

# INDIA BASED NEUTRINO OBSERVATORY

## WHAT IT IS NOT AND DOES NOT ?

### **Is Not a nuclear arms factory.**

It is a basic science research project aimed at studying harmless particles called neutrinos produced naturally in the atmosphere. All details of this project are readily available on the web for general public. Details of an ammunition factory are never disclosed to the public.

### **Does Not pose a danger to anyone.**

This project is absolutely safe to all living beings. As a matter of fact, everyday, students, both male and female, touch and work with a miniature setup of the observatory in Mumbai. They are very much safe and are longing to see the bigger one soon.

### **Does Not emit dangerous radiations.**

Neutrinos are naturally produced and millions of them pass through everyone of us every second without harming us. This will happen even if this project is not constructed at all. No hazardous radiations are emitted in this experiment.

### **Does Not affect the soil and water.**

Absolutely not. Scientists are concerned about these issues. Much care has been taken to ensure that the project is eco-friendly. No hazardous chemicals or materials are used in this project. Simple glass plates and iron layers and an environment friendly gas do the job of neutrino detection.

### **Does Not affect forests and greeneries.**

To prevent unwanted signals disturbing the detector, the entire setup will be placed deep inside a mountain. Nothing outside the mountain will ever get affected. Forests will remain as they are and as green as ever.

### **Is Not a commercial venture.**

No commercial interests exist in this project. This project was borne in the minds of scientists who aspire to bring our nation in the forefront of the international scientific community. This effort is a milestone in India's scientific history and would be a strong foundation for the future scientists of our nation.