

**DEPARTMENT of TELECOMMUNICATIONS GUIDELINES FOR ISSUE OF
CLEARANCE FOR INSTALLATION OF MOBILE TOWERS**

**A. Documents to be submitted by Telecom Service Providers/
Infrastructure Providers:**

1. Copy of Access Service License / Infrastructure Provider Registration Certificate from Department of Telecommunications.
2. Copy of Standing Advisory Committee for Frequency Allocation (SACFA) clearance for the said location issued by Wireless Planning Commission (WPC) Wing of Department of Telecom. [Telecom Enforcement, Resource and Monitoring (TERM) cells certification for installation of towers as getting clearance from SACFA takes little long time.]
3. Other clearance at State / Local authority level:
 - i) Copy of the type test certificate issued by Automotive Research Association of India (ARAI) to the manufacturers of the Diesel Generator (DG) Sets [The DG sets used shall be as per the provisions under Environment (Protection) Act 1986 & noise pollution(Regulation & control) Rule 2000 as amended from time to time].
 - ii) Copy of clearance from Fire Safety Department only in case for high rise buildings where Fire Clearance is mandatory.
 - iii) For forest protected areas, the copy of clearance from State Environment & Forest Dept. , if applicable.
 - iv) Copy of No Objection Certificate (NOC) from Building Owner.

B. Base Trans-receiver Stations (BTS) Tower Details:

1. Data Sheet
 - a. Name of Service/Infrastructure Provider
 - b. Location
 - c. Tower Reference:
 - i) Height, ii) Weight iii) Ground/Roof Top, iv) Number of antennas planned on tower,
2. Copy of structural stability certificate of foundation for ground based BTS.

OR

In case of roof top BTS towers, structural stability certificate for the building based on written approvals of any authorized Structural Engineer of state/local bodies/Central Building Research Institute (CBRI), Roorkee/ IIT/NIT or any other agency authorized by local body.

C. Safety/Precautionary Provisions(Relevant to TERM Cell Unit Verification):

- i) In case of both ground based towers & roof top towers, there shall be no nearby buildings right in front of the antenna with height comparable, subject to the height adjustment due to total antenna tilt, to the lowest antenna on tower at a distance threshold as specified below:

Number of Multiple antennas in the same direction	Building/Structure distance from the antenna (safe distance) (in mtrs)
1	20
2	35
4	45
6	55

Alternatively, operators need to establish/certify that all General public areas are within safe EMF exposure limits as per actual peak traffic measurements after the antenna(s) start radiating.

ii) Wall Mounted/Pole mounted Antenna:

- a. The antenna mounted on pole should be at least 5 metre above ground level /road level on flyovers.
- b. No residential/office/work place is directly in front of the wall/pole antenna at a height comparable to the antenna as per para c(i) above.

(Note: Calculation of safe distance/ pole mounted height are based on Maximum 20 Watt RF power radiated from the antenna. Correction factor shall be applicable for low power radio techniques.)

D. Points Relevant to State/Local Administrative Authorities

- i) Nominal one time Administrative Fee as may be decided by the State Government to recover its costs on the issue of permission for installation of Tower.
- ii) Telecom towers have been given infrastructure status by Government of India vide gazette notification no 81 dated 28.03.2012. All benefits, as applicable to infrastructure industry, should be extended. Electricity connection may be provided to BTS site on priority.
- iii) Formation of State and District Telecom Committees:
Keeping public interest in view, there is a need of regular interactions between TERM Cell of DOT and State / District administration under District Collector. Hence it is proposed to Set-up State and District Telecom Committees for review of all Telecom Infrastructure related issues at State/ District Level consisting of officers from TERM Cells, State/District Administration and the concerned Telecom Service Provider(s).
- iv) Telecom installations are lifeline installations and a critical infrastructure in mobile communication. In order to avoid disruption in mobile communication, an essential service, sealing of BTS towers/disconnection of electricity may not be resorted without the consent of the respective TERM Cell of DoT.
- v) All radiation related technical details are dealt with by TERM cells of DOT.
- vi) Single Window Clearance may be provided in a time bound manner to telecom service provider / infrastructure provider by the local body / State Government. This will ensure issuance of faster clearances.
- vii) Public awareness programme may be conducted regularly by involving concerned TERM Cells & Telecom Service Providers.