



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Govt. of Bihar

FDR(Motorable)

Estimate for Motorable of Road from T03 Harvansh Pur Road To Shohra Pul Chhakan Tola Via Durga Bigha in Nalanda District.



Name of the Road :-

T03 Harvansh Pur Road To Shohra Pul Chhakan Tola Via Durga Bigha

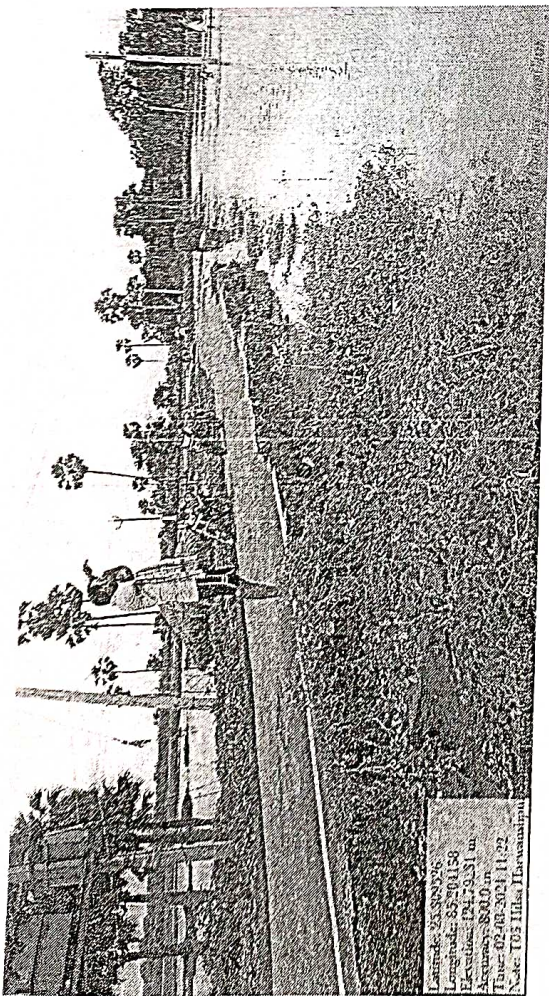
DISTRICT	:	NALANDA	
DIVISION	:	HILSA	
BLOCK	:	HILSA	
TOTAL COST OF CONSTRUCTION	:	24.718	Lac
TOTAL COST OF PROJECT	:	-24.718	Lac

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-HILSA

10.872 lacs

25/10/21
J.F.

