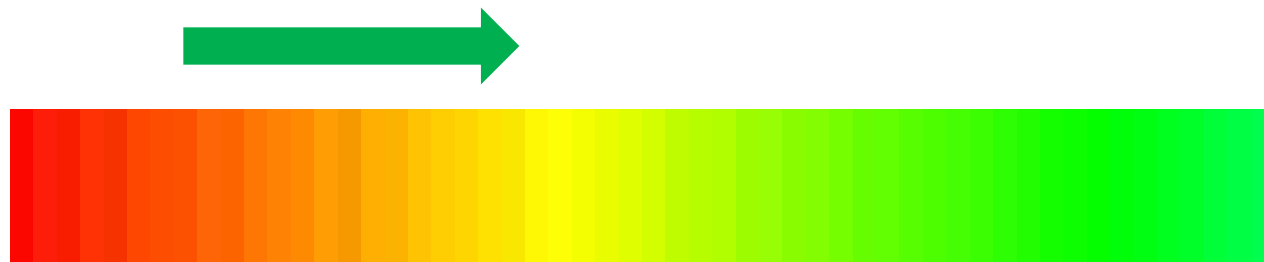


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Green tower

How close to green ?



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# Criteria for getting closer to **green**

- Less energy consumption
- Less toxic waste
- Less pollution



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AyCrete & TA Infra



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AyCrete & TA Infra

# Traditional Site

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Antennas

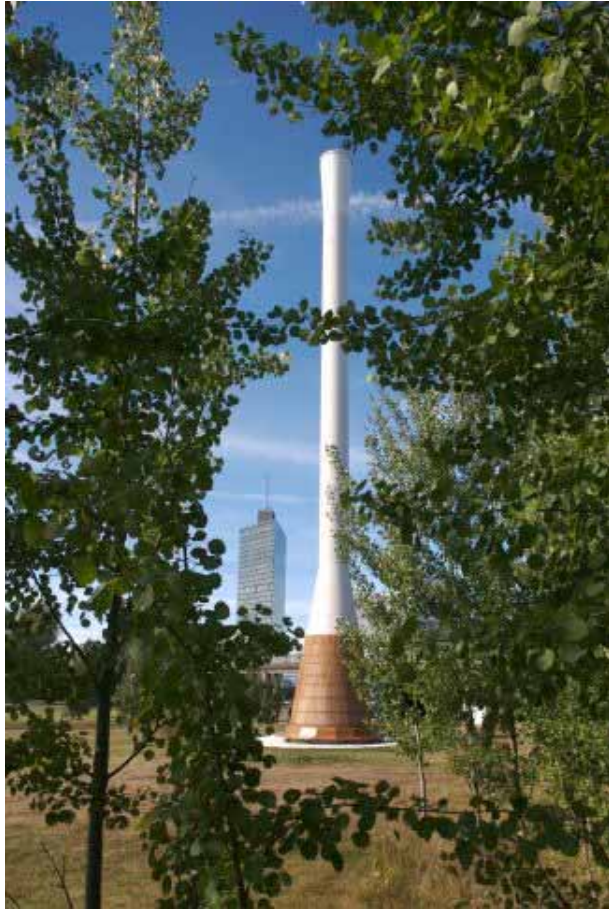


Feeders



Shelter + Battery  
+ Guard room + AC-2  
+ Diesel generator  
+ Fencing





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# Harmonic Site -Main Characteristics

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- 60-75% less footprint
- 30% less CO2 emissions
- 40% less Power Consumption
- No need for active cooling
- Lower equipment consumption



# Harmonic Site -Main Characteristics

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## Enhanced Radio Performance

- Greatly reduced feeder loss
- Increased capacity & coverage
- Up to 20% less sites



# Project in India -Main Characteristics

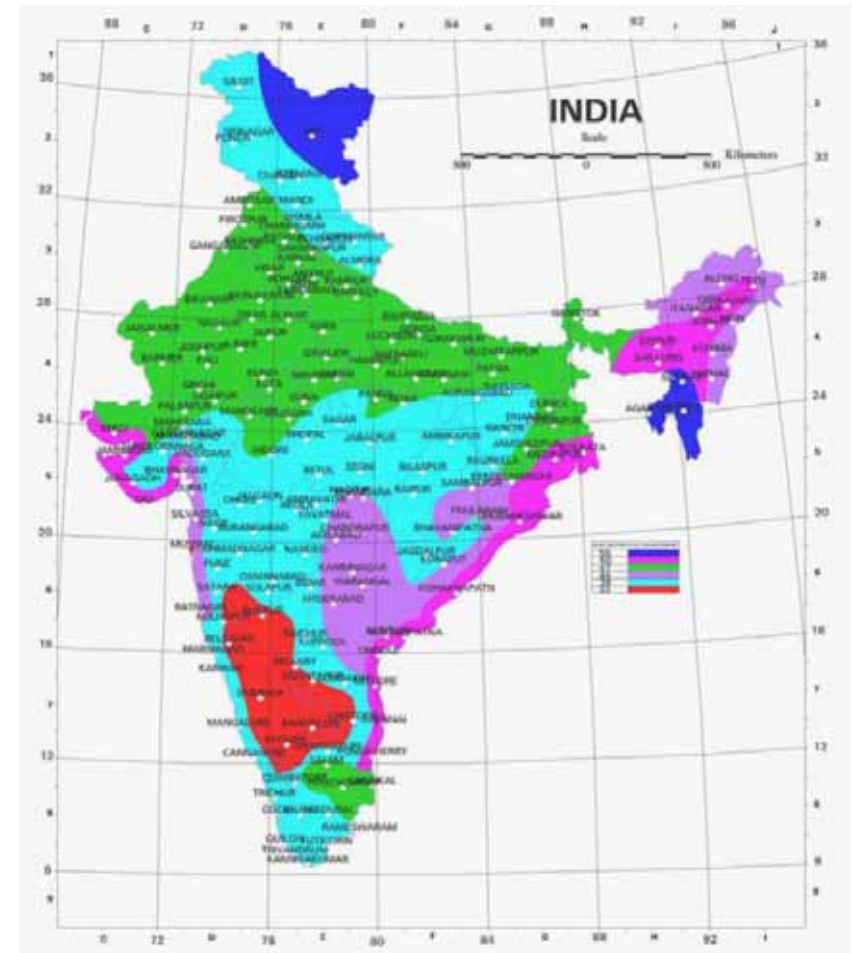
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## Main requirements

