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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/15018/4.2/09/2021/RO Madurai/E-79290/851

17th May, 2021

Sub: NHAI, Madurai Region - PIU, Dindigul - Permission for erection of 765 KV DC Over Head Power Transmission line across the road at Km 10/760 in the section of Dindigul - Theni of NH-45(E) in the State of Tamil Nadu - Invitation of Public Comments - Reg.

The proposal received from PD, Dindigul vide letter No. NHAI/PIU/DGL/11014/08/TANTRANSCO/Erection/2021/703 dated 16.04.2021 thereby requesting permission for Erection of 765 KV DC Over Head Power Transmission line across NH road at Km 10/760 in the section of Dindigul - Theni of NH-45(E) in the State of Tamil Nadu proposed by the Executive Engineer, Civil/TP/765KV, Virudhunagar in accordance with Ministry's latest guidelines dated 22.11.2016.

2) The alignment proposed by Executive Engineer, Civil/TP/765KV, Virudhunagar and requesting permission for crossing of 765 KV DC Over Head Power Transmission line across NH road at Km 10/760 in the section of Dindigul - Theni of NH-45(E) in the State of Tamil Nadu as under;

S. No	Stretch	Available ROW (in m)		Proposal
		LHS	RHS	
1	Crossing at Km 10/760 in NH-45E (Angle of Crossing 76° 45' 34").	15.00	22.00	The 765 KV EHT towers (1 No. of Pole on each side) are proposed to be erected at a distance of 93 m from Center line on RHS and at a distance of 155 m from Center line on LHS. Instant proposal is only for the crossing of 765 KV DC Over Head power transmission line at Km 10/760. The proposed clear height from the FRL and the bottom of the conductor is 29.50 m and span between two towers is 248 m.

[Signature]

3) As mentioned in the proposal, the ROW is 37 m @ Km 10/760 i.e. 15 m on LHS and 22 m on RHS from the Centerline. As observed from the drawing, the towers have been proposed to be erected at 155 m distance from the Centerline on LHS and 93 m distance from the Centerline on RHS. As per Tower spotting data, it is mentioned that for all NHs crossing, span of tension tower should not to exceed 250m. As in the instant proposal, the span of the Towers is 248m which is in conformity with the Manual of Tower Spotting Data.

4) With reference to Vertical Clearance, as per Indian Electricity rules / MoRT&H Norms, the minimum ground clearance is worked out for 765 KV DC Overhead Power Transmission line crossing as under;

S.No	Reference	Minimum Ground Clearance
1	Rule 77, Indian Electricity Rules, 1956, - Calculation; $6.1 + [0.3 \times (765-33)/33] = 6.1 + 22.18 \times 0.3 = 12.75$	12.75 m
2	Manual on Transmission lines published by Central Board of Irrigation & Power Para 4.4.1 - Ground Clearance (table-4) for DC Voltage	18.00 m
3	Power Grid Corporation of India Ltd Sl. No.VII, General Notes on Tower Spotting data for 765 KV line	18.80 m
	Maximum of above 3	18.8m

In the instant proposal, the proposed vertical clearance is 29.50 m, which is satisfying the criteria of vertical clearance.

5) Executive Engineer, Civil/TP/765KV, Virudhunagar has furnished necessary undertaking to the effect that they will shift the electric lines within 90 days from date of issues of the notice by NHAI to shift/relocate the Over Head electrical line, in case it is required for the purpose of improvement/widening of the road/route/highway or construction of layover/bridges and restore the road land to its original condition at own cost and risk. It is also mentioned that, the proposed erection of 765 KV DC Over Head Power Transmission line across NH work will not damage the other utility, if damaged and then pay the losses either to NHAI or to the concerned agency, as and when asked by NHAI.

6) 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 is 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. 3rd Floor, Vijay Krishna Plaza,
No.1, Lake Area, Melur Main Road, Mattuthavani,
Madurai - 625 007.

This is issued with approval of Regional Officer-Madurai.

K. Govindasamy
(Govindasamy) 17/05/2021
Deputy General Manager (Tech.,)
Regional office, Madurai