

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

प्रेषक,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

सेवा में,

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल बगिया

विषय-

वर्ष 2020 के बाढ़ में क्षतिग्रस्त पथों की मोटरबुल कराने हेतु किये गये कार्य की राश के संबंध में ।

प्रसंग-

भारतीय का पत्रांक -1312/ बगिया दिनांक - 26.08.2020 ।

सारांश,

उपरोक्त विषयक प्रारंभिक पत्र के अनुपालन में कार्य प्रमंडल, बगिया द्वारा उल्लेख करायें गए मोटरबुल पथों की सूची में अंकित पथों का निरीक्षण अधीक्षक अभियंता श्री अजय कुमार एवं सहायक अभियंता, दिवाला जयसवाल के साथ किया गया । निरीक्षण के दौरान कार्य प्रमंडल, बगिया द्वारा प्रतिदिन सभी पथों पर गालाघाल खालू है । अतिरिक्त कार्यवाई हेतु सर्वेक्षण किया जाता है ।

अनु- निरीक्षण किये गये पथों की सूची संलग्न ।

(अजय कुमार)

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

(दिवाला जयसवाल)

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा -1

विश्वासमान

हस्ताक्षर

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-1

ज्ञापाक 28.33

/ बगहा-1

दिनांक 28/12/2020

प्रतिलिपि - कार्यपालक अभियंता या0 का0 वि0 कार्य प्रमंडल, बगिया को सूचनाार्थ 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 Per meter
1	Yogapatti	L056-BHAWANIPUR TO RAMNA	3.800	0.336	Motorable
2	Yogapatti	kawalpur to Dhabelwa Madrasha (L065)	4.078	0.412	Motorable
3	Yogapatti	Nawalpur Chowk to Sirkuhiya	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 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	I056-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

39	Bettiah	Dairy Farm to Kura Beldari			
40	Nautan	Areraj Bettiah Road Nawak tola to Lilapatti	1.000	0.364	Motorable
41	Nautan	KR High School to Sufwa tola	8.000	0.468	Motorable
42	Nautan	Tarkulwa to Mangalpur	1.500	0.116	Motorable
43	Nautan	Jagdishpur to Machhargawan	5.680	0.100	Motorable
44	Bairia	Islam chowk to Bhatani	7.350	0.823	Motorable
45	Bairia	Bettiah Santghat to Pujha	2.500	0.520	Motorable
46	Bairia	Sathghat to pakhanaha	12.200	0.022	Motorable
47	Bairia	Hat sariay to Khushi tola	11.500	0.275	Motorable
48	Bairia	Bairiya to Harhi Bridge (Tumkaiya Chowk)	1.600	0.401	Motorable
49	Bairia	Machhargawan to fatu chhapar	2.500	0.342	Motorable
50	Bairia	T01 to Tadhawa nandpur	2.800	0.233	Motorable
51	Bairia	Police chowki to Koerpatti	3.217	0.221	Motorable
			0.930	0.264	Motorable
		Total	187.05	14.65	

[Signature]
28/12/2020

[Signature]
28/12/2020
RE

[Signature]
28/12/2020
Executive Engineer,
RWD, Works Div. Bagaha-1

पत्रांक - मु0अ0-4 (मु0) विविध (कार्य)-23-40/16 - 2254
 प्रेषक, बिहार सरकार
 ग्रामीण कार्य विभाग

प्रा. दि. 30/6/2020

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

संभावित अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथों के आसपास मरम्मत के संबंध में।

उपर्युक्त विषय के संबंध में कहना है कि राज्य में मानसून अति वर्षा के कारण बाढ़ प्रवण जिलों में पथों के क्षतिग्रस्त होने की संभावना है। अतः निम्नलिखित वर्तमान मानसून के दौरान अतिवृष्टि/बाढ़ से क्षतिग्रस्त पथों को मोटरबल तत्परता से प्राथमिकता में किया जाय जिससे कि पथों में यातायात कम से कम रुक रहे। इस क्रम में यह भी निर्देश है कि जिला प्रशासन के साथ वर्षा-अवधि के समन्वय रखी जाय एवं उनसे प्राप्त पथों की मरम्मत का कार्य प्राथमिकता में करा जाय।

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

क्षेत्रीय पदाधिकारी वर्षा-अवधि के दौरान बिना जिलाधिकारी या तहसीलदार की अनुमति के मुख्यालय नहीं छोड़ेंगे।

(पंचक)

ज्ञापांक:- मु0अ0-4 (मु0) विविध (कार्य)23-40/16 - 8254 पटना, दि
प्रतिलिपि:- सभी प्रमंडल आयुक्त/जिलाधिकारी/सभी मुख्य अभियंता/सभी उ.पे.
ग्रामीण कार्य विभाग, बिहार, पटना को सूचनार्थ एवं आवश्यक कारवाई हेतु प्रेषित।

30/06/2020
અભિયાંતા

17
06/2020

TECHNICAL REPORT

Name of Road :- PMGSY to Baisagi Dih

Name of Block :- Majhauria

Name of Division :- Works Division, Bettiah

Name of District :- West Champaran

Estimated Cost :- Rs 11,16,754 = 10

Restoration Length :- 0.177 KM

This Estimate is prepared for Restoration of PMGSY to Baisagi
..... Dih

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

शापक :- मु०अ० -४ (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.

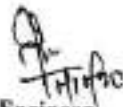
Honorable Chief Minister/Secretary, Rural Works Department, Bihar, Patna/D.M., West Champaran. Bettiah/Concerned MP/MLA has instructed to maintain the traffic and movement of public etc. at the earliest so that public of this area may get connected and for the same Departmental instruction has also been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

The area surrounding is submerged in water and hence provision of H.P. culvert,
..... Earthwork, Brick bat, 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 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: MAJHAULLA
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 NP3 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.					0.000	Cum.	25.32	0.00
		As per measurement								
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					0.000	cum	450.77	0.00
		As per measurement								
4	RCD	Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge					511.27	cum	1703.77	871088.34
		As per measurement								
5	RCD	Laying Shama metal on prepared soil surface as per Specification & direction of Engineer Incharge					0.00	cum	2106.67	0.00
		As per measurement								942254.34
		Total Road work								942254.34
		Say Rs. (Lac)								113070.52
		Add GST @12%								9422.54
		Add Labour Cess @1%								52006.71
		Add Seignrage Fee@10% of basic material rate								1116754.11
		Total Cost of work								1116754
		Say Total Rs.								

Am
10/10/20
J/E

B
10/10/20
AE

Am
10-10-20
EE

Porr faults

Technically approved for Rs. 11,16,754.00

(Rs. Eleven ^{lacs} ~~thousand~~ Sixteen Hundred Thousands
Seven Hundred and Fifty four) only.


भण्डारण अभियन्ता
प्रामाणिक कार्य विभाग
कार्य अंचल बेतिया
28/11/2020



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

[Signature]
JE

[Signature]
10/10
AE

[Signature]
EE/10.10.20

SEIGNIORAGE FEE CALCULATION SHEET

Name of Road PMGSY TO BAIRAGI DIH
District WEST CHAMPARAN
Block MAJHAULIA
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	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
Jhama Metal	Cum	0.00	Jhama 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

Am
10/10/20
J-E

1
Am
10/10/20
EE

RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL

With truck

With tractor

Rs 6.79 Per Tonne Per Km

Rs 17.25 Per Tonne Per Km

Rs 8.17 Per Tonne Per Km

Rs 21.55 Per Tonne Per Km

Rs 16.45 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 : PMGSY TO BAIRAGI DIH

BLOCK : 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 Grli & 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	1,833.26	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	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		8		1	182.39		Cum	220.80		43.12	446.31	450.77 Sariswan
18	Earth by truck		10		1	66.46	41.61	Cum	72.43		21.93	202.43	Sariswan

Signature
10/10/20
AE

Signature
10/10/20
AE

Signature
10.10.20
GE