

GOVERNMENT OF BIHAR

UNDER FLOOD DAMAGE REPAIR

Estimate for Restoration of Traffic

DISTRICT :

WEST CHAMPARAN

BLOCK :

YOGAPATTI

YEAR(2020-2021)

NAME OF ROAD :

LI116-GARDAHIYA TO HARIHARPUR TOLA

Total Length

:

0.335

KMS

Cost of Pavement (Rs.)

:

450601

Total Cost Of Road (Rs.)

:

450601

SUBMITTED BY

Executive Engineer RWD

Works Division, Bettiah

**कार्यपालक अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य प्रमंडल बगहा -1।**

पत्रांक..... / दिनांक.....

प्रेषक,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

सेवा में,

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल बेतिया

विषय:-

वर्ष 2020 के बाढ़ में क्षतिग्रस्त पथों को मोटरबुल कराने हेतु किये गये कार्यों की जांच के संबंध में।

प्रसंग:-

भयदीय का पत्रांक -1312/ बेतिया दिनांक - 26.08.2020।

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, बेतिया द्वारा उपलब्ध कराये गए मोटरबुल पथों की सूची में अंकित पथों का निरीक्षण अद्योहस्ताक्षरी द्वारा सहायक अभियंता, श्री अजय कुमार एवं सहायक अभियंता, विरलाल जायसवाल के साथ किया गया। निरीक्षण के दौरान कार्य प्रमंडल, बेतिया द्वारा प्रतिवेदित सभी पथों पर यातायात चालू है। अग्रेतर कार्रवाई हेतु समर्पित किया जाता है।

अनु:- निरीक्षण किये गये पथों की सूची संलग्न।

(अजय कुमार)

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

(विरलाल जायसवाल)

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

विश्वासभाजन

हस्ताक्षर

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-1

ज्ञापांक 2833 / बगहा-1 दिनांक 28/12/2020

प्रतिलिपि :- कार्यपालक अभियंता ग्रा0 का0 वि0 कार्य प्रमंडल, बेतिया को सूचनार्थ प्रेषित।

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

ROAD DETAILS OF FOR 2020
Works Div. Bettiah

S.N.	Block	Name of Road	Road Length (KM)	Damage Length (KM)	Estimated Amount <i>Remarks</i>
1	Yogapatti	L056-BHAWANIPUR TO RAMNA	3.800	0.336	Motorable
2	Yogapatti	kawalpur to Dhabelwa Madrasa (L065)	4.078	0.412	Motorable
3	Yogapatti	Nawalpur Chowk to Sirkehiya	9.500	0.734	Motorable
4	Yogapatti	BETTIAH NAWALPUR - KHARATIA NAWALPUR	12.560	0.340	Motorable
5	Yogapatti	BETTIAH NAWALPUR - Kewlapur	4.478	0.590	Motorable
6	Yogapatti	DUMARI - MANDATPUR	5.814	0.361	Motorable
7	Yogapatti	L091-Paltu Sah Ke Bagicha To Lakra (TRACK91)	2.755	0.305	Motorable
8	Yogapatti	L023 Dumari to Bakhi	1.200	0.225	Motorable
9	Yogapatti	L024 to Brahman Tolam tola	1.500	0.491	Motorable
10	Yogapatti	PMGSY Fatepur to Chamukha	1.315	0.528	Motorable
11	Yogapatti	L116-Gardardahiya to Hariharpur Tola (TRACK116)	2.250	0.210	Motorable
12	Yogapatti	Dhadhwa to Mushar toli	3.540	0.179	Motorable
13	Majhulia	Bin toli to nuniya tola	2.580	0.321	Motorable
14	Majhulia	Sariswa PWD to Majhi tola	1.430	0.179	Motorable
15	Majhulia	PMGSY TO Dhankutwa	1.120	0.394	Motorable
16	Majhulia	Sariswa market to MR Road	1.200	0.150	Motorable
17	Majhulia	Bakulahat to Bankat	1.815	0.135	Motorable
18	Majhulia	Harpur to T01 to harpur Chowk	2.840	0.163	Motorable
19	Majhulia	Sariswa Dhodha to Turba toli	2.080	0.126	Motorable
20	Majhulia	harpur chowk to harpur primary school	2.830	0.105	Motorable
21	Majhulia	MNP Road Middle school to bada semra writ	2.550	0.130	Motorable
22	Majhulia	Mahanwa to Parsa	10.220	0.218	Motorable
23	Majhulia	L106 PMGSY to Bin Toli	1.500	0.060	Motorable
24	Majhulia	Pipra Ganauli to Lalgah Path	6.500	0.340	Motorable
25	Majhulia	Amwa Majhar to Farwa path	2.000	0.135	Motorable
26	Majhulia	Bakhariya to karmawa	5.000	0.374	Motorable
27	Majhulia	Semraghat to Briti tola	1.500	0.120	Motorable
28	Majhulia	L056-Sekh toli to malah Toli	2.100	0.140	Motorable
29	Majhulia	Parsa To Dumariya majhulia	3.000	0.450	Motorable
30	Majhulia	Mahanwa to Rampurwa To bakulia tola	4.000	0.533	Motorable
31	Majhulia	L073-T02 to Gudra	4.550	0.281	Motorable
32	Majhulia	Baghambar pur to Semra Ghat (2.1 km)	2.100	0.240	Motorable
33	Majhulia	Barwa to Bhogari	4.648	0.219	Motorable
34	Majhulia	Baghambar pur to Semra Ghat (2.00 km)	2.000	0.412	Motorable
35	Majhulia	L047 to Jagamba tola	1.585	0.030	Motorable
36	Majhulia	PMGSY to Bairagi Dih	2.125	0.188	Motorable
37	Majhulia	Man Road to Nayaka tola to mathiya Writ	1.650	0.128	Motorable
38	Bettiah	Bettiah police Line road	0.560	0.221	Motorable

