



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport and Highways, Govt. of India)

परियोजना कार्यान्वयन इकाई - मुजफ्फरपुर

पावापुरी विहार (द्वितीय तल), भगवानपुर, मुजफ्फरपुर

Project Implementation Unit-Muzaffarpur

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सड़क ही नहीं, राष्ट्र का निर्माण भी

No. 38020/02/2020/NHAI/PIU-MUZ/ 512

Dated:- 25.08.2022

Invitation of Public Comments

Sub: - Proposal for National Highways -122 (Muzaffarpur-Begusarai) crossing between Zero Mile to Teghra for 220 KV D/C GSS Begusarai to IOCL Barauni Refinery Transmission Line.

1. The Construction Agency, M/s Bihar State Power Transmission Company Limited vide letter no 276 dated 21.05.2022 has submitted the aforesaid proposal for permission National Highways -122 (Muzaffarpur-Begusarai) crossing between Zero Mile to Teghra for 220 KV D/C GSS Begusarai to IOCL Barauni Refinery Transmission Line, for which comments has been given by IE on 28.07.2022

2. From the submitted proposal, it is seen that as per checklist the Site plan showing following:

(i) Name of Highway No.	:	NH-122 (Old NH-28)
(ii) Name of Crossing	:	Muzaffarpur-Begusarai (NH-122)
(iii) Crossing at Chainage	:	Pipra Dewas Km 1& 2 (In Between Ch.- 623+880 to Ch. 623+900)
(iv) Position of towers	:	Outside the ROW of NH
(v) Crossing Span	:	225.00 Mtr.
(vi) Clearance over the road level	:	18.272 Mtr. (From existing road level)
(vii) Angle of road crossing	:	86 Degree
(viii) Distance from NH Boundary to centre of Tower	:	Loc. No. 38/0 (PD+9) = 80.00 Mtr.
(ix) Perpendicular distance from center to centre of Tower	:	Loc. No. 39/0 (PD+9) = 144.00 Mtr.
		Loc. No. 38/0 (PD+9) = 94.00 Mtr.
		Loc. No. 39/0 (PD+9) = 131.00 Mtr.

3. As per the guidelines issued by the Ministry vide OM No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application is to be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

In view of the above, comments of the public on the above application are invited to the below mentioned address, which should reach by this office within 30 days from the date of issue beyond which no comment shall be entertained.

Thanking You

Encl:- As above

Yours Faithfully,

[Signature]
25.08.2022
(Ram Prit Paswan)
Project Director
PIU, Muzaffarpur

- Copy to:** (i) Regional Officer (Bihar), Patna for kind information please
(ii) Web Admin, NHAI, HQ-With a request for uploading on the NHAI website.
(iii) The Technical Director NIC, Transport Bhawan New Delhi with a request for Uploading on Ministry's website.
(iv) EEE, BSPTCL, Begusarai Div., Begusarai, for kind information.

CHEK LIST

1. National Highway Number : NH - 122(28)
2. Name of Crossing : MUZAFFARPUR - BEGUSARAI (NH-122)
3. Crossing at Chainage : PIPRA DEWAS KM 1 & 2 (NH-623 to NH-624)
4. Position of towers : Outside the ROW of NH
5. Crossing Span : 225.00 Mtr
6. Clearance over the road level : 18.272 Mtr
7. Angle of road crossing : 86° 00' 00"
8. Distance from NH Boundary to center of tower : Loc. No.38/0 (PD+9) = 80.00 Mtr.
Loc. No. 39/0 (PD+9) = 114.00 Mtr.
9. Perpendicular distance from center of tower to center of road : Loc. No.38/0 (PD+9) = 94.00 Mtr.
Loc. No. 39/0 (PD+9) = 131.00 Mtr.
10. Protection of assembly to the line : Anti Climbing devices provided
11. No. of stay required : No Required
12. Minimum Factor of Safety : 2.0 (Normal condition)
13. Size of power conductor mm. : ACSR ZEBRA (Conductor dia. 28.62mm, Al. : 54/3.18 mm., Steel : 7/3.18 mm.
14. Size of Earth Wire : OPGW dia-12.66 mm


07/01/22
Executive Engineer
Electric Transmission Division
Begusarai

Minimum clearance in air above ground and across road surface of Highways or roads or railway corridors or navigational or non-navigational rivers for lowest conductor of an alternating current overhead lines, including service lines of nominal voltage system.

[See sub-regulation (1) of regulation (58)]

Nominal voltage of system	Clearance above ground			Clearance between conductor and road surface across Highway (m)	Clearance between conductor and rail level across Railway Corridor (m)	Clearance above HFL for River crossing	
	Across Street (m)	Along Street (m)	Elsewhere (m)			Navigational river (m)	Non-navigational river (m)
Upto 650 V	5.80	5.50	4.60	U/G Cable	U/G Cable	-	5.80
11 kV	6.50	5.80	4.60	U/G Cable	U/G Cable	-	6.50
22 kV	6.50	5.80	5.20	U/G Cable	14.1	-	6.50
33 kV	6.50	5.80	5.20	11.60 or U/G Cable	14.10	-	6.50
66 kV	6.50	6.10	5.50	11.60 or U/G Cable	14.10	19.00	6.50
110 kV	6.50	6.10	6.10	11.60	14.60	19.00	6.50
132 kV	6.50	6.10	6.10	11.60	14.60	19.22	6.50
220 kV	7.02	7.02	7.02	12.52	15.40	20.10	7.02
400 kV	8.84	8.84	8.84	14.00	17.90	21.90	8.84
765 kV	18.00*	18.00*	18.00*	18.80	23.40	25.55	18.00
1200 kV	24.00*	24.00*	24.00*	30.00	23.00 (from highest traction conductor)	29.90	24.00

For navigable rivers, clearances shall be fixed in relation to the tallest mast in consultation with the concerned navigational/port authorities.

* Higher clearance due to predominantly induction effects and time varying electric field (ICNIRP limit: 10 kV/m for occupational exposure) at voltage exceeding 400 kV.