Less For Pi	
385.3			cing including	ags and pl	stitching the	oocal sand,	filling empty cement bags with le	em No. 3. I abour
				ags and pl nd direction 20	stitching the pecification a	oocal sand, ed desing,	filling empty cement bags with light of the graph of the	em No. 3 Labour EC bag
0.00	utli and	supply of s	cing including of E/I otal (in cum)		pecinoation	oocal sand, ed desing,	g etc. all complete as per approv	EC bag
0.00	utli and	supply of s	otal (in cum)	20	0	ed desirig,	g etc. all complete as per approv	CH:-in (0.034
0.00 0.00 0.00 0.00	utli and  0.9  420g ur lines by	1.75 tht of bags	otal (in cum)  otal (in nos.)  onwoven) wei	20 300 GSM th local sa	0 0.7 m(Type / ags 126 Kg v	f size 1m X	im3=1 no. of EC Bags)  ding, laying and filling Geo bags of the of filled bag 0.07m3, weight of ved nylon thread with stitching mag with help of trolley within 150m	CHin  (0.034  Item No. 4 Provid volum approvicament
0.00 0.00 0.00 0.00	utli and  0.9  420g ur lines by	1.75 tht of bags	otal (in cum)  otal (in nos.)  onwoven) wei	20 300 GSM th local sa	0.7 m(Type / ags 126 Kg v generator stamplete as pe	f size 1m X	im3=1 no. of EC Bags)  ding,laying and filling Geo bags of the of filled bag 0.07m3 weight of	CHin  (0.034  Item No. 4 Provid volum approvicament
0.00 0.00 0.00 0.00 0.00	420g urlines by fing and cluding	1.75  tht of bags ching in found in general ching in found in general ching unloaden of E/I (in	otal (in cum)  otal (in nos.)  onwoven) wei	20 300 GSM th local sa king and p specificati	0 0.7 m(Type / ags 126 Kg v	f size 1m X	im3=1 no. of EC Bags)  ding, laying and filling Geo bags of the of filled bag 0.07m3, weight of ved nylon thread with stitching mag with help of trolley within 150m	CHin  (0.034  Item No. 4 Provid volum approvicament
0.00 0.00 0.00 0.00	420g urlines by fing and cluding	1.75  tht of bags ching in found in general ching in found in general ching unloaden of E/I (in	otal (in cum)  otal (in nos.)  onwoven) wei	20 300 GSM th local sa king and p specificati	0.7 m(Type / ags 126 Kg v generator stamplete as pe	f size 1m X	ding, laying and filling Geo bags one of filled bag 0.07m3 weight of ved nylon thread with stitching mage of Local sand lead 0.5 km)	(0.034  Item No. 4 Provid volum approvicarrias CH:-in
0.00 0.00 0.00 0.00 0.00	420g urlines by fing and cluding	1.75 tht of bags ching in for ding unload on of E/I (in	otal (in cum)  otal (in nos.)  onwoven) wei	20 300 GSM th local sa king and p specificati	0.7 m(Type / ags 126 Kg v generator stamplete as pe	f size 1m X	im3=1 no. of EC Bags)  ding, laying and filling Geo bags of the of filled bag 0.07m3, weight of ved nylon thread with stitching mag with help of trolley within 150m	(0.034  Item No. 4 Provid volum approvicarrias CH:-in
0.00 0.00 0.00 0.00 0.00 180 180 236	420g urlines by ding and cluding  0.6	1.75 tht of bags ching in four ding unload on of E/I (in 1.20	otal (in cum)  otal (in nos.)  onwoven) wei d including sti acing after loa ns and directi  Total (in nos.	20 300 GSM th local sa sking and p specificati 125 erial, spre- ig by mix is a cachieve to achieve to	0 0.7 m(Type / ags 126 Kg v generator stamplete as policy and the stamplete as policy and the surface, mix wheel roller	f size 1m X filled Geo bachine and m lead all control on providing von prepare	ding, laying and filling Geo bags of the of filled bag 0.07m3 weight of yed nylon thread with stitching mage of Local sand lead 0.5 km)  Sm3=1 no. of Geo Bags)  Struction of granular sub-base by or mounted grader arrangement.	CHin  (0.034  Item No. 4 Provid volum approving Carriar  CH:-in  (0.076
0.00 0.00 0.00 0.00 0.00 180 180 236 236	420g urlines by ding and cluding  0.6	1.75 tht of bags ching in four ding unload on of E/I (in 1.20	otal (in cum)  otal (in nos.)  onwoven) wei d including sti acing after loa ns and directi  Total (in nos.	20 300 GSM th local sa sking and p specificati 125 erial, spre- ig by mix is a cachieve to achieve to	0 0.7 m(Type / ags 126 Kg v generator stamplete as policy and the stamplete as policy and the surface, mix wheel roller	f size 1m X filled Geo bachine and m lead all control on providing von prepare	ding, laying and filling Geo bags of the of filled bag 0.07m3 weight of yed nylon thread with stitching mage of Local sand lead 0.5 km)  Sm3=1 no. of Geo Bags)	CHin  (0.034  Item No. 4 Provid volum approving Carriar  CH:-in  (0.076