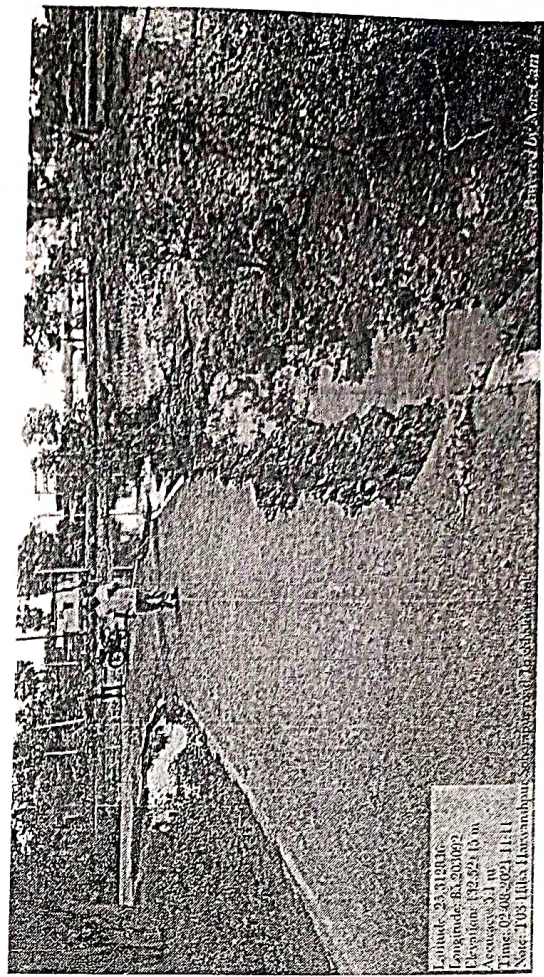
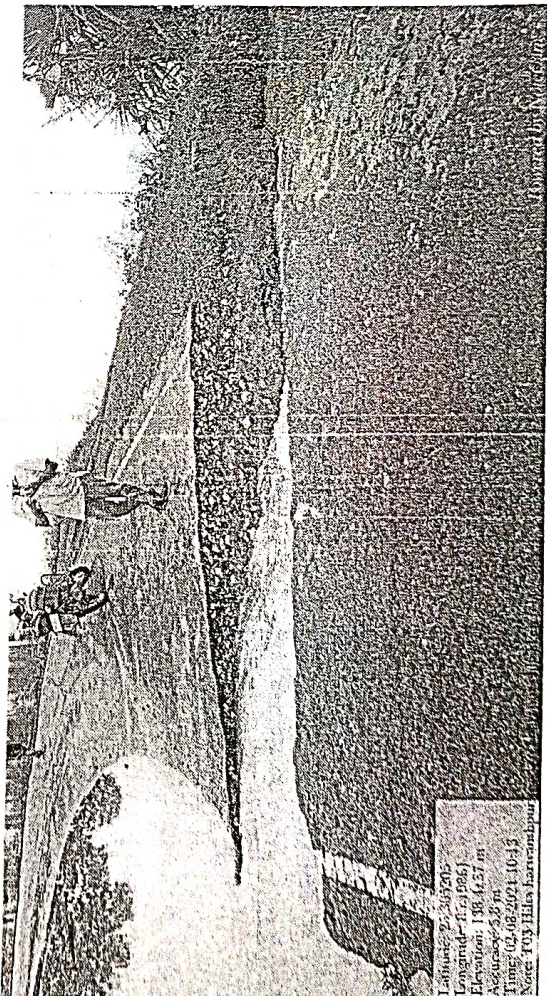
27/10/21
A.E.



