



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

ESTIMATE FOR FLOOD DAMAGED REPAIR

Bihar(बिहार)Map



Name of the Road :-

NH-80 Chimni Bhatta To Sabikpur *village*

DISTRICT	:	Lakhisarai	
DIVISION	:	Lakhisarai	
BLOCK	:	Lakhisarai	
TOTAL LENGTH OF ROAD	:	<i>4.150 4.65</i>	KM
TOTAL COST	:	9.565	Lac
AVERAGE COST PER KM	:	2.305	Lac
TOTAL COST OF PROJECT	:	9.565	Lac

Submitted By:
Executive Engineer
RWD WORKS DIVISION
Lakhisarai

स्थल निरीक्षण प्रतिवेदन

वर्ष 2021-22 के बाढ़ में क्षतिग्रस्त पथों में कराये गए मोटरेबुल कार्य की जाँच।

पथ का नाम :- NH-80 चिमनी भट्टा साबिकपुर *village*

पथ की लम्बाई :- 4.650 कि०मी०

प्राक्कलित राशि :- 9.565 / - लाख

अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मुंगेर के पत्रांक 1162 दिनांक 16.11.2021 द्वारा प्राप्त निदेश के अनुपालन में आज दिनांक 21.11.2021 को ग्रामीण कार्य विभाग, कार्य प्रमंडल, लखीसराय के अधीन बाढ़ से क्षतिग्रस्त पथ का निरीक्षण सहायक अभियंता श्री लौडिक प्रसाद राय के साथ वर्ष 2021-22 में बाढ़ में क्षतिग्रस्त पथ का कराये गए मोटरेबुल कार्य का स्थल निरीक्षण किया। जाँच के समय कार्य प्रमंडल, लखीसराय के सहायक अभियंता श्री संदीप कुमार एवं श्री ब्रजेश कुमार सिंह, कनीय अभियंता श्री श्याम सुन्दर प्रसाद एवं श्री रंजीत कुमार उपस्थित रहे।

उक्त पथ के निरीक्षण के दौरान पाया गया कि पथ में बने बड़े गड्ढों में Moorum से भरकर उसके उपर G.S.B. (Gr.II) (जगह-जगह 200mm एवं 150mm मुटाई में) डालकर सम्पीडन का कार्य कराया गया है, जिसका शत प्रतिशत जाँच किया गया है, एवं उक्त पथ के प्राक्कलन एवं मापीपुस्त में दर्ज की गई मापी को कार्य स्थल के अनुसार पाया।


सहायक अभियंता

ग्रा०का०वि०, कार्य प्रमं०

खड़गपुर-तारापुर


30/11/2021
कार्यपालक अभियंता
ग्रा०का०वि०, कार्य प्रमं०
खड़गपुर-तारापुर

तकनीकी प्रतिवेदन

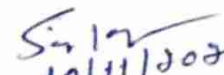
का नाम :- NH-80 चिमनी भट्टा साबिकपुर village

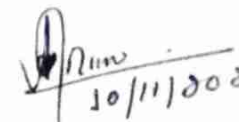
की लम्बाई :- 4.650 कि०मी०

व्यक्तित राशि :- 9.565 / - लाख

उपर्युक्त पथ को मोटरबुल करने हेतु मरम्मत का प्राक्कलन, माह अगस्त 2021 में हुई भारी बारिश एवं बाढ़ से पथ कई दिनों तक पथ पानी में डूबा हुआ था एवं बाढ़ का पानी बहाव होने से बड़े-बड़े आकार का Pot holes बन गया था, एवं पथ में कटाव भी हो गया था। उक्त पथ लखीसराय जिला के लखीसराय प्रखण्ड में पड़ता है। बाढ़ आने के कारण पूरा प्रखण्ड जलमग्न हो गया था, जिस कारण इस पथ काफी क्षतिग्रस्त हुआ। सचिव महोदय, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक- मु०अ०-4(मु०) विविध कार्य-23-60/2020-1937 दिनांक 07.07.2021 द्वारा प्राप्त निदेश के अनुसार क्षतिग्रस्त पथांश का फोटोग्राफ State MIS पर अपलोड करने के पश्चात् पथ का मोटरबुल कार्य पूर्ण कराकर निदेशानुसार फोटोग्राफ State MIS पर अपलोड करने के उपरान्त कराये गए कार्यों को मापी पुस्त में दर्ज कराकर प्राक्कलन तैयार किया गया है। प्रस्तुत प्राक्कलन अद्यतन अनुसूचित दर एवं सामग्रियों के औसत लीड के आधार पर बनाया गया है। पथ में बने बड़े गड्ढों को Brick Bats से भरकर उसके उपर G.S.B. (Gr.II) (जगह-जगह 150mm - 200mm की मुटाई में) भरकर सम्पीडन किया गया एवं पथ को मोटरबुल कराया गया, जिसका तकनीकी अनुमोदन अपेक्षित है।