0.00 0.00 0.00 0.00 0.00 180 180 236 236 236	420g urlines by ding and cluding  0.6	1.75  tht of bags ching in four ding unload on of E/I (in 1.20  layers with with sity,	otal (in cum)  otal (in nos.)  onwoven) wei d including sti acing after loa ns and directi  Total (in nos.	20 300 GSM th local saleshing and properties the specification of the sp	0 0.7 m(Type / ags 126 Kg v generator stamplete as possible produced months of the control of th	f size 1m X filled Geo bachine and m lead all control on providing von prepare	ding, laying and filling Geo bags of the of filled bag 0.07m3 weight of yed nylon thread with stitching mage of Local sand lead 0.5 km)  Sm3=1 no. of Geo Bags)  Struction of granular sub-base by or mounted grader arrangement.	CHin  (0.034  Item No. 4 Provid volum approving Carriar  CH:-in  (0.076
0.00 0.00 0.00 0.00 0.00 180 180 236 236 236 150 16.	420g ar lines by ding and cluding  0.6  0.15  0.15  0.15	1.75  tht of bags ching in footing unload on of E/I (in 1.20  layers with with sity,  3.75 3.75 3.75	otal (in cum)  otal (in nos.)  onwoven) wei d including sti acing after loa ns and directi  Total (in nos.	20 300 GSM th local sa sking and p specificate 125 erial, spreng by mix is a achieve the crial) 30	0 0.7 m(Type / ags 126 Kg v generator stamplete as per 2 ell graded m surface, mix wheel roller 401 (Gr-II Ma	f size 1m X filled Geo bachine and m lead all control on providing von prepare	ding, laying and filling Geo bags of the of filled bag 0.07m3 weight of yed nylon thread with stitching mage of Local sand lead 0.5 km)  Sm3=1 no. of Geo Bags)  Struction of granular sub-base by or mounted grader arrangement.	CHin  (0.034  Item No. 4 Provid volum approving Carriar  CH:-in  (0.076
0.00 0.00 0.00 0.00 0.00 180 180 236 236 236 150 16.	420g 420g ar lines by fing and cluding  0.6  0.15  0.15  0.15  0.15  0.15	1.75  tht of bags ching in footing unload on of E/I (in 1.20  layers with sity,  3.75  3.75	otal (in cum)  otal (in nos.)  onwoven) wei  dincluding sti  acing after loa  ns and directi  Total (in nos.)	20 300 GSM th local saleking and p specification 125  erial, spreeing by mix is a achieve the rial) 30 30 25	0 0.7 m(Type / ags 126 Kg v generator stamplete as possible production of the surface, mix wheel roller 1 1 2	f size 1m X filled Geo hachine and m lead all comproviding won prepare with smooth tion Clause	ding, laying and filling Geo bags on the of filled bag 0.07m3 weight of the of filled bag 0.07m3 weight of the off the	CH:-in  (0.034  Item No. 4 Provid volum approvided appr
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	420g ar lines by ding and cluding  0.6  0.15  0.15  0.15  Total (Cun Dia).	1.75  tht of bags ching in footing unload on of E/I (in 1.20 layers with sity,  3.75 3.75 3.75	otal (in cum)  otal (in nos.)  onwoven) wei  dincluding sti  acing after loa  ns and directi  Total (in nos.)	20 300 GSM th local saleking and p specification 125  erial, spreeing by mix is a achieve the rial) 30 30 25	0 0.7 m(Type / ags 126 Kg v generator stamplete as possible production of the surface, mix wheel roller 1 1 2	f size 1m X filled Geo hachine and m lead all comproviding won prepare with smooth tion Clause	ding, laying and filling Geo bags of the of filled bag 0.07m3 weight of yed nylon thread with stitching mage of Local sand lead 0.5 km)  Sm3=1 no. of Geo Bags)  Struction of granular sub-base by or mounted grader arrangement.	CH:-in  (0.034  Item No. 4 Provid volum approvided appr
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	420g ar lines by ding and cluding  0.6  0.15  0.15  0.15  Total (Cun Dia).	1.75  tht of bags ching in footing unload on of E/I (in 1.20  layers with with sity,  3.75 3.75 3.75 3.75 2.50	otal (in cum)  otal (in nos.)  onwoven) wei  dincluding sti  acing after loa  ns and directi  Total (in nos.)	20 300 GSM th local sa sking and p specification 125  erial, spreng by mix is a schieve the rial) 30 30 25 as per des 3	0 0.7 m(Type / ags 126 Kg v generator stamplete as possible production of the surface, mix wheel roller 1 1 2	f size 1m X filled Geo hachine and m lead all comproviding won prepare with smooth tion Clause	ding, laying and filling Geo bags on the of filled bag 0.07m3 weight of the of filled bag 0.07m3 weight of the off the	Item No. 5 Constractor rotavicomp
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	420g url lines by ding and cluding  0.6  0.15  0.15  Total (Cu	1.75  tht of bags ching in footing unload on of E/I (in 1.20 layers with sity,  3.75 3.75 3.75	otal (in cum)  otal (in nos.)  onwoven) wei  dincluding sti  acing after loa  ns and directi  Total (in nos.)	20 300 GSM th local sa sking and p specificate 125 erial, spreng by mix is a schieve the crial) 30 30 25	0 0.7 m(Type / ags 126 Kg v generator stamplete as possible produced by the surface of the surfa	f size 1m X filled Geo hachine and m lead all comproviding won prepare with smooth tion Clause	ding, laying and filling Geo bags on the of filled bag 0.07m3 weight of the of filled bag 0.07m3 weight of the off the	Item No. 5 Constractor of the composition of the co