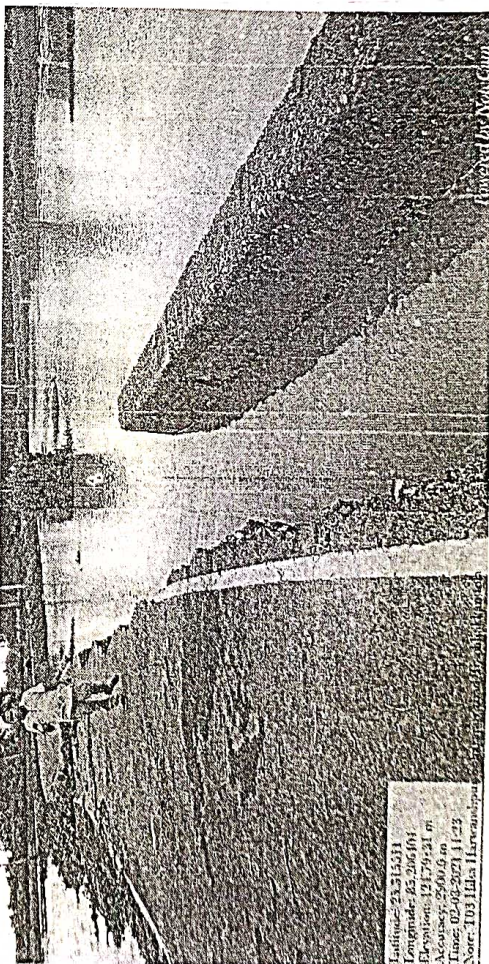
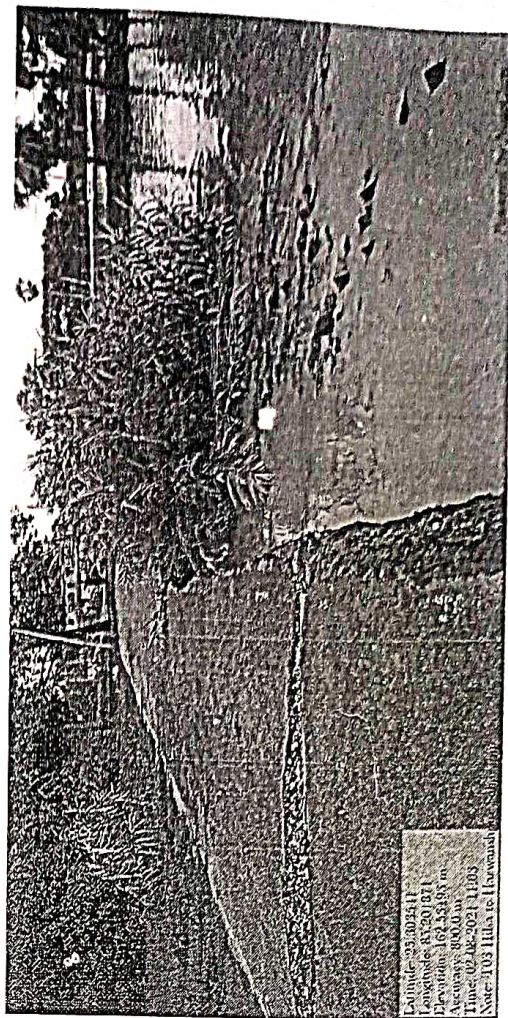
Rams
25-10-20
J.R

