

## INSPIRE STATE LEVEL EXHIBITION 2011

### WRITE UP OF THE PROJECT / MODEL

APAN100385

**Name of the project : Metro system**



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**A brief note on up on the project**

#### **How technology is kicking up a storm**

The Metro system scientists used ionisers to produce negatively charged particles called electrons. They have a natural tendency to attach to tiny specks of dust which are ever-present in the atmosphere in the desert – regions.

These are then carried up from the emitters by convection – upward currents of air generated by the heat release from sunlight as it hits the ground. Once the dust particles reach the right height for cloud formation, the charges will attract water molecules floating in the air which then start to condense around them.

If there is sufficient moisture in the air, it induces billions of droplets to form which finally means cloud and rain