

GOVERNMENT OF BIHAR

UNDER FLOOD DAMAGE REPAIR

Estimate for Restoration of Traffic

DISTRICT : WEST CHAMPARAN **BLOCK :** NARKATIAGANJ

YEAR(2020-2021)

NAME OF ROAD : SATWARIA TO MANJHARIA

TOTAL LENGTH	:	0.378	KMS	
COST OF PAVEMENT (RS.)	:	1592386.87		
TOTAL COST OF ROAD (RS.)	:	1592386.87		

SUBMITTED BY

Executive Engineer RWD

Works Division, Narkatiaganj

TECHNICAL REPORT

Name of Road :- Satwaria to Manjharua

Name of Block:- Narkatiyaganj

Name of Division:- Narkatiyaganj

Name of District:- West Champaran

Estimated Cost:- 15.92387 Lakh

Restoration Length:- 0.378 KM

This Estimate is prepared for Restoration of Satwaria to Manjharua

.....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 Earthwork, Brick bathas 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. 15.92387 Lakh please.

Submitted for Technical Approval please.

B. K. Sharma,
23/12/2020
Senior Engineer,
Narkatiyaganj

P. B. S.
23/12/2020
Assistant Engineer,
Narkatiyaganj

P. S. S.
23/12/20
Executive Engineer
R.W.D.(W) Division, Narkatiyaganj

कार्यपालक अभियन्ता का कार्यालय

ग्रामीण कार्य विभाग, कार्य प्रमंडल, बगहा-2

पत्रांक-.....१५५..... / बगहा-2, दिनांक-.....२५/१२/२०२०/

प्रेषक:-

कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, बगहा-2।

सेवा में,

अधीक्षण अभियन्ता,
ग्रामीण कार्य विभाग,
कार्य अंचल, बेतिया।

विषय:- वर्ष 2020 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल कराने हेतु किये गये कार्यों की जाँच के संबंध में।

प्रसंग:- भवदीय पत्रांक-1312/बेतिया, दिनांक-26.08.2020।
महाशय,

उपर्युक्त विषयक एवम् प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, नरकटियागंज द्वारा उपलब्ध कराये गये मोटरेबुल पथों की सूची में अंकित पथों का अधोहस्ताक्षरी द्वारा सहायक अभियन्ता श्री दिगम्बर झा एवम् श्री नन्द किशोर साह के साथ निरीक्षण किया गया। निरीक्षण के दौरान कार्य प्रमंडल, नरकटियागंज द्वारा प्रतिवेदित सभी पथों पर कार्य कराया गया है एवम् यातायात चालु है।

सादर सूचनार्थ एवम् अग्रेत्तर कार्रवाई हेतु समर्पित।


अनु०:- निरीक्षण किये गये पथों की सूची।

विश्वासभाजन,


24/12/20

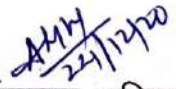
(दिगम्बर झा)
सहायक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-2

(नन्द किशोर साह)
सहायक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-2


24/12/20
(आनन्द बिहारी झा)
कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-2

ज्ञापांक-.....१५५..... / बगहा-2, दिनांक-.....२५/१२/२०/

प्रतिलिपि:- कार्यपालक अभियन्ता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, नरकटियागंज को सूचनार्थ सम्प्रेषित।


24/12/20
कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-2

34	Sikta	Sikta to Bheriharwa	0.133	19,72,961.00
35	Sikta	Sikta to Surajpur	0.028	4,39,443.00
36	Sikta	Sikta to Chhapaniya	0.098	9,97,953.00
37	Sikta	Sikta to Ekdeyari	0.09	5,29,712.00
38	Sikta	Sikta to Khap tola	0.083	7,67,337.00
39	Sikta	Sikta to Sundergawan	0.109	6,60,731.00
40	Sikta	T03 to Dharampur	0.284	16,76,700.00
41	Sikta	Baishakhwa to Sargatiya	0.029	3,90,616.00
42	Sikta	Bishkhawa to Sikta	0.048	9,58,963.00
43	Sikta	Dhamaura to Narkatia	0.052	6,71,372.00
44	Gaunaha	Gaunaha Rly Station to Sithi	0.12	11,06,352.00
45	Gaunaha	Marjadi to Marjadpur	0.11	16,66,842.00
46	Gaunaha	Mehnaul kal to Hardi	0.13	14,33,177.00
47	Gaunaha	PWD Road to Dhamaura	0.045	2,89,055.00
48	Gaunaha	RWD Road to Harpur	0.095	9,21,546.00
49	Gaunaha	REO Road to Mahuawa Bhusha	0.07	13,11,852.00
50	Narkatiaganj	REO Road to Panchamwa	0.475	16,29,029.00
51	Narkatiaganj	Pokhariya to Songadh	0.675	15,20,124.00
52	Narkatiaganj	Maniyari Bridge to Bridge	0.16	7,47,248.00
53	Narkatiaganj	Sisai to Rakhai	0.11	3,24,989.00
54	Narkatiaganj	T01 to Chintawanpur	0.35	13,45,653.00
55	Narkatiaganj	Satwariya to Manjhariya	0.378	15,92,386.00
56	Narkatiaganj	NKE PWD Road se Khap tola to Mahadalit Basti hote hue Dhaminaha Basti	0.212	6,36,513.00
57	Narkatiaganj	T01 to Senuriya Naya tola	0.06	6,21,851.00
58	Narkatiaganj	Siswa to Roari	0.08	7,55,945.00
59	Narkatiaganj	Dhobaha to Inarwa	0.44	16,27,769.00
60	Narkatiaganj	Barai tola to Bhashurari Petrol Pump via Sikarpur bairia	0.362	14,62,769.00
61	Narkatiaganj	PWD Road to Bazar tola	0.24	4,60,545.00
62	Narkatiaganj	Sathi to Dharampur	0.63	15,25,968.00
63	Narkatiaganj	Midraul PMGSY to Balua Path	0.85	6,36,832.00
64	Narkatiaganj	Binwaliya to Barwa	0.235	6,20,616.00
65	Narkatiaganj	Matiyariya PMGSY to Sherahwa	0.232	2,39,942.00
66	Narkatiaganj	Mathura to Belwaniya	0.302	7,34,549.00
67	Narkatiaganj	Marhiya to Banwaria	0.255	4,27,695.00
68	Narkatiaganj	L022 to Barwa Baruli	0.1	14,27,512.00
69	Narkatiaganj	Narkatiaganj Manjahriya to Manwa parsi Ekderwa	0.26	14,65,222.00
70	Narkatiaganj	Gopalpur to Fhulwariya	0.475	7,91,830.00

