

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 TRIVENIGANJ

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM HOUSE OF YOJNA SANKHYA 1 RAM CHANDRA GHAR SE PURAB MAHADALIT TOLA TO

Actual Length of Road	=	2.200 Km
Flood affected Length of Road	=	0.270 Km
TOTAL COST OF PAVEMENT	Rs	691,348
TOTAL PROJECT COST	Rs	691,348

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

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

T 9	Supaul	Triveniganj	Ranipatti WN 6 To Sada Tola	1.128	0.15	9.5	Chhatapur
1		Triveniganj	Paswan Tola To pal tola	1	0.06	12	Chhatapur
+		Triveniganj	Mohamadganj ward no 02 sima se bechan sah shambhu paswan tola to hote hue beriya sima tak	1.865	0.06	22	Chhatapur
7	Supaul	Triveniganj	Jadiya Balua Path SHW se purab swasthya up kendra P.o. se Purab to Madhopur panchyat sima tak via Chauhan, Mandal, Nauniya tola	1.99	0.3	12.5	Chhatapur
В	Supaul	Triveniganj	Madhopur kaji tola paschim kujrahi to SHW birpur Sukhai chowk tak	1.999	0.27	16	Chhatapur
9	Supaul	Trivenigan	Ambika mandal ke ghar ke nikat to Dipu paswan ke ghar kamat kisunganj sima	2.63	0.45	53	Chhatapur
30	Supaul	Trivenigan	Mahaddipur Bazar to Batrahi Muslim Tola	0.3	0.4	3.5	Chhatapur
31	Supaul	Trivenigan	H O Mano Mandal to Ram Tola	0.7	0.1	15	Chhatapur
32	Supaul	Trivenigan	Chhatapur laxmipur sima se to Khatbe tola Mahadalit tola khunti tak	3	0.05	45	Chhatapur
33	Supaul	Trivenigar	Bairia Pula से Md Ganj Sima H O Ravin Thakur	0.9	0.085	45	Chhatapur
34	Supaul	Triveniga	Brahaman Tola PMGSY Udhampur Bhagwatipur to Rar Tola	m 1	0.3	28	Chhatapur
35	Supau	Triveniga	j HO Prakas Singh to Sah Tola	1.2	0.3	18.5	Chhatapur
36	Supau	Triveniga	Gulab Chand Mukhia House to Mullah Tola	1.8	0.25	16.5	Chhatapur
37	Supar	ll Triveniga	N H 57 Yadav Tola to Paswan Tola-2722	1	0.15	9.75	Chhatapur
38	Supar	l Triveniga	nj Koriyapatti to Rajeshwari path	3	0.38	22	Chhatapur
39	Supa	ul Trivenig	nj Karwana Bechan Sah Ke Ghar To Dahariya Sima Ta	ak 2.27	0.25	18	Chhatapur
40	Supa	ul Trivenig	nj Madhopur Ansari Tola Se Dakshin to SHW Amar Cho via Mahadalit Tola Yadav Tola	0wk 1.05	0.3	58	Chhatapu
4:	L Supa	ul Trivenig	Rani Patti 49 RD to Digambar Jha Ke Ghar tak	2	0.215	18.5	Chhatapu
1	9 Supa	aul Trivenio	World Bank Road Barma Colony Hote Huye to Kish Yadav Ke Ghar tak	nan 1.53	0.2	22.5	Chhatapu
4	2 Supa	aul Trivenie	Singh ke Ghar tak	ra 2.2	0.2	29	Chhatapi
4	3 Sup	aul Triveni	anj 31 Nosadak Laxman Mehta Ke Ghar Hote Huye to Gani Hote Sima Sadak Tak	Md. 1.6	0.3	20	Chhatap
-	14 Sup	aul Triveni	Main Canal East to Paswan Tola	2.37	0.3	25	Chhatap
	45 Sup	aul Triven	panj NH 57 to Nuniya Tola	5.1	0.35	18.5	Chhatap
が上	46 Sur	oaul Triven	ganj House of Manilal Paswan Tola to Adibasi Tola	2.7	0.54	17.5	Chhatap
	47 Su	paul Triven	The state of the s	5.1	0.06	42.5	Chhatag
	48 Su	paul Triver	Construction of Road from Korlyapatti, Rajeshwari ganj sadak to the west of Gangapur Minar Canel 8.5 rd		0.2	48.86	Chhatap

