

**C A No. Applied For**  
**Complaint No. 08/2022**

**In the matter of:**

Rakesh .....Complainant

**VERSUS**

BSES Yamuna Power Limited .....Respondent

**Quorum:**

1. Mrs. Vinay Singh Member(Law)
2. Mrs. Monika Taneja, Member (CRM)

**Appearance:**

1. Mr. Rakesh, Complainant
2. Mr. Imran Siddiqi and Mr. Deepak Jain, On behalf of BYPL

**ORDER**

Date of Hearing: 21<sup>st</sup> February, 2022  
Date of Order: 23<sup>rd</sup> February, 2022

**Order Pronounced By:- Mrs. Vinay Singh, Member (Law)**

Briefly stated facts of the case are that the complainant applied for new electricity connection but the respondent has not released the same till date.

It is also his submission that he applied for new electricity connection vide application no. 8005202174 on 04.10.2021 but the respondent company rejected his application for new connection on the pretext of "premises is under "RIGHT OF WAY" of HT Line.

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Therefore, he requested the forum to direct the respondent for immediate release of the new connection.

Notices were issued to both the parties to appear before the Forum on 07.02.2022. Notice was also issued to DGM, DTL, Room No. 105, 22KV Office Complex, Patparganj, Delhi-110092 for providing name and voltage level of the transmission line, electrical clearances and approximate location of the premises with respect to adjacent towers for the premises.

The respondent in their reply stated that the complainant applied for new electricity connection at the premises no. H.No. F/F, Kh.No. 135 & 140, Kaushal Puri, Chawla Farm, Kaushal Puri, Chauhan Patti, Delhi-110094 for domestic purpose vide request number 8005202174.

On site verification it was found that the premises in issue is under RIGHT OF WAY of HT Line, a deficiency letter was issued to the complainant on 12.11.2021 duly intimating the complainant that "Premises is under RIGHT of way of HT Line" (Horizontal distance from premise to HT line conductor is 4.10 meters approx. vertical distance from ground to HT Conductor is 16.30 meters approx, building height is 10.50 meters approx and vertical distance from roof to H.T. conductor =  $16.30 \text{ mtr} - 10.50 \text{ mtr} = 5.80 \text{ meters}$ ), and the terrace area is 391 sq feet, mumty+toilet/bathroom area = 90 sq feet, hence the new electricity connection is not possible.

It was also their submission that Dy. Secretary (Dept. of Power) vide its letter dated 18.01.2017 has clarified that DISCOMS cannot provide electricity connections under HT lines as, as per CEA Regulations 2010, there is a right of way for the HT lines under various voltage level. Accordingly, since the issuance of the said letter the DISCOMS are not issuing electricity connection under HT lines. It was also mentioned that 220 KV HT lines pertains to DTL and only DTL can ascertain the clearance of the connection as per CEA Regulations.

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The matter was listed for hearing on 07.02.2022, when respondent filed their reply and submitted that due to shut down by DTL, DTL would provide reply regarding the vertical and horizontal distance within a day or two.

The matter was again finally heard on 21.02.2022, when Forum noted that DTL has filed their report and matter was reserved for orders.

**DTL in their report dated 07.02.2022 submitted as under:-**

- The location specified was inspected alongwith BYPL and it was found that establishment bearing address as H.No. 103, GF, Kh.No. 135 & 140, Kaushalpuri, Chauhan Patti, Delhi-94, falls near to DTL's 220 KV double circuit Mandola-South of Wazirabad overhead transmission line (circuit-III). Horizontal clearance of the structure from perpendicular to the bottom phase conductor is 4.11 meters.
- that location of premises with respect to adjacent tower and tower no. :- Approx 5 meters from tower no. 29.

We have gone through the submissions made by both the parties and heard their arguments. From the narration of facts and material placed before us we find that the premises where the electricity connection has been requested by the complainant is in the right of way width of 220 KV (EHV) Transmission line of DTL as submitted by the respondent and on this ground itself the respondent rejected the request quoting the letter no. F-11(17)/2014/Power/91 dated 18.01.17 from Govt. of NCT (Department of Power), New Delhi. The relevant portion is as under:-

*"Connection under high tension lines: As per CEA Regulations 2010 there is a right of way for the HT lines under various voltage levels. No construction is allowed under these HT lines as per the right of way specified in the said CEA Regulation."*

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As per classification of the voltages by CEA-the 220KV voltage is classified under Extra High Voltage (EHV) and the building is not under the line as per explanation given at Schedule X for Rule 61 of CEA Safety Regulations. Also in the agenda point no. 4 for the 4<sup>th</sup> meeting of CEA standing committee on electrical safety, in January 2019, states as under:-

*"In this regard, it may be stated that CEA Electrical Safety Regulations, 2010, with its present amendments does not cover/indicate the ROW requirements for transmission lines. Neither has it showed any relation of ROW with the electric safety clearance specified in Regulation 58, 60 and 61 of CEA Electrical Safety Regulations, 2010. Due to this, problem is being faced by the Transmission/Distribution licensees in prohibiting people from construction of permanent structures below or close to the EHV or HV electric corridors."*

In a similar matter (complaint No. 73/2019), of Sunita Kumari, a letter was written to the Assistant Electrical Inspector, for safety clearances from 220 KV transmission lines, for their opinion/comments.

