

GOVERNMENT OF BIHAR

UNDER FLOOD DAMAGE REPAIR

Estimate for Restoration of Traffic

DISTRICT :	WEST CHAMPARAN	BLOCK :	MAJHAULIA
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YEAR(2020-2021)

NAME OF ROAD :	BAKULAHAR TO BANKAT
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Total Length	:	0.140	KMS	
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Cost of Pavement (Rs.)	:	670192		
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Total Cost Of Road (Rs.)	:	670192		
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SUBMITTED BY

Executive Engineer RWD

Works Division, Bettiah

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

पत्रांक..... / दिनांक..... ।

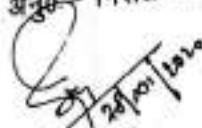
प्रेषक,
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

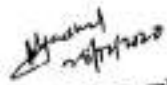
सेवा में,
अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल बेतिया

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

प्रसंग:- भवदीय का पत्रांक -1312/ बेतिया दिनांक - 26.08.2020 ।

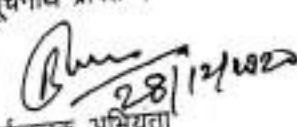
महाराज,
उपर्युक्त विषयक प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, बेतिया द्वारा उपलब्ध कराये गए मोटरबुल पथों की सूची में अंकित पथों का निरीक्षण अद्योहस्ताक्षरी द्वारा सहायक अभियंता, श्री अजय कुमार एवं सहायक अभियंता, विरलाल जायसवाल के साथ किया गया । निरीक्षण के दौरान कार्य प्रमंडल, बेतिया द्वारा प्रतिवेदित सभी पथों पर यातायात चालू है । अग्रेतर कार्रवाई हेतु समर्पित किया जाता है ।
अनु०- 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
हो
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 FDR 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 Sirkahiya	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 Banikat	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 Laigarh Path	6.500	0.340	Motorable
25	Majhulia	Pipra Ganauli to Laigarh Path	2.000	0.135	Motorable
26	Majhulia	Amwa Majhar to Farwa path	5.000	0.374	Motorable
27	Majhulia	Bakhariya to karmawa	1.500	0.120	Motorable
28	Majhulia	Semraghat to Briti tola	1.500	0.120	Motorable
29	Majhulia	Semraghat to Briti tola	2.100	0.140	Motorable
30	Majhulia	L056-Sekh toli to malah Toli	3.000	0.450	Motorable
31	Majhulia	Parsa To Dumariya majhulia	4.000	0.533	Motorable
32	Majhulia	Mahanwa to Rampurwa To bakulia tola	4.550	0.281	Motorable
33	Majhulia	L073-T02 to Gudra	2.100	0.240	Motorable
34	Majhulia	Baghambar pur to Semra Ghat (2.1 km)	4.648	0.219	Motorable
35	Majhulia	Barwa to Bhogari	2.000	0.412	Motorable
36	Majhulia	Baghambar pur to Semra Ghat (2.00 km)	1.585	0.030	Motorable
37	Majhulia	L047 to jagamba tola	2.125	0.188	Motorable
38	Majhulia	PMGSY to Bairagi Dih	1.650	0.128	Motorable
39	Majhulia	Man Road to Nayaka tola to mathiya Writ	0.560	0.221	Motorable
40	Bettiah	Bettiah police Line road			

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39	Bettiah	Dairy Farm to Kura Beldari	1.000	0.364	Motorable
40	Nautan	Arera] bettiah Road Nawak tola to Lilapati	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	Jagdishpur to Machhargawan	7.350	0.823	Motorable
44	Bairia	Islam chowk to Bathani	2.500	0.520	Motorable
45	Bairia	Bettiah Santghat to Pujha	12.200	0.022	Motorable
46	Bairia	Santghat to pakhanaha	11.500	0.275	Motorable
47	Bairia	Hat sariay 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	0.930	0.264	Motorable
Total			187.05	14.65	

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28/1/2020
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।

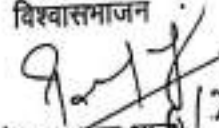
महाराज,

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 मोटरबुल 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 मोटरबुल बनाए रखना विभाग का दायित्व है। इन्हें मोटरबुल 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।

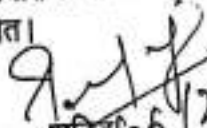
विश्वासभाजन


(पंकज कुमार पाल)
सचिव
30/6/2020

ज्ञापक:- 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
30/6/2020

TECHNICAL REPORT

Name of Road :- Bakulahar to Bankat

Name of Block :- Majhauria

Name of Division :- Works Division, Bettiah

Name of District :- West Champaran

Estimated Cost :- Rs 6,70,192 = w

Restoration Length :- 0.140 KM

This Estimate is prepared for Restoration of Bakulahar to Bankat

..... road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide,

आपका: मु0अ0 -4 (मु0) 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 H.P. culvert

..... Earth work, Brick bat, ~~Flame Net~~ has been made to

maintain the road damage due to flood/heavy rainfall as per availability of material from available place by

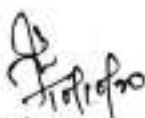
tractor. Presently there is no Contractor is employed for Construction and Maintenance of this road hence

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. 6,70,192 = w please

Submitted for Technical Approval please.