10/11/2021
कनीय अभियंता


10/11/2021
सहायक अभियंता


10/11/2021
कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, लखीसराय।

ESTIMATE FOR FLOOD DAMAGED REPAIR

NAME OF ROAD :

NH-80 Chimni Bhatta To Sabikpur

DISTRICT

Lakhisarai

BLOCK

Lakhisarai

DIVISION

Lakhisarai

LENGTH OF ROAD (in Km)

4.150 4.65

CD STRUCTURES

8

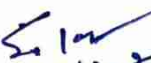
Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	RESTORATION COST	
1	EARTHWORK / SAND / MOORUM FILLING	1.306
2	Brick Bat Filling	5.859
3	GSB GR-II	0.942
	SUB TOTAL	8.107
	LABOUR CESS 1% of cost	0.081
	GST 12 % of cost	0.973
	SEIGNORAGE FEE @ 10 % on Minor Mines	0.404
	TOTAL	9.565
	TOTAL COST OF PROJECT IN LACS =	9.565

Deduct Contractor Profit 9.1%.

= - 0.870 Lakh

Total = Rs. 8.695 Lakh


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T.S Amount

Construction Cost : Rs. 9.565 lakh

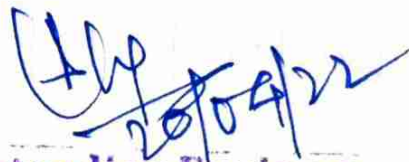
Deduct Contractor Profit 9.1% = Rs. 0.870 lakh

Total = Rs. 8.695 lakh

Ref. E.E. Letter No. 548 dt. 18.4.2022

Technically Sanctioned for Rs. 8.695 lakh

(Rupees Eight lakh sixty nine thousand five hundred) Only.
for construction work & 5 Years Maintenance.



Superintending Engineer
Rural Works Department
Works Circle, Munger


20/04/2022

NH-80 Chimni Bhatta To Sabikpur



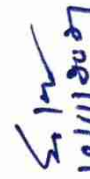
NH-80 Chimni Bhatta To Sabikpur

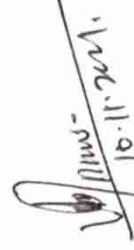


Name of Road:- NH-80 Chimni Bhatta To Sabikpur

SL No.	SDB SL NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
1	1100		Type B (First Class) Bedding Laying (First Class) bedding on well compacted sand, moorum or approved granular material as per Clause 1105 (ii)								
			Qty as per Measurement	cum					129.33		
			Net Qty						129.33	1,010.11	1,30,638.00
Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS											
2			Brick BAT Filling Emergent Repair by Filling Brick Bats in Flood damaged Stretch of the Road for making it Motorableas per S/D of E/I								
			Qty as per Measurement	cum					280.00		
			Net Qty						280.00	2,092.45	5,85,887.00
3	4.1	401 (ii)	Granular Sub-base with Well Graded Material (Table 400.1) 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 OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.								
			Qty as per Measurement	Cum					64.67		
			Net GSB Qty						64.67	1,455.93	94,155.00
										TOTAL =	8,10,680.00


