

GOVERNMENT OF BIHAR

UNDER FLOOD DAMAGE REPAIR

Estimate for Restoration of Traffic

DISTRICT :	WEST CHAMPARAN	BLOCK :	MAJHAULIA
YEAR(2020-2021)			
NAME OF ROAD :	PMGSY TO BAIRAGI DIH		
Total Length	:	0.177	KMS
Cost of Pavement (Rs.)	:	1116754	
Total Cost Of Road (Rs.)	:	1116754	
SUBMITTED BY			
Executive Engineer RWD			
Works Division, Bettiah			

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

पत्रांक..... / दिनांक..... 1

प्रेषक,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

सेवा में,

अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल बेतिया

विषय:-

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

प्रसंग:-

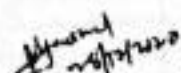
भवदीय का पत्रांक -1312/ बेतिया दिनांक - 26.08.2020।

महोदय,

उपर्युक्त विषयक प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, बेतिया द्वारा उपलब्ध कराये गए मोटरेबुल 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

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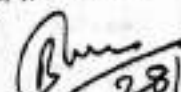
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-1

ज्ञापक 2833

/ बगहा-1

दिनांक 28/12/2020

प्रतिलिपि :- कार्यपालक अभियंता ग्रा० का० वि० कार्य प्रमंडल, बेतिया को सूचनार्थ प्रेषित।


28/12/2020
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 Remarks
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 Bankat	1.815	0.135	Motorable
18	Majhulia	Harpur to T01 to harpur Chowk	2.840	0.163	Motorable
19	Majhulia	Sariswa Dhodha to Turha 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 Lalgarh 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	1056-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 Dib	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

39	Bettiah	Dairy Farm to Kura Bellari	1.000	0.364	Motorable
40	Nautilan	Arenal Bettiah Road Nawak tola to Lilapatti	8.000	0.468	Motorable
41	Nautilan	K.R. High School to Sofwa tola	1.500	0.216	Motorable
42	Nautilan	Tarkhura to Mangalpur	5.600	0.100	Motorable
43	Nautilan	Jagdishpur to Machhargawan	7.350	0.823	Motorable
44	Bairia	Islam chowk to Rathani	2.500	0.528	Motorable
45	Bairia	Bettiah Sathghat to Pujha	12.200	0.822	Motorable
46	Bairia	Sathghat to Pakhanaha	11.500	0.875	Motorable
47	Bairia	Hai saraiy to Khushi tola	1.600	0.401	Motorable
48	Bairia	Bairiya to Harbi Bridge (Turnkaiya Chowk)	2.500	0.342	Motorable
49	Bairia	Machhargawan to fayu chhapar	2.800	0.233	Motorable
50	Bairia	TDI to Tadhawa nandpur	3.217	0.271	Motorable
51	Bairia	Police chowki to Koerpatti	0.950	0.264	Motorable
Total			187.05	14.65	

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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-

समावित अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथों के आगमन मरम्मत के संबंध में।

संज्ञास्थ,

उपर्युक्त विषय के संबंध में कहना है कि राज्य में मानसून अबि सार्व है जिसके कारण बाढ़ प्रवण जिलों में पथों के क्षतिग्रस्त होने की संभावना है। अतः निर्देश 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 निर्देश 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 जाने में यदि प्राक्कलन में प्राक्धानित 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 उप-डिवीजनरी की अनुमति के मुख्यालय नहीं छोड़ेंगे।

विश्व अग्रज

9/17/2020
(पंकज कुमार पाल)
वि

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

पटना, दिनांक 30/06/2020

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

9/17/2020
वेब/06/2020

TECHNICAL REPORT

Name of Road :- PMGSY to Bairagi Dih.

Name of Block :- Majhauria

Name of Division :- Works Division, Bettiah

Name of District :- West Champaran

Estimated Cost :- Rs 11,16,754 = w

Restoration Length :- 0.177

This Estimate is prepared for Restoration of PMGSY to Bairagi Dih

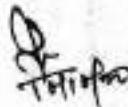
.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide,
आपांक:- मु0अ0 -4 (मु0) विविध (कार्य) 23 -40 /16-2254 पटना, दिनांक 30.06.2020. Road remains effected
from flooded about 01 to 02 weeks and heavy amount of water passed through it.

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
~~Earthwork~~ Brick bat, ~~Thamra~~ 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. 11,16,754 = w please.

Submitted for Technical Approval please.