जाँच प्रतिवेदन

हार जिसाग, बिहार, पटना के पत्रांक—1890 दिनांक—22.04.2022 द्वारा अधीक्षण अमियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा की अध्यक्षता में गठित चार सदस्यीय कमिटी कि विभाग कि कि कि कार्य को निम्म है :-ा प्र^{मुख} प्रामीण कार्य विभाग, ानवार के अंदर्गत वर्ष 2021–22 में बाद / अतिवृष्टि से क्षतिग्रस्त पथाँ के मोटरेबुल कार्य के कृत कार्य मदों की मात्रा का स्थलीय जाँच संबंधित सहायक अभियंता एवं कनीय विभाग कार्य अंचल, मधेपुरा की अध्यक्षता में गठित चार सदस्यीय व ार्य प्र^{मुंड}ल, क्षिया गया जो निम्न है :-ाय प्रमहल, विश्व मार्थी तथा गया जो निम्न है :--

e of Road Works Department, Works Division. Trivenice

ad 7 ... Rural Works Department, Works Division, Triveniganj

ion Name.		T.			
c:- Chhatapur ktems of Work	Nos.	L	В	D	Quantity (m3)
·					
1 LOCAL SAND				TOTAL	
1				TOTAL=	
-					
2 BRICK BATS.	3	30	3.75	0.7	
10 10 10 10 10	3	30	3.75	0.5	101.25
				0.5	101.25
SALE SE	3	30	3.75	0.5	101.25
· · · · · · · · · · · · · · · · · · ·				TOTAL=	303.75
100 ASS	tex 05	2022			

ग्रामीण कार्य विभाग कार्य प्रमंडल, सुपौल।

कार्यपालक अभियंता ग्रामीण कार्य विभाग कार्य प्रमंडल, बीरपुर।

823.5.22 कार्यपालक अभियंता ग्रामीण कार्य विभाग कार्य प्रमंडल, त्रिवेणीगंज

पालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, त्रिवेणीगंज समिति के जाँच प्रतिवेदन के अनुसार POST FACTO M.B. एवं POST FACTO प्राक्कलन तैयार कराकर सक्षम ाकार को अग्रतर कार्रवाई हेतु शीघ्र भेजें।

> अधीक्षण अभियंता सह अध्यक्ष जाँच समिति ग्रामीण कार्य विभाग

कार्य अंचल, मधेपुरा

4//23/05/2

SUMMARY OF COST ESTIMATE FOR THE PROJECT

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM HOUSE OF YOJNA SANKHYA 1 RAM CHANDRA GHAR SE

NAME OF ROAD:- PURAB MAHADALIT TOLA TO SOHATA PANCHAYAT SIMA

UPENDRA SINGH KE GHAR TAK

DIVISION: TRIVENIGANJ

BLOCK:- CHHATAPUR

Actual Length of Road :- 2.200 Km

Flood Affected Length of Road :- 0.270 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	584,071.76
3	EC BAG	-
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	
10.835	Total Cost =	584,071.76
Market Comment	Add:-Labour Cess @1% amt. =	5,840.72
	Add:GST@12% on amt. =	70,088.61
	Add:S.F.@ 10% on Material =	31,347.00
T BELLE	TOTAL RESTORATION COST OF THE PROJECT IN LACS	691,348

157612022

Junior Engineer
RWD (W) Division, Trivenigani

Disto fro

Assistant Engineer
RWD (W) Division, Triveniganj

Executive Engineer
RWD (W) Division, Triveniganj

Vide Letter 350 37 Aro -4 (450) Paraer (4512) 23-291/2019-4849

Technically semedioned for Resuper 6,91,348.00/(that is six lake orinety four one thousand three hundred
(fourty eight super only)