Assistant Engineer,
Majhauria


Assistant Engineer,
Majhauria


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

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

Name of Road: BAKULAHAR TO BANKAT
District: WEST CHAMPARAN

Block: MAJHAULIA Length: 140.000 m
Cutting length 140 M

S. No.	SOR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount
1		Providing and laying reinforced cement concrete pipe (RCP) for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry	3	2.50			7.50	M	4744.43	35583.00
2	3.3	(B) EARTHWORK 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 excluding C.P.								
		As per measurement					177.723	Cum.	25.32	4499.95
3	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 Carriage								
		As per measurement					177.723	cum	422.90	75158.68
4	RCD	Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge								
		As per measurement					266.09	cum	1703.77	453348.60
5	RCD	Laying Jhama metal on prepared soil surface as per Specification & direction of Engineer Incharge								
		As per measurement					0.00	cum	2106.67	0.00
		Total Road work								548599.23
		Say Rs. (Lac)								548599.23
		Add GST @12%								65830.83
		Add Labour Cost @15%								8225.99
		Add Seigniorage Fee @10% of basic material rate								27684.77
		Total Cost of work								670191.73
		Say Total Rs.								670192

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Post facto

Technically approved for amount Rs. 6,70,192/-
(Six Lakh Seventy thousand one hundred and
Ninety two) only.

अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल बेतिया

29/11/2020

Detailed Measurement Earthwork				
No	L(m)	W(m)	D(m)	Qty(cum)
2	35	$(1.0+1.2)/2$	$(1.5+2.2+1.6)/3$	136.033
1	30	$(1.0+1.3)/2$	$(1.2+1.8+1.4)/3$	50.600
TOTAL	65			177.72

Detailed Measurement Brick bat				
No	L(m)	W(m)	D(m)	Qty(cum)
1	32	$(7.0+6.5)/2$	$(0.7+1.1+0.6)/3$	172.800
		Less for Hume Pipe		(-)8.91
TOTAL	32			163.890

Detailed Measurement Brick Bat				
No	L(m)	W(m)	D(m)	Qty(cum)
1	25	$(6.0+3.75)/2$	$(0.90+0.60+0.3)/3$	73.125
1	18	$(5.6+3.90)/2$	$(0.32+0.40+0.3)/3$	29.070
TOTAL	43			102.195

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SEIGNIORAGE FEE CALCULATION SHEET

Name of Road BAKULAHAR TO BANKAT
District WEST CHAMPARAN
Block MAJHAULIA
Link No- S-0

Item description	unit	Quantity of Consumin g Item	Materials Required/ Unit	Unit	Quantit y/ Unit	Total Quantity Required	Rate	Amount	Seigniorag e Fee (RS)	Final Amount (RS)
Earth Work	Cum	177.7233	Earth	Cum	1.0	177.7233	34.81	6186.5492	618.6549	618.65
Brick bats	Cum	266.09	Brick bats	Cum	1.0	266.085	1017.00	270608.45	27060.84	27060.8445
Jhama Metal	Cum	0.00	Jhama Metal	Cum	1.0	0	1233	0	0	0
1000 MM Dia	RM	7.50	Sand at site	Cum	0.04	0.3	175.8	52.74	5.274	5.274
Total Amount of seigniorage fee in construction (RS)										27684.77

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RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL

With truck

Rs 6.79 Per Tonne Per Km

Rs 8.17 Per Tonne Per Km

Rs 16.45 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

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

NAME OF ROAD
BLOCK

BAKULAHAR TO BANKAT
MAJHAULIA

DISTRICT WEST CHAMPARAN

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 I	1,987.88	20	0	0	109.85	66.46	Cum	236.69	0.00	0.00	2400.88	SHEKHPUR A
2	Crushed Stone for Concrete work	1,633.26	20	0	0	109.85	66.46	Cum	217.72	0.00	0.00	2227.29	SHEKHPUR A
3	Stone Chips (For PMC & Seal Coat)	1,633.26	20	0	0	109.85	66.46	Cum	217.72	0.00	0.00	2227.29	MIRJA CHOWKI
4	Moorum	1,439.39	20	0	0	66.46	41.61	Cum	181.07	0.00	0.00	1728.53	SHEKHPUR 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	1600.21	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	2465.49	SHEKHPUR A
16	Earth by tractor		7		1	182.39		Cum	193.20		43.12	418.71	422.90 Sariswan
16	Earth by truck		7		1	66.46	41.61	Cum	63.37		21.93	193.37	Sariswan

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10.10.20
EE.