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39	Bettiah	Dairy Farm to Kura Beldari	1.000	0.364	Motorable
40	Nautan	Areraj Bettiah Road Nawak tola to Lilapatti	8.000	0.468	Motorable
41	Nautan	KR High School to Sofwa tola	1.500	0.116	Motorable
42	Nautan	Tarkulwa to Mangalpur	5.680	0.100	Motorable
43	Nautan	Jagdeshpur to Machhargawan	7.350	0.823	Motorable
44	Bairia	Islam chowk tollathani	2.500	0.520	Motorable
45	Bairia	Bettiah Sanghat to Pujha	12.200	0.822	Motorable
46	Bairia	Sathghat to pakhanaha	11.500	0.275	Motorable
47	Bairia	Hat sarjay to Khushi tola	1.600	0.401	Motorable
48	Bairia	Bairiya to Harhi Bridge (Tumkaiya Chowk)	2.500	0.342	Motorable
49	Bairia	Machhargawan to fatu chhapar	2.800	0.233	Motorable
50	Bairia	T01 to Tadhawa nandpur	3.217	0.221	Motorable
51	Bairia	Police chowki to Koerpatti	0.920	0.264	Motorable
Total			187.05	14.65	

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28/12/2020

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28/12/2020
R.E.

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28/12/2020

Executive Engineer,
RWD, Works Div. Bagaha-1

बिहार सरकार
ग्रामीण कार्य विभाग

पत्रांक - मु0अ0-4 (मु0) विविध (कार्य)-23-40/16 - 2254

पटना, दिनांक 30/6/2020

प्रेषक,

पंकज कुमार पाल,
सचिव

सेवा में,

सभी कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
बिहार, पटना।

विषय- संभावित अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथों के आपातकालीन मरम्मत के संबंध में।

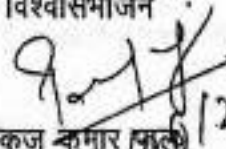
महाराज,

उपर्युक्त विषय के संबंध में कहना है कि राज्य में मानसून अति सक्रिय है जिसके कारण बाढ़ प्रवण जिलों में पथों के क्षतिग्रस्त होने की संभावना है। अतः निदेश दिया जाता है कि वर्तमान मानसून के दौरान अतिवृष्टि/बाढ़ से क्षतिग्रस्त पथों को मोटरेबुल बनाने का कार्य तत्परता से प्राथमिकता में किया जाय जिससे कि पथों में यातायात कम से कम समय तक बाधित रहे। इस क्रम में यह भी निदेश है कि जिला प्रशासन के साथ वर्षा-अवधि के दौरान लगातार समन्वय रखी जाय एवं उनसे प्राप्त पथों की मरम्मत का कार्य प्राथमिकता में कराया जाय।

ऐसे पथ जिनकी अनुरक्षण नीति के अन्तर्गत मरम्मत कार्य की निविदा प्रक्रिया में है उनको भी मोटरेबुल बनाए रखना विभाग का दायित्व है। इन्हें मोटरेबुल बनाए रखने में यदि प्राक्कलन में प्रावधानित मदों का उपयोग किया जाना आवश्यक हो तो वैसे स्थिति में एकरारनामा करने के समय इन मदों की उतनी मात्रा परिमाण विपत्र में से घटा दिया जाए।

क्षेत्रीय पदाधिकारी वर्षा-अवधि के दौरान बिना जिलाधिकारी अथवा अधोहस्ताक्षरी की अनुमति के मुख्यालय नहीं छोड़ेंगे।