Superintending Engineer

Aural Works Department

Vorks Circle Madhe

			nt					
		संख्या Measurement						
मात्रा Quantity	ln m.	ड़ाई 1 m.		No.		कार्य का ब्यौरा eatail of Work		
USE OF	TROM HO	TAK	KE GHAF	GHAR SE RA SINGI	CHANDRA IA UPENI	DETAILED ESTIMAE FOR YOJNA SANKHYA 1 RAM C SOHATA PANCHAYAT SIM	OF ROAD :-	
			Opecinoano	k rechilical	r Drawing	 ing in Foundation Trenches as pe	o. 1 Sand filli	tem No. 1
0.000	0.40	0.000	0	1				
0.000								CH:-in .
	ty with	ans with a uired densi	chenical me acheive req	at ONC to	compacted	g and laying of Brick bat obtained ng, grading to required slope and	anroadin	Item No. 2
101.250	0.300	3.750	30	e. 3	eer in char I	lete as per the direction of engine	all comp	Art.
101.250	0.300	3.750	30	3				CH:-in
101.250 303.750	0.300	3.750	30	3				CH:-in
0.000		2.25						CH:-in
303.750	(-)	2x2.5	22/7x(0.6	0		Less For Pipe	en e	2
303.730			Total (in Cun					
	ading	cation and	bags and pains	titching the	ocal sand,	filling empty cement bags with loc	lo. 3 Labour f	Item No. 3
0.00	0.9	1.75	bags and pains, speciform 20 Total (in	stitching the approved de	cal sand, ete as per	of sutli and EC bag etc. all comple	supply o	State.
	0.9	1.75 cum)	20 Total (in	0	ete as per	of sutili and EC bag etc. all complete of F/I 13=1 no. of EC Bags)	supply of direction (0.034m	Item No. 3
0.00	0.9	1.75 cum) nos.)	20 Total (in	0 / milype	ate as per	of F/I 13=1 no. of EC Bags)	supply of direction (0.034m	CH:-in
0.00 0.00 0.00	0.9 weight sand enerator 60m lead ad lead	nos.) nonwoven with loca hine and g y within 15 f Local sar	Total (in Total	0 // m(Type f filled Geo read with s rriage with // (includin	size 1m X (3. weight over and co	of sutili and EC bag etc. all complete of E/I 13=1 no. of EC Bags) 1420g volume of filled bag 0.07mg stitching in four lines by approving and placing after loading unload plete as per specifications and di	(0.034m lo. 4 Providing of bags including	
0.00 0.00 0.00	0.9 weight sand enerator 60m lead	1.75 cum) nos.) nonwoven g with loca hine and g	Total (in Total	0 7 m(Type filled Geo read with striage with	size 1m X (3. weight over and co	of sutili and EC bag etc. all complete of E/I 13=1 no. of EC Bags) 1420g volume of filled bag 0.07mg stitching in four lines by approving and placing after loading unload plete as per specifications and di	(0.034m (0.034m (0.034m (of bags includin stacking all comp 0.5 km)	CH:-in
0.00 0.00 0.00	0.9 weight sand enerator 60m lead ad lead	nos.) nonwoven with loca hine and g y within 15 f Local sar	Total (in Total	0 // m(Type f filled Geo read with s rriage with // (includin	size 1m X (3. weight over and co	of sutili and EC bag etc. all complete of F/I 13=1 no. of EC Bags) 13, 13, 13, 13, 13, 13, 13, 13, 13, 13,	(0.034m (0.034	CH:-in
0.00 0.00 0.00 0.00 0.00	0.9 weight sand enerator 60m lead ad lead	1.75 cum) nos.) nonwoven g with loca hine and g y within 15 f Local sar	20 Total (in Total (in S 300 GSM) bags 126 K bitching machelp of troller Carriage C	0 // m(Type f filled Geo read with s rriage with // (includin	size 1m X (3). weight (cored nylon to thing and Co	of sutili and EC bag etc. all complete of E/I 13=1 no. of EC Bags) 1420g volume of filled bag 0.07mg stitching in four lines by approving and placing after loading unload plete as per specifications and di	(0.034m (0.034	CH:-in
0.00 0.00 0.00	0.9 weight sand enerator 60m lead ad lead	nos.) nonwoven g with loca hine and g y within 15 f Local sar 3.00	Total (in Total	7 m(Type filled Geo read with stringe with (// (includin	3. weight ored nylon to ding and carection of	of Sutli and EC bag etc. all complete of F/I 13=1 no. of EC Bags) 13=1 no. of EC Bags) 1420g volume of filled bag 0.07m; g stitching in four lines by approving and placing after loading unload plete as per specifications and displaced and placed and displaced and displaced are specifications.	(0.034m (0.034m of bags includin stacking all composts km) (0.076m	CH:-in Item No. 4 CH:-in