Name of Road: SATWARIA TO MANJHARIA
District: WEST CHAMPARAN

Block: NARKATIAGANJ Length: 378.000 m
Cutting length 378 M

S. No.	SOR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount
1	2.13. C	Removal of Hume pipe Removing all types of Hume pipes and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202.	0	0.00		0	0.00			
2		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					0.00	M	381.23	0.00
3	3.3	(B) EARTHWORK 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					0.00	M	4744.43	0.00
							361.065	Cum.	25.32	9142.17

(Signature)
20/11/2022
J.R.

S. No.	SOR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount
4	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					361.065	cum	450.77	162758.39
5	RCD	Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge				689.15	cum		1703.77	1174155.59
6	RCD	Laying Jhama metal on prepared soil surface as per Specification & direction of Engineer Incharge				0.00	cum		2106.67	0.00
7	RCD(12.9)	Laying filled sand bag ,stitching and placing etc.all complete as per specification and direction of Engineer Incharge	0				0.00	per bag	24.59	0.00
		Total Road work								1346056.15
		Say Rs. (Lac)								1346056.15
		Add GST @12%								161526.74
		Add Labour Cess @1%								13460.56
		Add Seignrage Fee@10% of basic material rate								71343.42
		Total Cost of work								1592386.87

RS 1592386.87
23/12/2020
AF

23/12/2020
J.E

Technical approval for Rs (15,92,386.87) (Rupees Fifteen Lacs ninety two thousand three hundred eighty six) only.

23/12/20

23/12/20

Superintendent Engineer
Rural Works Department
Works Circle, SAVARIA TO MANUHARIA
Govt. of Bihar

Detailed Measurement(EARTHWORK)

No	L(m)	W(m) FLANK	D(m)	Qty(cum)
4	7	$(1.0+1.2)/2$	$(0.8+1.0)/2$	27.720
2	60	$(0.5+0.8)/2$	$(0.3+0.6)/2$	81.600
2	75	$(0.75+1.0)/2$	$(0.4+0.6)/2$	65.625
2	40	$(0.9+1.2)/2$	$(0.600+0.300)/2$	37.800
TOTAL	378			212.75

Detailed Measurement(BRICK BAT)

No	L(m)	W(m)	D(m)	Qty(cum)
1	40	$(5.0+6.0)/2$	$(1.0+1.5+2.0)/3$	330.000
1	20	$(2.0+3.0)/2$	$(0.75+1.0+1.25)/3$	50.000
4	8	$(1.0+1.2)/2$	$(0.8+1.0)/2$	31.680
TOTAL				411.68

RE DAMAGED(MEASUREMENT)

Detailed Measurement(EARTHWORK)

No	L(m)	W(m) FLANK	D(m)	Qty(cum)
4	7	$(1.0+1.2)/2$	$(0.8+1.0)/2$	27.720
1	60	$(0.5+0.8)/2$	$(0.3+0.6)/2$	40.800
2	75	$(0.75+1.0)/2$	$(0.4+0.6)/2$	65.625
1	30	$(0.9+1.2)/2$	$(0.600+0.300)/2$	14.175
TOTAL				148.32

Detailed Measurement(BRICK BAT)

No	L(m)	W(m)	D(m)	Qty(cum)
1	26	$(4.0+5.0)/2$	$(1.0+1.5+2.0)/3$	175.500
1	15	$(2.0+3.0)/2$	$(0.75+1.0+1.25)/3$	37.500
1	28	$(1.5+2.0)/2$	$(0.5+1.0)/2$	36.750
4	7	$(1.0+1.2)/2$	$(0.8+1.0)/2$	27.720
TOTAL				277.47

Bykumar
23/12/2020
JE

JE
23/12/2020
AE.

R
23/12/20
E.E



Latitude: 27.159873
 Longitude: 84.52378
 Elevation: 90.58m
 Accuracy: 3.2m
 Time: 27-07-2020 13:35
 Note: satwariya to malhan's road



Latitude: 27.159113
 Longitude: 84.519207
 Elevation: 52.0m
 Accuracy: 2.0m
 Time: 04-10-2020 12:08
 Note: satwariya to malhan's road



Latitude: 27.159086
 Longitude: 84.512204
 Elevation: 74.83m
 Accuracy: 2.0m
 Time: 04-10-2020 12:09
 Note: satwariya to malhan's road



Latitude: 27.19912
 Longitude: 84.512509
 Elevation: 75.86m
 Accuracy: 3.5m
 Time: 04-10-2020 12:02
 Note: satwariya to malhan's road

Signature
 23/12/2020
 AIR

Signature
 23/12/2020
 A/E