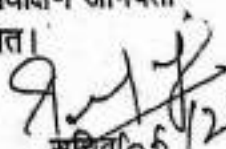
विश्वासभाजन


(पंकज कुमार पाल)
सचिव 30/6/2020

पत्रांक:- मु0अ0-4 (मु0) विविध (कार्य)23-40/16 - 2254

पटना, दिनांक 30/06/2020

प्रतिलिपि:- सभी प्रमंडल आयुक्त/जिलाधिकारी/सभी मुख्य अभियंता/सभी अधीक्षण अभियंता
ग्रामीण कार्य विभाग, बिहार, पटना को सूचनार्थ एवं आवश्यक कारवाई हेतु प्रेषित।


सचिव 30/06/2020

TECHNICAL REPORT

Name of Road :- L116 - Gardahiye to Hariharpur tola
Name of Block :- Yogapatti
Name of Division :- R.W.D. (W), Division, Bettiah
Name of District :- West Champaran
Estimated Cost :- A. 4,50,601=00
Restoration Length :- 0.335 Kms

This Estimate is prepared for Restoration of L116 - Gardahiye to Hariharpur tola.

.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide, शापक:- मु०अ० -4 (मु०) विविध (कार्य) 23-40/16-2254 पटना, दिनांक 30.06.2020. Road remains effected from flooded about 01 to 02 weeks and heavy amount of water passed through it.

Honorable Chief Minister/Secretary, Rural Works Department, Bihar, Patna/D.M., West Champaran, Bettiah/Concerned MP/MLA has instructed to maintain the traffic and movement of public etc. at the earliest so that public of this area may get connected and for the same Departmental instruction has also been issued to fill the gap made by flooded immediately.

The area surrounding is submerged in water and hence provision of Earthwork, Brick bats, sand bags......has been made to maintain the road damage due to flood/heavy rainfall as per availability of material from available place by tractor. Presently there is no Contractor is employed for Construction and Maintenance of this road hence the work has been carried out Departmentally and due to this, provision of Contractor profit is not mentioned in the estimate.

In view of above, it is requested to approve the estimate amounting to Rs. 4,50,601=00 please.
Submitted for Technical Approval please.

[Signature]
20.10.20
Senior Engineer,
Yogapatti

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Assistant Engineer,
Yogapatti

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20.10.20
Executive Engineer
R.W.D.(W) Division, Bettiah

(RURAL WORKS DEPARTMENT, GOVT. OF BIHAR)
COST ESTIMATE FOR traffic Restoration

Name of Road: L116-GARDAHIYA TO HARIHARPUR TOLA
District: WEST CHAMPARAN

Block: YOGAPATTI
Cutting length

Length: 335.000 m
335.00 M

S. No.	SOR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount
		(B) EARTHWORK								
1	3.3	Construction of Embankment with Material Obtained from Roadway cutting								
		Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5								
		As per measurement					366.385	Cum.	25.32	9276.87
2	RCD	Placing Tractor at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip excluding C.P. including								
		As per measurement					366.385	cum	450.77	165156.50
3	RCD	Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge								
		As per measurement					117.30	cum	1703.77	199855.41
4	RCD(12.9)	Laying filled sand bag stitching and placing etc.all complete as per specification and direction of Engineer	1				520.00	per bag	24.59	12785.55
		Total Road work								387074.33
		Say Rs.								46448.92
		Add GST @12%								3870.74
		Add Labour Cess @1%								13206.73
		Add Seignrage Fee@10% of basic material rate								450600.72
		Total Cost of work								450601
		Say Total Rs.								

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Technically approved for amount Rs. 4,50,601/-
(₹ Four lakh fifty thousand six hundred one) only.

Certified Copy

SA

अधीक्षण अभियन्ता
प्रामीण कार्य विभाग
कार्य अंचल बेतिया

SA
15/12/20
अधीक्षण अभियन्ता
प्रामीण कार्य विभाग
कार्य अंचल बेतिया

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10
20
100
430
450
490
590
230
340

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150
10
250
280
460
18
140
70

Detailed Measurement Brick Bat				
No	L(m)	W(m)	D(m)	Qty(cum)
0-180 0-120 0-210 0-320 0-408 0-430 0-450 0-490 0-590 1-230 1-340	2	7	$(3.80+5.50)/2$	1.20
	2	3.5	$(2.20+2.0)/2$	0.60
	2	5.5	2.2	0.25
	1	2.6	1.9	0.40
	1	3.05	1.95	0.35
	2	4.5	1.8	0.40
	1	3.5	2.1	0.30
	1	3.8	2.15	0.35
	2	2.55	2.1	0.45
	1	2.6	1.65	0.25
	2	2.3	1.75	0.35
TOTAL				117.30

