

Format for intimating the Failure of Transmission line Towers

1. Name of Transmission line with voltage level:
2. Date and time of occurrence/discovery of failure
3. Length of line (km):
4. Type of configuration:
[(S/C, D/C, M/C, S/C strung on D/C towers, narrow base etc.)
5. Number of Towers and Type of Towers failed:
[Suspension/ tension/dead end/special tower /river crossing tower/ Power line crossing/Railway Crossing etc., with / without extension (indicate the type & length of extension)]
6. Tower location No. with reference to nearest substation(indicate Name):
7. Name and size of conductor:
8. No. of sub-conductors per bundle and bundle spacing:
9. Number and size of Ground wire/OPGW (if provided):
10. Type of insulators in use(Porcelain / Glass / Polymer):
11. Configuration of insulators (I / V / Y / tension):
12. No. of insulators per string and No. of strings per phase:
13. Year of construction / commissioning:
14. Executing Agency:
15. Weather condition on the date of failure:
16. Terrain Category:
17. Reliability Level:
18. Wind Zone (1/2/3/4/5/6) and velocity of wind:
19. Details of earthing of tower (pipe type/ Counter poise):
20. Line designed as per IS:802 (1977/1995/2015 any other code):
21. The agency who designed the line:
22. Any Special consideration in design:
23. Details of last maintenance activity along with date:
24. Power flow in the line prior to failure:
25. Any missing member found before / after failure of towers:
26. Condition of foundation after failure:
27. Brief Description of failure:
[Along with photographs (if available), other related information like tower schedule, newspaper clipping for cyclone / wind storm etc.]
28. Probable cause of failure:
29. Details of previous failure of the line / tower :
30. Whether line will be restored on ERS or Spare tower will be used:
31. Likely date of restoration:
32. Present Status:
33. Details of any Tests carried out after failure(attach test reports):
34. Wind speed data of date & time of failure from nearby authorized observatory:
35. Location of failed tower
 - a. Location Coordinates:
 - b. Nearest Airport:
 - c. District and State:
36. Single line diagram/clearance diagram of failed tower(s) with all dimensions (horizontal & vertical dimensions including base width of tower)

- 37.** Tower weight:
- 38.** Tower spotting data:
- 39.** Tower schedule of affected section
- 40.** Sag tension calculation considered for design of tower
- 41.** Design document of failed towers:
- 42.** Any other relevant information: