

GOVERNMENT OF BIHAR

UNDER FLOOD DAMAGE REPAIR

Estimate for Restoration of Traffic

DISTRICT :	WEST CHAMPARAN	BLOCK :	BAIRIYA	
YEAR(2020-2021)				
NAME OF ROAD :	BAIRIYA TO HARAHI BRIDGE (TUMKARIYA CHOWK)			
Total Length	:	0.342	KMS	
Cost of Pavement (Rs.)	:	596150		
Total Cost Of Road (Rs.)	:	596150		
SUBMITTED BY				
Executive Engineer RWD				
Works Division, Bettiah				

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।

महाशय,

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 एकशरनामा 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।

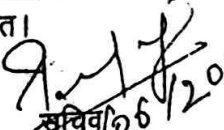
विश्वासभाजन


(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 :- *Bainye to Harahi Bridge (Tunkariya Chauh)*
Name of Block :- *Bainye*
Name of Division :- *R.W.D. Bettiah.*
Name of District :- *West Champaran*
Estimated Cost :- *Rs 5,96,150/-*
Restoration Length :- *0.342 km*

This Estimate is prepared for Restoration of *Bainye to Harahi Bridge*
..... *(Tunkariya Chauh)*
.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide,
ज्ञापक:- 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 *Laying Brick Bats*
.....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. *5,96,150/-* please.
Submitted for Technical Approval please.

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24/9/20
Senior Engineer,
Bairiya

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24/9/20
Assistant Engineer,
Bairiya

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24/9/20
Executive Engineer
R.W.D.(W) Division, Bettiah

(RURAL WORKS DEPARTMENT)
COST ESTIMATE FOR traffic Restoration

Name of Road: BAIRIYA TO HARAHU BRIDGE (TUMKARIYA CHOWK)
District: WEST CHAMPARAN

Block: BAIRIYA
Cutting length

Length: 342.00 m
342.00 M

S. No.	SOR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rate (in Rs.)	Amount
3	RCD	Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge					294.11	cum	1703.77	501996.86
		As per measurement								501996.86
		Total Road work								501996.86
		Say Rs.								60131.62
		Add GST @12%								5010.97
		Add Labour Cess @1%								29910.99
		Add Seignrage Fee@10% of basic material rate								596150.44
		Total Cost of work								596150
		Say Total Rs.								

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Detailed Measurement Brick Bat				
No	L(m)	W(m)	D(m)	Qty(cum)
1	14.05	2.40	0.35	11.80
1	28.50	2.20	0.40	25.08
1	11.60	2.50	0.30	8.70
4	8.60	2.60	0.40	35.78
1	27.40	2.15	0.35	20.62
1	14.70	2.40	0.30	10.58
1	9.50	2.20	0.45	9.41
1	32.70	2.60	0.35	29.76
1	24.30	2.40	0.25	14.58
1	42.30	2.60	0.35	38.49
1	31.60	2.40	0.30	22.75
1	27.50	2.50	0.35	24.06
1	42.50	2.50	0.40	42.50
TOTAL	315.25			294.11

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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 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

NAME OF ROAD : BAIRIYA TO HARAHI BRIDGE (TUMKARIYA CHOWK)
BLOCK : BAIRIYA

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	1,833.26	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	KOULWAR
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 Rampurwa
16	Earth by truck		10		1	66.46	41.61	Cum	72.43		21.93	202.43	Rampurwa

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RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL

Carriage Cost (Surfaced Road): Rs 6.79 Per Tonne Per Km
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 Carriage Cost (Kacha Road): Rs 16.45 Per Tonne Per Km

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 Rs 26.95 Per Tonne Per Km

NAME OF ROAD : BAIRIYA TO HARAHU BRIDGE (TUMKARIYA CHOWK)
 BLOCK : BAIRIYA

DISTRICT WEST CHAMPARAN

S.NO.	Material	Railway Freight (Rs)	Lead Distance(Km)			Loading	Unloading	Unit	Carriage Cost Per Km			Total Carriage Cost		SOURCE
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5	Cement		20	0	0	163.11	163.11	MT	135.80	0.00	0.00	462.02		Local
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