Ad
27/10/31
H.C

27/10
E.E



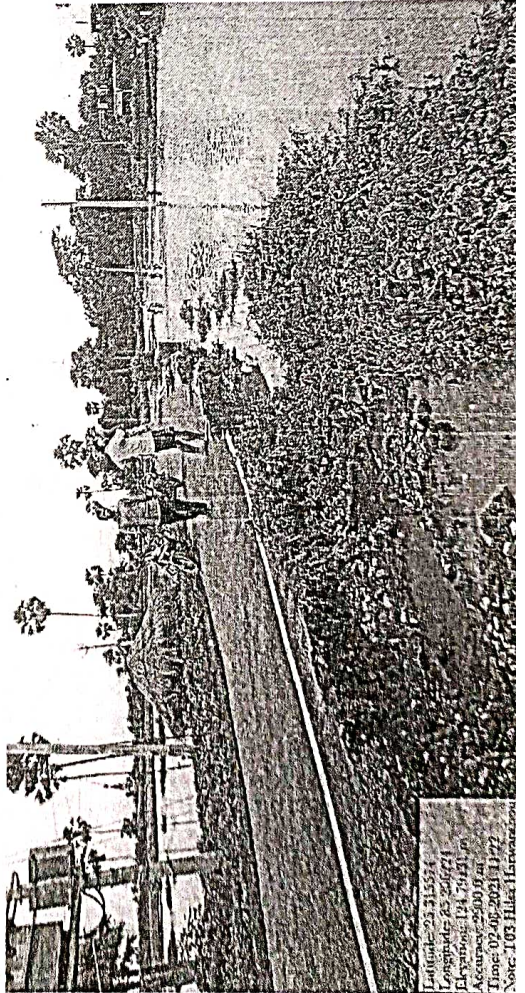
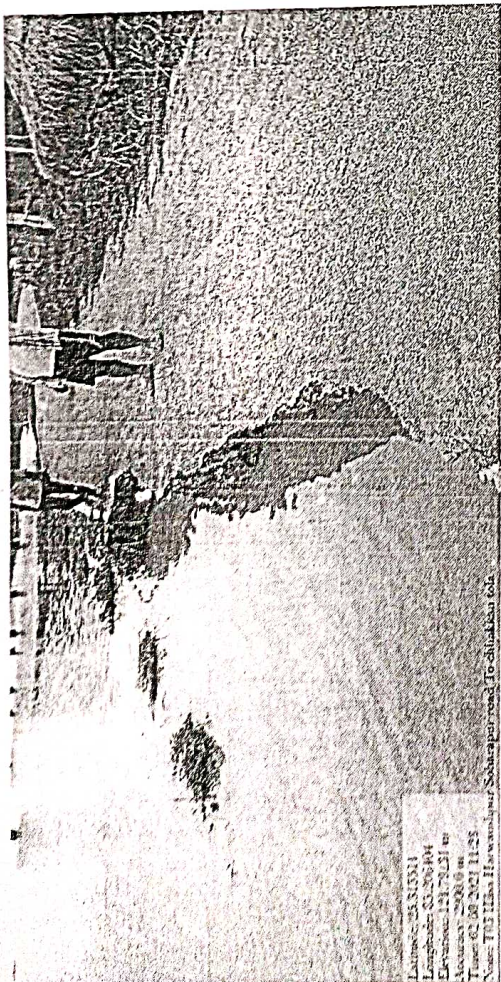
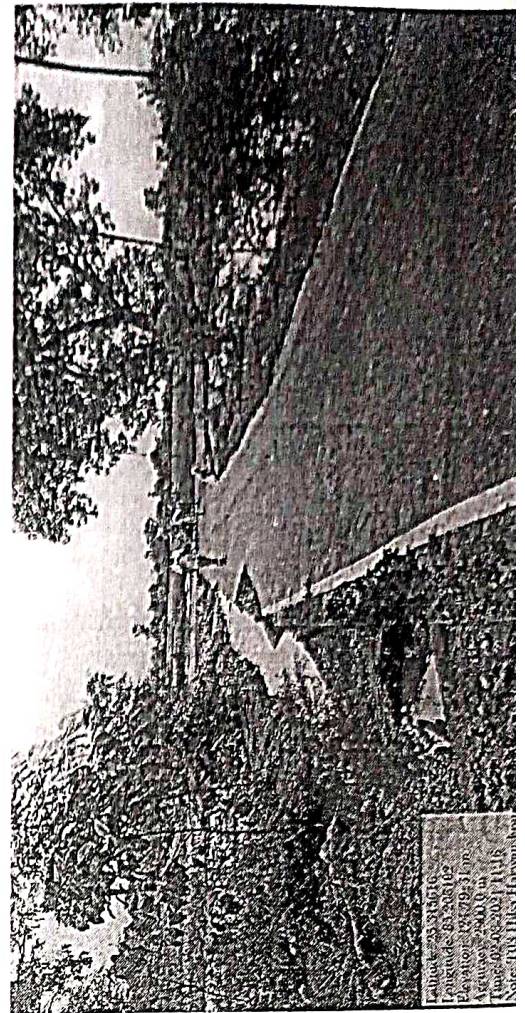
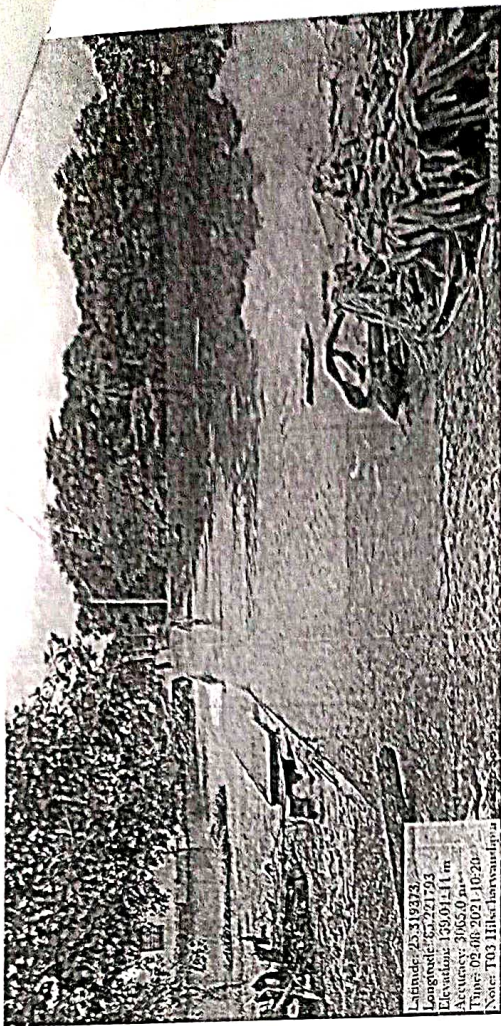
Powered by: Aves Cam



