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भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport & Highways)
क्षेत्रीय कार्यालय, मदुरै / Regional Office, Madurai
दूसरा व तीसरी तल, विजय कृष्ण प्लाज़ा, संख्या-1, लेक एरिया, मेलूर मेन रोड, माट्टुतावनी, मदुरै-625 007
2nd & 3rd Floor, Vijay Krishna Plaza, No.1, Lake Area, Melur Main Road, Mattuthavani, Madurai-625 107



BHARATMALA
ROAD TO PROSPERITY

INVITATION OF PUBLIC COMMENTS

NHAI/15018/3.6/3/2020/RO Madurai/ E-37803/1870

31st December, 2020

Subject: - NHAI, Madurai Region - PIU, Trichy -NOC for erection of 11 KV HT 6 HDOH line from Kumaramangalam Feeder crossing EB lines at Km 201/620 under DDUGY Scheme in Ulundurpet - Padalur section of NH-45 in the State of Tamil Nadu - Reg.

2) The proposal is regarding permission for crossing of Electrical 11 KV feeder line from Ulundurpet 110/33 KV Sub-Station under DDUGJY Scheme for crossing the above line at Km 201/620 near Kumaramangalam village in the section of Ulundurpet - Padalur section of NH-45 was submitted to this office by the PD, PIU, Trichy vide Lr. No. NHAI/PD/TRY/TNEB/NH45/U-P/2020/610 dated 09.09.2020 & modified proposal vide Lr. No. NHAI/PD/TRY/TNEB/NH45/U-P/2020/902 dated 05.12.2020 has submitted the proposal to this office in accordance with Ministry's latest guidelines dated 22.11.2016.

3) The alignment proposed by Executive Engineer, TANGEDCO, O&M Division , Ulundurpet for crossing of 11 KV feeder line from Ulundurpet 110/33 KV Sub-Station for crossing the feeder line at Km 201/620 near Kumaramangalam village in of Ulundurpet - Padalur section of NH-45 in the State of Tamil Nadu as details under;

Sl. No	Stretch	Available ROW (in Meter)		Proposal
		LHS	RHS	
1	Crossing at Km 201/620	29.8	107.5	The 11 KV RSJ Poles (1 No. of Pole on each side) are proposed to be erected at a distance of 42.5 m from Center line on RHS and at a distance of 24.50 m from Center line on LHS. Instant proposal is only for the crossing of 11 KV Feeder line at Km 201/620. The vertical clearance between road top level and the proposed feeder line is 13.40 m and span between two poles is 67 m.

Gng

4) As mentioned in the proposal, the ROW is 137.3 m @ Km 201/620 i.e. 29.8m on LHS and 107.5m on RHS from the Centerline. As observed from the drawing the Poles have been proposed to be erected at 24.50 m distance from the Centerline on LHS Side and 42.5m distance from the Centerline on RHS i.e. edge of Ulundurpet-Padalur stretch Project Highway @ Km 201/620. As per Towers Spotting data, the Manual of Transmission lines vide (vii) for all NHs crossing tension tower is to be used and crossing span is not to exceed 250 m. As in the instant proposal, the span of the Towers is 67.00 m, hence, it is in conformity with the Manual of Tower Spotting Data.

5) The vertical clearance of the lowest HT line is 13.40 m from the FRL of NH-45 at the said location. As per Ministry's Guidelines No. NHIII/P/20/77 dated 08.04.1982, para 2.3, which states about actual ground clearance of High Tension lines for voltage above 650 Volts varying depending upon the Voltage transmitted and these are stipulated in Indian Standard Codes is 5613-1976 Part I to IV and Indian Electricity Rules, 1956 as under;

Sl. No.	Voltage	Vertical Clearance
1.	66 KV	6100 mm (6.1m)
2.	132 KV	6100 mm (6.1m)
3.	220 KV	7015 mm (7.01 m)
4.	400 KV	8840 mm (8.84 m)

6 As per the afore-mentioned circular, the requisite vertical clearance for upto 66KV is 6.1 m. However, the instant proposal is for 11KV with 13.40 m of vertical clearance, hence the proposal is in conformity. Moreso, Executive Engineer, O&M Division, TANGEDCO, Ulundurpet has furnished necessary undertaking that they will shift the electric lines within 90 days (or as specified by the respective agency/owner) from the date of issue of the notice by the NHAI, Govt. of India to shift/relocate the overhead electrical lines. Further, it is mentioned that in case, it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridges and restore the road/land to its original condition at its own risk and cost. Further, an undertaking has also been furnished by the applicant that they will pay the fee/rent as mentioned in the Ministry Guidelines dated 22.11.2016 as and when asked by NHAI.

7) Accordingly, the proposal is in conformity with Policy Guidelines issued by Ministry vide letter No. RW/NH-33044/27/2005/S&R dated 22.11.2016. Also, as per the above mentioned Policy Guidelines, the application will be made on 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 proposal is invited to the below mentioned address:

The Regional Officer,
National Highways Authority of India,
No.2nd & 3rd Floor, Vijay Krishna Plaza,
No.1, Lake Area, Melur Main Road, Mattuthavani,
Madurai - 625 007.

K. Govindasamy
(Govindasamy K) 31.12.2020
Deputy General Manager (Tech.,)
For Regional Officer

Copy to:

1. The NIC, New Delhi - for uploading in the Ministry's website.
2. PD, PIU, Trichy - for information