Detailed Measurement Earth Work (in flank)				
No	L(m)	W(m)	D(m)	Qty(cum)
0-058 0-110 0-250 0-280 0-460 1-28 1-240 1-370	2	12	$(1.15+2.05)/2$	$(1.20+0.80)/2$
	2	30	$(1.10+1.95)/2$	1.20
	1	22	$(0.95+1.5)/2$	$(1.20+0.60)/2$
	1	14	0.9	0.60
	2	9.5	2.6	0.60
	2	16	0.95	0.70
	2	28	$(1.05+1.70)/2$	$(0.90+0.60)/2$
	2	21	$(2.5+1.2)/2$	$(1.2+0.80)/2$
TOTAL				366.39

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SEIGNIORAGE FEE CALCULATION SHEET

Name of Road L116-GARDAHIYA TO HARHARPUR TOLA
District WEST CHAMPARAN
Block YOGAPATTI
Link No- S-0

Item description	unit	Quantity of Consuming Item	Materials Required/ Unit	Unit	Quantity/ Unit	Total Quantity Required	Rate	Amount	Seigniorage Fee (RS)	Final Amount (RS)
Earth Work	Cum	366.385	Earth	Cum	1.0	366.385	34.81	12753.86	1275.386	1275.39
Brick bats	Cum	117.30	Brick bats	Cum	1.0	117.3016	1017.00	119295.8	11929.58	11929.57526
Sand Bags	per bag	520.00	sand	No.	1.0	520	0.034	17.68	1.768	1.768
Total Amount of seigniorage fee in construction (Rs)										13206.73

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RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL

Carriage Cost (Surfaced Road):
Carriage Cost (Un Surfaced Road):
Carriage Cost (Kacha Road):

With truck
Rs 6.79 Per Tonne Per Km
Rs 8.17 Per Tonne Per Km
Rs 18.45 Per Tonne Per Km

With tractor
Rs 17.25 Per Tonne Per Km
Rs 21.55 Per Tonne Per Km
Rs 26.95 Per Tonne Per Km

NAME OF ROAD : L116-GARDAHIYA TO HARIHARPUR TOLA
BLOCK : YOGAPATTI

DISTRICT WEST CHAMPARAM

S.NO.	Material	Railway Freight (Rs)	Lead Distance(Km)			Loading	Unloading	Unit	Carriage Cost Per Km			Total Carriage Cost	SOURCE
			Surface Road	Unsurfaced Road	Kaccha Road				Surface Road	Unsurfaced Road	Kaccha Road		
1	Aggregate for WBM Gril & Gr	1,987.88	20	0	0	109.85	66.46	Cum	236.69	0.00	0.00	2400.88	SHEKIPUR A
2	Crushed Stone for Concrete work	1,833.26	20	0	0	109.85	66.46	Cum	217.72	0.00	0.00	2227.29	SHEKIPUR A
3	Stone Chips (For PMC & Seal Coat)	1,833.26	20	0	0	109.85	66.46	Cum	217.72	0.00	0.00	2227.29	MIRJA CHOWK
4	Moorum	1,439.39	20	0	0	66.46	41.61	Cum	181.07	0.00	0.00	1728.53	SHEKIPUR A
5	Cement		20	0	0	163.11	163.11	MT	135.80	0.00	0.00	462.02	Local
6	Coarse Sand		147	0	0	66.46	41.61	Cum	1800.21	0.00	0.00	1708.28	KOILWAR
7	Fine Sand(Local Sand)		2	0	1	66.46	41.61	Cum	21.77	0.00	26.37	156.21	Local
8	Steel Reinforcement		20	0	0	173.19	173.19	Tonne	135.80	0.00	0.00	482.18	Local
9	RCC Pipe NP3 (1000 mm dia)		45	0	0	29.56	24.30	RM	244.44	0.00	0.00	298.30	Local
10	RCC Pipe NP3 (600 mm dia)		45	0	0	20.04	13.41	RM	97.78	0.00	0.00	131.23	Local
13	Jhama metal		7		1	210.41	210.41	1000 No.	483.00	0.00	107.80	1011.62	Local
13	Brick Bat		7		1	210.41	210.41	1000 No.	483.00	0.00	107.80	1011.62	Local
15	Stone Boulders	2,017.58	20			109.85	66.46	Cum	271.60	0.00	0.00	2485.49	SHEKIPUR A
16	Earth by tractor		20		1	182.39		Cum	276.00		43.12	504.51 504.51	Rampura
16	Earth by truck		16		1	66.46	41.61	Cum	90.53		21.93	220.53	Rampura

Redline
20/10/20

J.E.

20/10/20
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