

## China to launch three artificial moons



China, absolutely not exaggeratedly is the land of innovation and currently, they are working on a project to launch three artificial moons by 2022 which will be bright enough to replace the street lights and help in saving billions worth of electricity - pocket friendly and environment friendly.

The Chinese Science and Technology Department is working on an artificial moon project, under which they will launch three artificial moons into the sky by the year 2022. The entire project consists of a number of steps like verification of the launch, orbit injection, unfolding, illumination, adjust and control of the artificial moons. What these moons will do is, illuminate so bright that they will replace all street lights in the entire country and be enough to light-up dark streets during night time.

These artificial lights sources will be placed at a height of 500 kilometres from Earth and will orbit our planet - while the real moon is around 3,80,000 kilometres away from the Earth. If you are wondering about how these will work, well, their working is pretty simple, straight forward and practical. The artificial moons are nothing but the satellite carrying huge space mirrors, which will reflect the light of the Sun directly to the Earth. The intensity of these artificial moon's light is expected to be around eight times higher than the current moon's illumination. Which means, they will be capable of covering an area of 3,600 square km to 6,400 square km.

So all these three huge mirrors will divide the 360-degree orbital plane, realizing illuminating an area for 24 hours continuously - without any electric power supply whatsoever. Besides cutting down the cost by over 1.2 billion Chinese yuan a year, the moons will be helpful whenever natural disasters happen and the blackout occurs - because there will be no blackouts up there. Countries like China, Russia, the US, Japan, and the EU are all striving to make technological breakthroughs on space energy application, and the artificial moons might be the first things in the field.