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RWD

Pot Measurement Moorum

Name of Road:- NH-80 Chimni Bhatta To Sabikpur

Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
1st Km.				
1	3.5	3	0.3	3.15
1	5	3.75	0.3	5.63
1	7	3.25	0.3	6.83
1	9	3.75	0.3	10.13
1	2	3	0.3	1.8
1	7	3.75	0.3	7.88
1	1	3	0.3	0.9
1	2	3.75	0.3	2.25
1	3	1	0.3	0.9
1	2	1	0.3	0.6
1	1	2	0.3	0.6
1	2	2	0.3	1.2
1	1	1.5	0.3	0.45
1	5	1	0.3	1.5
1	3	3.75	0.3	3.38
1	1	2	0.3	0.6
1	5	2	0.3	3
2	1	1	0.3	0.6
1	4	3.75	0.3	4.5
1	2	3	0.3	1.8
1	1.5	2	0.3	0.9
1	1	2	0.3	0.6
1	3	3.75	0.3	3.38
1	3	2	0.3	1.8
1	1	1.5	0.3	0.45
2	1	1	0.3	0.6
2	1	1.5	0.3	0.9
1	10	2	0.3	6
1	2	3	0.3	1.8
2nd Km.				
1	12	2	0.3	7.2
1	15	2	0.3	9
3rd Km.				
1	10	3	0.3	9
1	5	2	0.3	3
1	6	2.5	0.3	4.5
1	5	3	0.3	4.5
3	2	3	0.3	5.4
1	6	2	0.3	3.6
5	3	2	0.3	9
Total				129.33

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10/11/2021

Pot Measurement GSB Gr-II

Name of Road:- NH-80 Chimni Bhatta To Sabikpur

Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
1st Km.				
1	3.5	3	0.15	1.58
1	5	3.75	0.15	2.81
1	7	3.25	0.15	3.41
1	9	3.75	0.15	5.06
1	2	3	0.15	0.9
1	7	3.75	0.15	3.94
1	1	3	0.15	0.45
1	2	3.75	0.15	1.13
1	3	1	0.15	0.45
1	2	1	0.15	0.3
1	1	2	0.15	0.3
1	2	2	0.15	0.6
1	1	1.5	0.15	0.23
1	5	1	0.15	0.75
1	3	3.75	0.15	1.69
1	1	2	0.15	0.3
1	5	2	0.15	1.5
2	1	1	0.15	0.3
1	4	3.75	0.15	2.25
1	2	3	0.15	0.9
1	1.5	2	0.15	0.45
1	1	2	0.15	0.3
1	3	3.75	0.15	1.69
1	3	2	0.15	0.9
1	1	1.5	0.15	0.23
2	1	1	0.15	0.3
2	1	1.5	0.15	0.45
1	10	2	0.15	3
1	2	3	0.15	0.9
2nd Km.				
1	12	2	0.15	3.6
1	15	2	0.15	4.5
3rd Km.				
1	10	3	0.15	4.5
1	5	2	0.15	1.5
1	6	2.5	0.15	2.25
1	5	3	0.15	2.25
3	2	3	0.15	2.7
1	6	2	0.15	1.8
5	3	2	0.15	4.5
Total				64.67

Per
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10.11.2021

Pot Measurement Brick Bats

Name of Road:- NH-80 Chimni Bhatta To Sabikpur

Nos.	Length (m)	Width (m)	Thickness (m)	Qty. (Cum.)
2nd Km.				
1	7	8	5	280
Total				280.00

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Name of Road :-

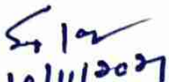
NH-80 Chimni Bhatta To Sabikpur

SEIGNIORAGE FEE

Material	Unit	Quantity	Basic rate	Amount	Seigniorage fee
Earth	m3	0.00	34.82	0.00	0.00
GSB 26.5-9.5	m3	28.97	604.91	17525.55	1752.55
GSB 9.5-2.36	m3	20.69	514.58	10648.92	1064.89
Local sand	m3	33.11	141.85	4696.80	469.68
Agg-63-45 G2	m3	0.00	480.64	0.00	0.00
Screening B	m3	0.00	397.73	0.00	0.00
Moorum	m3	0.00	159.97	0.00	0.00
Coarse sand/ Moorum	m3	155.20	159.97	24826.70	2482.67
Brick Bats	m3	336.00	1032.00	346752.00	34675.20
				404449.98	40445.00


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Name of Road

NH-80 Chinni Bhatta To Sabikpur

Sl. No.	Description	Unit	Quantity	Material Analysis (Minor Mines)																	Brick Bats
				Earth	GSB 53-9.5	GSB 26.5-9.5	GSB 9.5-2.36	Local sand	Agg-63-45 G2	Screening B	Mooru m	53-22.4 G3	Agg 13.2 mm	agg 9.5-4.75	agg 4.75 below	agg 40	agg 20	Stone Agg 10	Stone spalls	Coarse sand/Mooru m	
1	Brick Bat filling	m3	280.00																		336.00
2	GSB Grading II	m3	64.67			28.97	20.7	33.11													
3	Type B (First Class) Bedding	m3	129.33																155.2		
				0.00	0.00	28.97	20.69	33.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	155.20	0.00	336.00