Junior 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: PMGSY TO BAIRAGI DIH
District: WEST CHAMPARAN

Block: MAJHAULIA
Cutting length

Length: 177.000 m
177 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 NF3 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								
			6	2.50			15.00	M	4744.43	71166.00
		(B) EARTHWORK								
2	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 excluding C.P.								
		As per measurement					0.000	Cum.	25.32	0.00
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					0.000	cum	450.77	0.00
4	RCD	Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge								
		As per measurement					511.27	cum	1703.77	871088.34
5	RCD	Laying Jhama metal on prepared soil surface as per Specification & direction of Engineer Incharge								
		As per measurement					0.00	cum	2105.67	0.00
		Total Road work								942254.34
		Say Rs. (Lac)								942254.34
		Add GST @12%								113070.52
		Add Labour Cess @1%								9422.54
		Add Seignorage Fee@10% of basic material rate								52006.71
		Total Cost of work								1116754.11
		Say Total Rs.								1116754

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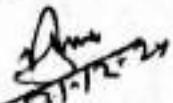
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Post facto

Technically Approved for Rs: 14,16,754=00

Up: Eleven ~~thousands~~^{lacs} Sixteen thousands seven hundred and fifty four) only.

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अधीक्षण अभियन्ता
प्रामीण कार्य विभाग
कार्य अंचल बेतिया

अधीक्षण उपा
प्रामीण कार्य विभाग
कार्य अंचल बेतिया

Detailed Measurement Brick bat				
No	L(m)	W(m)	D(m)	Qty(cum)
1	15	$(7.0+5.5)/2$	$(0.9+1.5+0.8)/3$	100.000
2	20	$(7.0+5.0)/2$	$(0.8+1.2+0.7)/3$	216.000
	Less for Hume Pipe			(-)8.91
TOTAL				307.090

Detailed Measurement Brick Bat				
No	L(m)	W(m)	D(m)	Qty(cum)
2	26	$(6.0+3.75)/2$	$(0.35+0.45+0.3)/3$	92.950
2	21	$(5.6+3.90)/2$	$(0.32+0.40+0.3)/3$	67.830
1	28	$(5.5+3.80)/2$	$(0.30+0.40+0.3)/3$	43.400
TOTAL				204.180

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SEIGNIORAGE FEE CALCULATION SHEET

Name of Road PMGSY TO BAIRAGI DIH
District WEST CHAMPARAN
Block MAJHAULLA
Link No- S-0

Item description	unit	Quantity of Consumable Item	Materials Required/ Unit	Unit	Quantity of Unit	Total Quantity Required	Rate	Amount	Seigniorage Fee (RS)	Final Amount (RS)
Earth Work	Cum	0	Earth	Cum	1.0	0	34.81	0	0	0.00
Brick bats	Cum	511.27	Brick bats	Cum	1.0	511.27	1017.00	519961.59	51996.16	51996.159
Tham Metal	Cum	0.00	Tham Metal	Cum	1.0	0	1233	0	0	0
1000 MM Dia	RM	15.00	Sand at site	Cum	0.04	0.6	175.8	105.48	10.548	10.548
Total Amount of seigniorage fee in construction (RS)										52006.71

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RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL

Carrage Cost (Surfaced Road)
Carrage Cost (Un Surfaced Road)
Carrage Cost (Kaccha Road)

With truck
Rs 6.79 Per Tonne Per Km
Rs 8.17 Per Tonne Per Km
Rs 15.45 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

PROJECT TO BARRAGE DIN
MAJHAULIA

DISTRICT WEST CHAMPARAN

S.NO	Material	NAME OF ROAD BLOCK	Railway Freight (Rs)	Lead Distance(Km)			Loading	Unloading	Unit	Carrage Cost Per Km			Total Carrage Cost	SOURCE
				Surface Road	Unsurfaced Road	Kaccha Road				Surface Road	Unsurfaced Road	Kaccha Road		
1	Aggregate for WBM Grt & Gr		1,967.88	20	0	0	109.85	66.46	Cum	236.69	0.00	0.00	2400.88	SHEKHPUR A
2	Crushed Stone for Concrete work		1,833.26	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)		1,833.26	20	0	0	109.85	66.46	Cum	217.72	0.00	0.00	2227.29	MIRJA CHOWKI
4	Moonum		1,436.39	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	482.16	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 (800 mm dia)			45	0	0	20.04	13.41	RM	97.78	0.00	0.00	131.23	Local
11	Jhama metal			7		1	210.41	210.41	1000 No.	483.00	0.00	107.80	1011.62	Local
12	Brick Bat			7		1	210.41	210.41	1000 No.	483.00	0.00	107.80	1011.62	Local
13	Stone Boulders		2,017.58	20			109.85	66.46	Cum	271.60	0.00	0.00	2465.49	SHEKHPUR A
14	Earth by tractor			8		1	182.39		Cum	220.80		43.12	446.31	450.77 Sariswan
15	Earth by truck			10		1	66.46	41.61	Cum	72.43		21.93	202.43	Sariswan

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