Ramp
 25/10/2021
 J.E

Del
 27/10/21
 A.8

2
 27/10
 E.E



Ram
25/10/2021
J-B

27/10/21
A-6

27/10
E-E

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD : T03 Harvansh Pur Road To Shohra Pul Chhakan Tola Via
Durga Bigha
DISTRICT NALANDA
BLOCK HILSA
DIVISION HILSA

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	1087216 = ch 2471758.000
	Total	2471758.000
	TOTAL COST IN LACS =	24.718
	TOTAL COST OF PROJECT IN LACS =	24.718

Rana
25.10.2021
JE
RWD

AE
27/10/21
AE
RWD

10.872 lacs
27110
EE
RWD

Technically approved for Rs.....

(Rupees.....)

Condition and direction laid down in attached
technical notes with DPR is be followed Strictly

S. E.
RWD
Work Circle Nalanda

Technically Sanctioned for Rs. 10,87,200/-
(Rupees Ten Lacs Eighty Seven Thousand
Two Hundred only)
Condition and direction attached
technical notes with it.

Akshay
24/12/2021

RWD

Work Circle Nalanda

22/12/2021

Estimate for Motorable of Road from T03 Harvansh Pur Road To Shohra Pul Chhakan Tola Via Durga Bigha in Nalanda District.

Name of Road T03 Harvansh Pur Road To Shohra Pul Chhakan Tola Via Durga Bigha

Sl. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
SUB HEAD : EARTHWORK, BRICKS BATS, SAND FILLING									
1	Construction of Bricks Bats								
	Supplying Brick bats with carriage at site including labour cess , GST and seignorance fee (excluding over head and CP)	cum					514.441 1,169.460	577.711 1,201.00	617844/- 14,04,521.00
2	Carriage for Brick bats including labour cess & GST (excluding over head and CP)	No					514.441 1,169.460	577.711 564.910	290612/- 6,60,639.00
3	Supplying unskilled labour for Brick bats and laying 600 mm dia for spreading and levelling brick bats including labour cess & GST (excluding over head and CP)	No					545/- 1,239.628	328.00	178760/- 4,06,598.00
									24,71,758.00