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10/11/2021
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Analysis for Carriage by Road & Rail

Name of Road:- NH-80 Chimni Bhatta To Sabikpur

District:- Lakhisarai Block :- Lakhisarai

Sl No	Item with Source	Unit	Source Up to	Pukka / Surface	Carriage Cost & Lead in Km	Katcha	Loading & Unloading Cost	Carriage Cost by Rail Head	Total
1	Stone Metal Gr-I & Gr-II	Cum	Sheikhpura	$\frac{8.00}{4.59} \times 7.94$	$\frac{8.00}{4.59} \times 41.00$ Km = Rs 567.39	$\frac{8.00}{4.59} \times 19.23$ x 0.00 Km = Rs 0.00	210.23		Rs. 777.62
2	Stone Metal Gr-III / GSB	Cum	Sheikhpura	$\frac{8.00}{4.99} \times 7.94$	$\frac{8.00}{4.99} \times 41.00$ Km = Rs 521.91	$\frac{8.00}{4.99} \times 19.23$ x 0.00 Km = Rs 0.00	210.23		Rs. 732.14
3	Stone Aggregate / Chips	Cum	Sheikhpura	$\frac{8.00}{4.99} \times 7.94$	$\frac{8.00}{4.99} \times 7.00$ Km = Rs 89.11	$\frac{8.00}{4.99} \times 19.23$ x 0.00 Km = Rs 0.00	210.23	1358.11	Rs. 1657.45
4	Stone Boulder	Cum	Sheikhpura	$\frac{8.00}{4.80} \times 7.94$	$\frac{8.00}{4.80} \times 41.00$ Km = Rs 542.57	$\frac{8.00}{4.80} \times 19.23$ x 0.00 Km = Rs 0.00	210.23		Rs. 752.80
5	Coarse Sand	Cum	Kiul River	$\frac{8.00}{4.99} \times 7.94$	$\frac{8.00}{4.99} \times 41.00$ Km = Rs 521.91	$\frac{8.00}{4.99} \times 19.23$ x 1.00 Km = Rs 30.83	113.70		Rs. 666.44
6	Binding Material/Moorum	Cum	Sheikhpura	$\frac{8.00}{6.00} \times 7.94$	$\frac{8.00}{6.00} \times 41.00$ Km = Rs 434.05	$\frac{8.00}{6.00} \times 19.23$ x 0.00 Km = Rs 0.00	113.70		Rs. 547.75
7	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 7.94$	$\frac{8.00}{4.99} \times 2.00$ Km = Rs 25.46	$\frac{8.00}{4.99} \times 19.23$ x 1.00 Km = Rs 30.83	113.70		Rs. 169.99
8	Brick	1000 Nos	Local	$\frac{8.00}{2.00} \times 7.94$	$\frac{8.00}{2.00} \times 7.00$ Km = Rs 222.32	$\frac{8.00}{2.00} \times 19.23$ x 1.00 Km = Rs 76.92	477.52		Rs. 776.76
9	Brick Bat	Cum	Local						Rs. 1032.00

Cost of Haulage Excluding Loading & Unloading as per SOR

Type of Road	Per Ton. Km by Tipper	Per Ton. Km by Truck
For Surface Road	10.10	7.94
Unsurface Gravel Road	12.10	9.56
Kachha Road	24.30	19.23

* Subjected to Verification of Lead

10/11/2021
JE
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RWD

Schedule XLV-Form No. 134

सूचना-सूचना के संबंध में

सूचना

DIVISION

सूचना

SUB-DIVISION

MEASUREMENT BOOK

656

NH80 Chimni Bhatta
to Sabikpur damaged by
Flood Oct 2024.
Bkll - Lakhisar
Agays Departmentally.

Date -

Gr PV Mooram fillup in
bat hole of road side

Specification				
	m	m	m	M3
1x	3.5m	3m	30	3.153
1x	5m	3.75	30	5.63
1x	7m	3.25	30	6.83
1x	9m	3.75	30	10.13
1x	2m	3m	30	1.80
1x	7m	3.75	30	7.88
1x	3m	1m	30	.90
1x	2m	3.75	30	2.25
1x	3m	1m	30	.90
1x	2m	1m	30	.60
1x	1m	2m	30	.60
1x	2m	2m	30	1.20
1x	1m	1.5	30	.45
1x	5m	1m	30	1.50

articulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
					43.82
	14	3m	3.75	30	= 3.38
	14	2m	2m	30	= 1.60
	14	5m	2m	30	= 3.40
	14	4m	1m	30	= 1.60
	14	4m	3.75	30	= 4.15
	14	2m	3m	30	= 1.80
	14	1.15	2m	30	= 1.20
	14	1m	2m	30	= 1.60
	14	3m	3.75	30	= 3.38
	14	3m	2m	30	= 1.80
	14	1.50	1.4	30	= 1.45
	24	1m	1m	30	= 2.60
	24	1m	1.5	30	= 1.90
	14	10m	2m	30	= 6.40
	14	2m	3m	30	= 1.80
	14	12m	2m	30	= 7.20
	14	15m	2m	30	= 9.00
	14	10m	3m	30	= 9.00
	14	5m	2m	30	= 3.00
	14	6m	2.5	30	= 4.50
	14	5m	3m	30	= 4.50
	34	2m	3m	30	= 5.40
	14	6m	2m	30	= 3.60
	5	3m	2m	30	= 9.00
					129.3340

12
:- Plv lay p spread p Conpre
Resist in pot Hdy tra
As per specification

No	m	m	m	m3
1	x 3.5	x 3	x .15	= 1.584
1	x 5m	x 3.75	x .15	= 2.8125
1	x 7m	x 3.25	x .15	= 3.4125
1	x 9m	x 3.75	x .15	= 5.0625
1	x 2m	x 2m	x .15	= 0.90
1	x 7m	x 3.25	x .15	= 3.94
1	x 1	x 3m	x .15	= .45
1	x 2m	x 3.75	x .15	= 1.13
1	x 3m	x 1m	x .15	= .45
2	x 2m	x 1m	x .15	= .30
1	x 1m	x 2m	x .15	= .30
1	x 2m	x 2m	x .15	= .60
1	x 1m	x 1.5	x .15	= .23
1	x 5m	x 1m	x .15	= .75
1	x 3m	x 3.75	x .15	= 1.69
1	x 1m	x 2m	x .15	= .30
1	x 5m	x 2m	x .15	= 1.50
2	x 1m	x 1m	x .15	= .30
1	x 4m	x 3.75	x .15	= 2.25
1	x 2m	x 3m	x .15	= .90
1	x 1.5	x 2	x .15	= .45
1	x 1	x 2m	x .15	= .30
1	x 3m	x 3.75	x .15	= 1.69

[illegible]

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstracting cost for Hoken of road for Nidichimane Bhalke to Subapur Block Lakhin					

1. P.V. 60/1/2 income in Bal
Hole of road Nidichimane

$$P_1 = 129.33 \text{ M} \quad \text{by}$$

$$C_1 = 1010.11/2 = 13063$$

2. Eminent Report
by Philip Nidichimane
in flood damage

Stretch of road

$$P_2 = 280 \text{ M}^3$$

$$C_2 = 2095.145/4 = 523887$$

3. Cost of Road by
forming well grade
main Spruce Plaster
and Capacity Small

$$P_3 = 64.67 \text{ M}^3 \quad = 94153$$

$$C_3 = 1455.93/4$$

$$A = 810680 =$$

[illegible]

Inspection Report for Flood Damage Work

Date :- 30.11.2021

Name of PIU :- E E RWD Kharaypur - Tarehar

Name of Block/ Road :- Lakhisarai / NH 80 chimani Bhatta Sahik Pur

A. For Road

1. Damage Location/ Chainage :-

2. Damage Length :- 0.600 km

3. Nature of Damage :- crust damaged and breach near culvert

4. Details of Restoration Works :- medium fill, 6cm 6x11 & Brick bats fill

(i) Material being in Restoration works :- medium, Brick bats, 6cm 6x11

(ii) Equipment's / Tools being used in Restoration works :- SCB, Roller, Trolley

(iii) Procedure take up in Restoration works :- Fill up medium, Brick bats and

(iv) Restored Length :- 0.600 km 6cm 6x11 layer wise

B. For Bridge :-

1. Damage Location/ Chainage :-

2. Damage Length :-

3. Nature of Damage :-

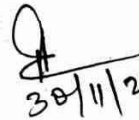
4. Details of Restoration Works :-

(i) Material being in Restoration works :-

(ii) Equipment's / Tools being used in Restoration works :-

(iii) Procedure take up in Restoration works :-

(iv) Restored Length :-


30/11/2021

Signature
(Name of Inspection)