The Electrical Inspector, vide letter no. ED.4(01)/EI/2020/57 dated 31.01.2020 specify that "the present matter does not come under purview of Regulation 63 of the Central Electricity Authority (Measures relating to safety and Electric Supply) Regulations, 2010. However, the minimum vertical and horizontal clearances of the lines are to be maintained in accordance with the provisions under Regulation 61 of the Central Electricity Authority (Measures relating to safety and Electric Supply) Regulations, 2010. Further, the measurement of vertical and horizontal clearances of lines shall be as specified in Schedule X of the said Regulations."

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There is no provision in the Act, CEA Regulations and DERC Regulations, which prohibits release of electricity connection in houses and permanent structures near or close to EHV line if electrical safety clearances as specified in Regulations 58, 60 and 61 of CEA electrical safety regulations 2010 are available for that particular construction. Regulations 61 of CEA 2010, is as under:-

61 Clearances from buildings of lines of voltage exceeding 650V : (1) An overhead line shall not cross over an existing building as far as possible and no building shall be constructed under an existing overhead line.

(2) Where an overhead line of voltage exceeding 650 V passes above or adjacent to any building or part of the building it shall have on the basis of maximum sag a vertical clearance above the highest part of the building immediately under such line, of not less than:-

- |                                                                                  |                                                                                       |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| (i) For lines of voltages exceeding 650 Volts<br>Upto and including 33,000 volts | 3.7 meters                                                                            |
| (ii) For lines of voltages exceeding 33 KV                                       | 3.7 meters plus<br>0.30 meter for ever<br>additional 33,000 volts or<br>part thereof. |

(3) The horizontal clearance between the nearest conductor and any part of such building shall, on the basis of maximum deflection due to wind pressure be not less than:-

- |                                                                                    |                                                                                    |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| (i) For lines of voltages exceeding 650 Volts<br>Upto and including 11,000 volts   | 1.2 meters                                                                         |
| (ii) For lines of voltages exceeding 11, 000 V<br>And upto and including 33, 000 V | 2.0 meters                                                                         |
| (iii) for lines of voltages exceeding 33 KV<br>for                                 | 2.0 meters plus 0.3 meter<br><br>every additional 33,000 volts<br>or part thereof. |

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Provisions for electrical safety in the DERC Regulations are as under:-

5. Safety of electrical installations:- (1) The Licensee and the consumer shall, in every respect, comply with the provisions of the Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2010, as amended from time to time.

The, under the line condition and line passing adjacent to the building sketch has also been shown on schedule X for the Rule 61 of CEA Regulations, which indicates that if any portion of a building/construction lies between the vertical space between the spread width of the outermost conductors (along with swings due to wind pressure), then the Building/construction is said to be under the line. In the present case the building/construction is not under the line and the line is not passing/adjacent to the building, as per details submitted by the respondent.

The details submitted by the respondent are as under:-

- i) Horizontal distance 4.10 meters approx
- ii) Vertical distance 16.30 meters approx
- iii) Building height 10.50 meters approx
- iv) Net vertical distance  $16.30 - 10.50 = 5.80$  meters approx

We are of considered opinion that there is sufficient horizontal and vertical distance from the EHV line, therefore, the connection can be granted to the complainant.

Thus, there is no violation of Regulations 58, 60 and 61 of the CEA electrical Safety Regulations 2010. However, keeping in view the swing and maximum sag conditions, the complainant is directed to observe necessary caution and restrict entry to the area on the roof towards the EHV line particularly during strong wind/storm conditions. The complainant is required to submit undertakings as under:

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- i) That he shall not extend the present building structure without prior permission from BYPL/DTL. Jointly signed sketch of the premises, mentioning the present clearances shall also be part of the agreement for release of this connection.
- ii) That whenever there is any amendment in Electrical Safety Rules particularly ROW width and her house/building is found infringing any rule regarding electrical safety, the electricity connection shall be disconnected.
- iii) The respondent is directed to release the connection after completing all necessary commercial formalities and submission of affidavits/undertakings as mentioned in the order.

The case is disposed off as above.

No order as to the cost. Both the parties should be informed accordingly.  
Proceedings closed.

  
(MONIKA TANEJA)  
MEMBER (CRM)

  
(VINAY SINGH)  
MEMBER (LAW)