

Date:

1. Name of PUC-
2. Name of Block/Road- NH-80 KHATIKA TO TAPUR RANHA

A. For Road

1. Damage Location/Chainage CH- 300 to 700 m and 2400 m to 2800 m
2. Damage Length 800 m
3. Nature of Damage Road cut and 4 nos CD damaged
4. Details of Restoration works
 - i. Material being used in Restoration works: GSB, Earth 2015
 - ii. Equipments/Tools being used in Restoration works:
 - iii. Procedure taken up in Restoration works:
 - iv. Restored Length :- 268 m

B. For Bridge

1. Damage Location/Chainage
2. Damage Length
3. Nature of Damage
4. Details of Restoration works
 - i. Material being used in Restoration works:
 - ii. Equipments/Tools being used in Restoration works:
 - iii. Procedure taken up in Restoration works:
 - iv. Restored Length

C. Requirement of new CD/Bridge

- i. Name of Road
- ii. Location/Chainage
- iii. Type of CD work/Length required

- Upload one photograph of damaged portion if available
- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode

Signature of IE/AE/EE
16.12.2020

"D:\Office file\winword file\All Format\hond\2015"

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रबंधन कक्षागाँव

Signature
16.12.2020

(Name of Inspector)

EE, Road
Banka-1



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR REPAIRING OF ROAD F.D.R. PART - A (2020 - 21)

DETAILED ESTIMATE FOR F.D.R. RESTORATION WORK

DISTRICT :	BHAGALPUR	BLOCK :	SABOUR
NAME OF ROAD :	NH-80 KHATIKA TO TATPUR RANGA		
Total Length of road	:	3.900	KMS
total cost of FDR. part - a	:	4.095	LACS
Add GST @ 12 %	:	0.491	LACS
Add labour cess @ 1%	:	0.041	LACS
Add Seigniorage Fee 10%	:	0.410	
Total cost of restoration work	:	5.037	LACS

SUBMITTED BY
The Executive Engineer
Works Division, Kahalgaon

FDR (2019-20)

तकनीकी प्रतिवेदन

पथ का नाम— **NH-80 KHATIKA TO TATPUR RANGA**
प्रखण्ड का नाम— **SABOUR**
योजना भीर्ष— **MR 3054/FDR**
पथ की लम्बाई— **3.9 कि०मी०**
प्राक्कलित राशि— **5.03 लाख**

Donagad Length - 300 M

प्रस्तुत पथ **NH-80 KHATIKA TO TATPUR RANGA** में अतिवृष्टि एवं बाढ़ बाने से पानी के तेज बहाव के कारण क्षतिग्रस्त पथाशों में यातायात पुर्नस्थापन हेतु तैयार किया गया है। यह प्राक्कलन सचिव ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक—मु०अ०—4(मु०)विविध कार्य 23-116/17-2297, दिनांक—12.07.2019 के आदेश के आलोक में तैयार किया गया है।

उपर्युक्त पथ बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त होने के कारण ग्रामीणों का आवागमन अवरुद्ध हो गया था, जिसके कारण तत्काल GSB Gr-II भरकर पथ को मोटरेबुल किया गया। कार्य विभागीय रूप से संपादित किया गया है।

प्रस्तुत प्राक्कलन वर्तमान अनुसूचित दर पर संवेदक लामांश छोड़कर तैयार किया गया है। लोकहित एवं जनहित में प्राक्कलन की भूतलाक्षित प्रभाव (Post Fecto) स्वीकृति अपेक्षित है।

[Signature]
25.10.20

कनीय अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रशाखा. सुनौत

[Signature]
25.10.2020

सहायक अभियंता
ग्रामीण कार्य विभाग,
कार्य अवर प्रमंडल. सबौर

[Signature]
25.10.2020

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल. कहलगाँव

GENERAL ABSTRACT OF COST

Name of Road : NH-80 KHATIKA TO TATPUR RANGA

District : BHAGALPUR

Length : 3.9 km

Block : SABOUR

Sl. No	Particulars	Details	Total Cost (in Rs.)
A	Cost of Road Restoration work		4,09,510.80
B	Add G.S.T @ 12 %		49,141.00
C	Add L.C. @ 1%		4,095.00
D	Add Seigniorage Fee 10%		40,951.08
	Total Cost of Restoration work		5,03,697.88
		Say,	5,03,697.88

J.E. 25.10.20

A.E. 25.10.2020

E.E. 19/12/20

Technically Approved for Rs 4.706 lac (Rupees four lac seventy thousand six hundred) only.

Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur
19/12/20

ESTIMATE FOR ROAD RESTORATION WORK

Name of Road: L041 -CHHOTI BISHANPUR TO YUSUPPUR
CHHOTI FULWARYA

Block: NARAYANPUR District: BHAGALPUR Length : 1.40 KM KM

Sl. No.	SSR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)
1	4.5	Construction of Embankment with approved material obtained from borrow pits with a lift upto 1.5 m transporting to site, spreading grading to required slope and compacting to meet requirement of Table 300.1 and 300.2 with a lead of 1000 m as per Technical								
		ANNEXURE - "B"					648.00	cum	271.83	176146
2	4.5	(By mix in place method) For Grading ii) Material Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at CMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.								
		ANNEXURE - "A"					109.67			
3		Photography & Videography of Road before maintenance & maintenance					109.67	cum	2082.27	2,28,362.00
							1.00	No	5000.00	5000
								Total		409510.80

J.E. 25.10.20

A.A.
25.10.2020
A.E.

E.E. 27/11/2020

ANNEXURE - " B " -

Measurement of Earth work

Name of Road :

NH-80 KHATIKA TO TATPUR RANGA

Length 3.9 km

Sr. No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	300-700	4	12.00	10.00	8.00		9.00	1.50			1.50	648.00
											Total =	648

$$\frac{16}{25 \cdot 10 \cdot 20}$$

J.E

$$\frac{1.48}{25 \cdot 10 \cdot 20}$$

A.E

$$\frac{1.48}{25 \cdot 10 \cdot 20}$$

E.E

~~S.P. - $648 \text{ m}^3 \times 1063.6 \times 10.1 = 68882$ - W~~

$$S.P. - 648 \text{ m}^3 \times 34.87/\text{m}^3 \times 10.1 = 2256.2$$

ANNEXURE - "A"

GSB

Name of Road : NH-80 KHATIKA TO TATPUR RANGA

Length of Road : 3.8 km

Sl. No.	Chainage (m)	Nos.	Length (m)	Width (m)			Average Width (M)	Depth (m)			Average Depth (M)	Quantity (cum)
1	300-400	12	3.00	3.00	1.50		2.25	0.15			0.15	12.15
2	400-500	12	5.00	2.30	1.60		2.75	0.15			0.15	24.75
3	500-600	10	3.00	2.50	2.00		3.25	0.15			0.15	14.63
4	600-700	6	4.00	3.00	1.00		3.50	0.15			0.15	12.60
4	2400-2500	8	3.00	3.00	1.30		3.65	0.15			0.15	13.14
4	2500-2600	9	2.00	3.00	1.20		3.60	0.15			0.10	6.48
2	2600-2700	4	5.00	3.00	1.40		2.20	0.15			0.15	6.60
2	2700-2800	7	6.00	3.00	1.60		2.30	0.15			0.15	19.32
											Total =	109.67

[Signature]
25.10.20
J. E.

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25.10.20
A. E.

[Signature]
27/11/2022
E. E.

$$S.f. - 109.67 \text{ m}^3 \times 508.29 / \text{m}^3 \times 10\% = 5574.00$$

Rate Analysis for Carriage of Materials

Rate Analysis for Carriage of Materials																				
Sl No	Item	Unit	Source	Carriage Cost & Lead in Km										Loading & Unloading Cost	Carriage Cost by Rail Road	Total* (By Road)				
				Pukka / Surface					Katcha											
1	Stone Metal Gr-III / GSB	Cum	Mirjathauki	8.00 4.99	x	16.32	x	60.00 Km	=	Rs 1569.91	8.00 4.99	x	25.47	x	0.00 Km	=	Rs 0.00	172.07	0	Rs. 1741.98
2	Brick/ Brick Bats	Cum	Local	3.60 1.91	x	16.32	x	7.00 Km	=	Rs 215.33	3.60 1.91	x	25.47	x	1.00 Km	=	Rs 48.01	172.07	0	Rs. 435.40
3	Local Sand	Cum	Local	3.60 2.04	x	16.32	x	2.00 Km	=	Rs 57.60	3.60 2.04	x	25.47	x	1.00 Km	=	Rs 44.95	172.07	0	Rs. 274.62
4	Earth	Cum	Local	8.00 6.00	x	16.32	x	0.00 Km	=	Rs 0.00	8.00 6.00	x	25.47	x	1.00 Km	=	Rs 33.96	172.07	0	Rs. 206.03
5	Hume Pipe (1000 mm)	M	Purnia	8.00 10.00	x	16.32	x	60.00 Km	=	Rs 783.38	8.00 10.00	x	25.47	x	0.00 Km	=	Rs 0.00	164.19	0	Rs. 947.57
6	Hume Pipe (600 mm)	M	Purnia	8.00 25.00	x	16.32	x	60.00 Km	=	Rs 313.35	8.00 25.00	x	25.47	x	0.00 Km	=	Rs 0.00	164.36	0	Rs. 477.71

Cost of Haulage Excluding Loading & Unloading as per SOR

* Subjected to Verification of Lead

Type of Road	Per Ton. Km by Tractor	Per Ton. Km by Tipper
For Surface Road	16.32	
Unsurface Gravel Road	0.00	
Katcha Road	25.47	

$16.32 \times 25.47 = 415.6$
 $415.6 \times 2 = 831.2$
 $831.2 \times 2 = 1662.4$
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