151617L

Total (in m) 82.50

Executive Engineer
Rural Yorks Department
Nork Division, Trivenigani

# Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM SHW SE RAMJANKI
NAME OF ROAD :- CHOWK M.S.CHAINPUR TO KHUTTI M SCHOOL

BLOCK :-CHHATAPUR

.No	SOR NO	DESRIPTION OF ITEMS	QTY	UNIT		RATI	F   A	MOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing &	4	10	-	WA II	-	MODINI
-		Technical Specification						
2/2	A/R	Sand	0.00	Cui	m	116.85	5	0.00
	- AUK	Providing & laying Brick Bat Providing and laying of Brick bat obtained from chimney		-	-			
1		with machenical means with all spreading, grading to			1		1	1
İ		required slope and compacted at OMC to acheive		1	- 1		1	1
		required density with all complete as per the direction	1		ľ		1	1
		of engineer in charge.			- 1		1	
		Brick Bats	385.3	0 0	um	1032.	00	397632.18
		Labour filling empty cement bags with loocal sand,	303.	<u> </u>	1	1002.	-	001002710
3/7	5.7.40.1	stitching the bags and placing including supply of sutii and EC bag etc. all complete as per approved desing, specification and direction of E/I						
		Sand	0.0	0 0	um	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	18	0.00	Cum	11	6.85	21033.00
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)						
		Unit = Cum				4		-
		Taking output = 300 cum				-		
		Coarse graded granular sub-base material as per Ta 400.2			-	_		00055.60
	1	53 mm to 9.5mm @ 50 percent		180.00	Cı	ım	516.42	
	+	9.5 mm to 2.36 mm @ 20 percent		72.00	C	um	411.33	-
-	+	2.36 mm below @ 30 percent (coarse Sand Screeni	ng)	108.00	C	um	185.94	
		Cost for 300 cum = a			1			142652.8
		Rate psr Cum = (a)/300			C	um		475.51
	-	Kate psi Cuiti - (a)1505		61.88	3 (	Cum	475.5	
	-	200 0-11						29422.1
		GSB Gr-II					TOTA	
		Seigniorage Fees @10% of Basic Amount					Say	44808.

TAL 448087.34 ay 44808.73

EE

Executive Engineer Pured forks Department Work Division Trivenigani