

Installing Mobile Towers in IITK Campus

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In regard to Cell phone tower installation, signal strength map was prepared during night hours (post 11 pm) when the observed signal strength is low as compared to the rest of the day. This was carried out for Airtel and Tata Docomo networks.

Link to the map:

<https://drive.google.com/file/d/1q7JqzEN6LD6-Xy9skG-D4v3GIEqVRQhB/view>

Values mentioned in the map are documented in this sheet

<https://docs.google.com/spreadsheets/d/1vH8W86LCK83Hsy7AwfHKRb6lNtqH6Ugi85AcGc8qCT0/edit#gid=0>

independent studies on the biomedical impact of mobile towers :

https://drive.google.com/drive/folders/1vfcaM1FYU_Pyf-DSrW4Q-DTShB3XFNXC

With regard to the above mentioned proposal, a meeting was held and we reached the conclusion that the signal strength is quite low in the campus and there is a need to install mobile towers.

Few points to be kept in mind:

1. While choosing the locations, biomedical impact of cell phone towers need to be kept in mind.
2. A safe distance of 100m radius is chosen from all residential/ academic area.
3. Since one tower has a number of operators, radiation increases manifold. Hence, at any point total radiation is calculated not per operator.
4. Tower installation company is intimidated to think of ways as to how the total radiation can be continuously monitored.

Based on the above points, 4 locations were chosen :

1. Area between cricket field and outreach auditorium.
2. Behind stage of pronite ground.
3. Near petrol pump grassland
4. Auditorium smaller ground.

Map of locations is attached for reference.