0.00 0.00 0.00 0.00 0.00	0.9 weight sand enerator 50m lead id lead 1.5	nos.) nonwoven g with loca hine and g y within 15 f Local sar 3.00 n nos.)	20 Total (in Total (in A 300 GSM) bags 126 K titching maching of trolle (in Carriage of Total (in terial, spreepared surfempacting w	0 Trim(Type if filled Geo read with s rriage with // (includin 2 I graded m ment on pi MC, and cc	size Tm X (3. weight of the ding and carection of the ding and care are care as a care	of sutili and EC bag etc. all complete of F/I 13=1 no. of EC Bags) 1420g volume of filled bag 0.07m; 15 g stitching in four lines by approving and placing after loading unload plete as per specifications and displete as per specifications are specifications.	(0.034m (0.034m of bags includin stacking all compost (0.5 km) (0.076m No. 5 Construing wheel	CH:-in
0.00 0.00 0.00 0.00 0.00	0.9 weight sand enerator 50m lead id lead 1.5	nos.) nonwoven g with loca hine and g y within 15 f Local sar 3.00 n nos.) ading in ace,	20 Total (in Total (in A 300 GSM) bags 126 K titching maching of trolle (in Carriage of Total (in terial, spreepared surfempacting w	0 Trim(Type if filled Geo read with s rriage with // (includin 2 I graded m ment on pi MC, and cc	size Tm X (3. weight of the ding and carection of the ding and care are care as a care	of sutili and EC bag etc. all complete of F/I 13=1 no. of EC Bags) 1420g volume of filled bag 0.07mg stitching in four lines by approving and placing after loading unload plete as per specifications and displaced by the specification of granular sub-base by property with tractor mounted granular by mix in place method with rotal	(0.034m (0.034m of bags includin stacking all compost (0.5 km) (0.076m No. 5 Construing wheel	CH:-in Item No. 4 CH:-in
0.00 0.00 0.00 0.00 0.00 0.00	0.9 r weight sand enerator 50m lead ad lead 1.5	nos.) nonwoven g with loca hine and g y within 15 f Local sar 3.00 n nos.) ading in ace, th smooth	Total (in Total	o m(Type filled Geo read with striage with // (includin 2 light graded mment on product of the control of the c	size Tm X (3. weight of the ding and carection of the ding and care are care as a care	of sutili and EC bag etc. all complete of F/I 13=1 no. of EC Bags) 1420g volume of filled bag 0.07m; 15 g stitching in four lines by approving and placing after loading unload plete as per specifications and displete as per specifications are specifications.	(0.034m (0.034m of bags includin stacking all compost (0.5 km) (0.076m No. 5 Construing wheel	CH:-in Item No. 4 CH:-in
0.00 0.00 0.00 0.00 0.00 0.00	0.9 weight sand enerator 50m lead ad lead 1.5 0.160 otal (Cum	nos.) nonwoven g with loca hine and g y within 15 f Local sar 3.00 n nos.) ading in ace, th smooth	20 Total (in Tot	o r m(Type filled Geo read with s rriage with // (includin 2 I graded m ment on pi MC, and co ete as per	oviding weder arrang	of sutili and EC bag etc. all complete of F/I 13=1 no. of EC Bags) 1420g volume of filled bag 0.07m; 15 g stitching in four lines by approving and placing after loading unload plete as per specifications and displete as per specifications are specifications.	(0.034m (0.034m (0.034m of bags includin stacking all compost (0.076m (0.076m No. 5 Construinform mixing wheel Specific	CH:-in
0.00 0.00 0.00 0.00 0.00 0.00	0.9 weight sand enerator 50m lead ad lead 1.5 0.160 otal (Cum	nos.) nonwoven g with loca hine and g y within 15 f Local sar 3.00 n nos.) ading in ace, th smooth 3.2 T gn in Singl	20 Total (in Tot	o r m(Type filled Geo read with s rriage with // (includin 2 I graded m ment on pi MC, and co ete as per	oviding weder arrang vator at Concret	of Sutli and EC bag etc. all complete of F/I 13=1 no. of EC Bags) 1420g volume of filled bag 0.07m; g stitching in four lines by approving and placing after loading unload plete as per specifications and displete as per specification and displete as per specifications are specifications.	(0.034m (0.034m (0.034m of bags includin stacking all compost (0.076m (0.076m No. 5 Construinform mixing wheel Specific	CH:-in Item No. 4

151122 JE

AE

617.6.22

Executive Engineer
Rural Jorks Department
Work Division, Trivenigani

Calculation of Seigniorage Fees

NAME OF ROAD :- UPENDRA SINGH KE GHAR TAK CHHATAPUR SANKHYA 1 RAM CHANDRA GHAR SE PURAB MAHADALIT TOLA TO SOHATA PANCHAYAT SIMA

-	SOR NO	DESRIPTION OF ITEMS Sand filling in Foundation Trenches as per Drawing &	OTY	UNIT	RAT	E -	AMOUNT
1 17	12.3	Technical Specification					
1		Sand	0.00	Cum	116.85	5	0.00
0/-	A/R	Providing & laying Brick Bat					
2+	in the	Providing and laying of Brick bat obtained from					
		chimney with machenical means with all spreading,					
		grading to required slope and compacted at OMC to		1	1		Ì
Ve I		acheive required density with all complete as per the				-	1
and a		direction of engineer in charge.					
	To the	511.51			1000 (-	313470.00
		Brick Bats Labour filling empty cement bags with loocal sand,	303.75	Cum	1032.0	- - 	313470.00
ST.		stitching the bags and placing including supply of sutli					
3/7	5.7.40.1	and EC bag etc. all complete as per approved desing,					
	Wit.	specification and direction of E/I					
STATE OF STATE OF	West (Sand	0.00	Cum	116.8	35	0.00
Marie C	PER L	Providing, laying and filling Geo bags of size 1m X 0.7					
		m(Type A 300 GSM nonwoven) weight of bags 420g	1	2			
		volume of filled bag 0.07m3. weight of filled Geo bags	1				
		126 Kg with local sand including stitching in four lines by		1	1		
4/8	5.7.40.2	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)					
AND DESIGNATION OF THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWI	BARRY P.	Sand	0.00	Cun	116	.85	0.00
WHILE	No. of the last of	Construction of granular sub-base by providing well					
		graded material, spreading in uniform layers with tractor					
	Fig.	mounted grader arrangement on prepared surface,					
5/9	401	mixing by mix in place method with rotavator at OMC,		1		- 1	
		and compacting with smooth wheel roller to achieve the desired density, complete as per Technical				1	
用品		Specification Clause 401.					
(9)	1 1000	For Grading II Material (with Coarse Sand Screening)					
s.chi	1 Saverage	Unit = Cum					
A STEEL		Taking output = 300 cum	_				
Seeding (SAA)		Coarse graded granular sub-base material as per	_		_		
B.C.		Table 400.2					
300		53 mm to 9.5mm @ 50 percent	180.	00 Cı	m 51	6.42	92955.60
		9.5 mm to 2.36 mm @ 20 percent	72.0	00 Cu	ım 41	1.33	29615.76
		2.36 mm below @ 30 percent (coarse Sand Screening	108.	00 Ci	ım 18	5.94	20081.52
100	建程	Cost for 300 cum = a					142652.88
KIE	A ALTERNATION	Rate psr Cum = (a)/300		C	ım		475.51
43		- F-1	0.0	00 C	um 47	75.51	0.00
190		GSB Gr-II					0.00
317.6		11年4月3年			T	OTAL	313470.00
(53.5	a Marin	Seigniorage Fees @10% of Basic Amount				Say	31347.00

Executive Engineer Rural Jorks Department Work Division, Trivenigani

Estimate of Flood affected Road

NAME OF ROAD :-

HOUSE OF YOJNA SANKHYA 1 RAM CHANDRA GHAR SE PURAB MAHADALIT TOLA TO SOHATA PANCHAYAT SIMA UPENDRA SINGH

BLOCK :-

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	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.	303.75	Cum	1922.87	584071.76
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.	0.00	Cum	3010.64	0.00
6	102	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4041.99	0.00
四勝		Total			Rs.	584071.76

15/6/22

Od sto hou

h17621

Executive Engineer
Rural Jorks Department
Work Division, Trivenigani