- Approved by an Indian university and IS-codes
- Minimum foot print
- Operational wind velocity 25 m/s, max tilt 0.75 deg
- Survival wind speed velocity 50 m/s

# Project in India -Main Characteristics

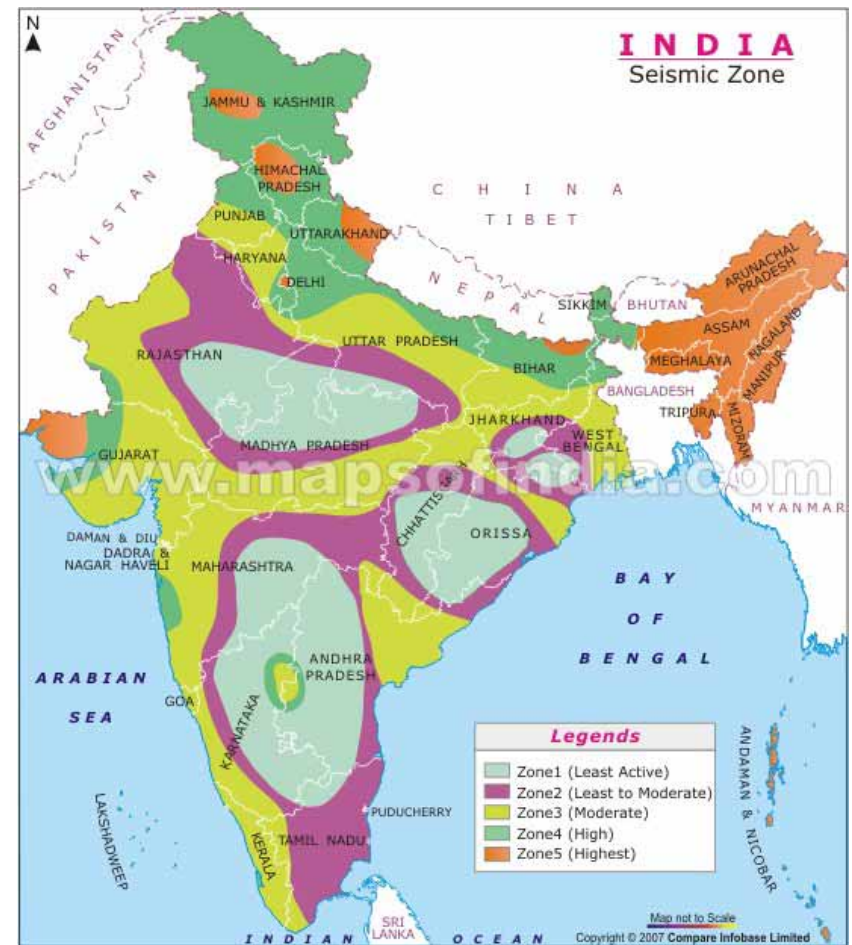
Survival wind velocity 50m/s



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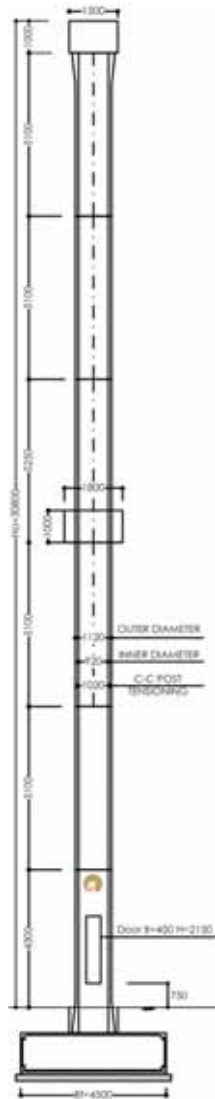
# Project in India -Main Characteristics

Seismic zone IV, soft soil type



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# Project in India -Main Characteristics



Post-tensioned concrete

Max tilt at operation 25m/s

0.06 degree

# Project in India -Main Characteristics

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## WHY ?

- Post-tensioning
- Thin section
- Earthquake design
- Assembling

# Project in India -Main Characteristics

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Thank you...!

धन्ाद