25.10.2021
JE
RWD

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AE
RWD

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EE
RWD

10,87,216/-

Name of
Road
Block
District

T03 Harvansh Pur Road To Shohra Pul Chhakan Tola Via Durga Bigha
HILSA
NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)	Width(m)	Thickness (m)	Qty. (Cum)
1	16.50 12.50	1.300 0.85	1.125 1.30	24.130 73.813
2	9.00 ✓	1.175 0.833	1.325 1.35	14.010 10.125
3	4.60 2.10	1.400 1.30	0.900 0.50	2.020 2.180
4	2.40 6.0	1.400 0.90	0.800 1.35	2.350 7.29
5	3.50 4.60	1.533 1.25	1.600 0.90	8.580 5.175
6	4.10 6.80	1.233 2.40	1.133 1.0	5.730 16.32
7	1.50 7.20	1.500 2.35	1.100 1.35	2.400 22.842
8	1.50 4.50	1.500 2.40	1.000 0.80	2.250 8.640
9	1.80 4.50	1.200 2.05	1.000 ✓	2.160 9.225
10	6.20 4.0	2.433 2.70	0.950 0.50	14.330 5.40
11	2.40 8.0	1.500 2.233	1.200 1.233	3.780 22.026
12	2.20 5.10	1.600 0.80	1.500 0.20	5.280 0.816
13	7.50 3.0	2.525 1.60	1.200 1.50	22.730 7.20
14	4.50 3.0	3.200 1.40	1.000 0.50	14.400 2.10
15	1.00 2.80	1.000 2.0	1.000 0.50	1.000 2.80
16	4.50 15.0	3.100 10.975	1.200 0.50	16.740 14.812
17	5.50 9.30	3.467 0.733	0.900 1.05	47.160 7.157
18	2.10 3.20	1.600 1.10	0.300 0.50	0.950 1.760
19	8.20 8.0	2.700 1.266	0.767 0.50	16.980 5.066
20	4.20 13.0	1.333 2.266	0.900 0.60	5.040 17.679
21	3.10 6.80	2.100 1.20	1.100 0.75	7.160 6.12
22	2.90 15.0	1.900 1.633	1.200 0.633	6.610 15.525
23	2.20 3.20	1.400 2.050	0.300 1.75	0.920 11.480
24	4.50 3.0	0.900 1.40	0.300 1.50	0.410 6.30
25	3.50 9.10	2.600 1.80	0.900 0.50	8.190 ✓
26	16.10 3.70	2.240 2.20	0.925 0.50	33.360 4.07
27	0.20 4.10	1.567 3.15	1.500 0.50	21.620 6.457
28	4.50 3.20	2.000 1.50	1.100 0.50	9.900 2.40
29	7.50 30.0	2.233 2.071	0.867 0.50	44.520 31.05
30	1.10 4.50	1.000 1.60	0.900 0.50	0.990 3.60
31	20.70 53.0	2.475 1.118	1.275 1.45	65.320 85.918
32	44.30 14.50	1.067 1.90	1.233 0.90	34.680 24.795
33	3.30 8.60	2.200 2.33	1.800 0.50	13.070 10.033
34	3.50 ✓	2.500 1.05	1.600 0.50	14.000 1.837
35	40.10 9.50	2.033 1.0	0.825 1.0	16.940 9.50
36	4.50 59.50	2.500 1.145	1.100 1.225	42.380 83.456
37	2.80 9.0	1.900 1.50	1.100 0.30	5.850 4.050
38	2.30 4.50	4.400 1.30	1.300 0.30	4.190 1.755
39	4.50 7.0	3.600 0.95	0.650 0.30	10.530 1.995

2069

C.O. Qty = 500.936M³

40	3.80	1.10			
41	30.50	5.70	2.250	3.60	1.050 2.50
42	4.90	6.30	2.550	3.60	1.133 1.0
43	44.70	6.20	2.250	3.430	0.933 1.50
44	9.10	6.0	2.400	1.833	1.033 0.50
45	55.00		2.833	1.230	1.400 0.50
46	4.10		1.475		1.425
47	8.80		1.500		1.200
48	3.20		1.833		0.933
49	2.40		1.500		1.100
50	6.20		1.000		1.200
51	60.00		1.500		1.500
52	3.20		1.600		1.600
53	11.50		1.167		1.367
54	5.90		4.900		2.500
55	9.50		4.100		1.100
56	6.80		1.633		1.500
			2.233		1.133
	446.5				
				Total	4469.460 600.182 m ³

Ram
28/10/2021
JE

pd
27/10/21
A.E

R
27/10
E.E

pd
09/11/21
E. E.
R.W.D.
Rajsh.

$$\text{Quantity after deduction of voids} = \frac{600.182 \text{ m}^3 \times 12}{14} = 514.414 \text{ m}^3$$

pd
9/12/21
A.E.

Ram
09/12/2021
JE