

Abnormal tidal waves hit the eastern coast of southern India in the morning on 26th December, 2004 where the Madras Atomic Power Station and other installations of the Department of Atomic Energy at Kalpakkam are located. The nuclear power station was brought to a safe shutdown condition. All the nuclear installations at the site are safe and there is no danger of any release of radiation. The situation in the Kalpakkam township affected by the tidal waves is being attended to.



*Madras Atomic Power Station*

### ***Award for IGCAR director***

The International Committee for Non-Destructive Testing (ICNDT) Research award for the years 2000-2004 has been given to Dr. Baldev Raj, Director of the Kalpakkam based Indira Gandhi Centre for Atomic Research (IGCAR). This award is in recognition of his research contributions and the impact of his contributions in the area of non-destructive evaluation (NDE) science and technology. Given once in four years, the award is open for competition among the member countries of the ICNDT. This award is given for a comprehensive lifetime achievement and takes into account the person's contribution to the science of NDT. In short, it is a sum total of a researcher's contribution to NDT and the way the researcher's contribution helped steer the path of NDT research.

Dr. Baldev Raj has also been conferred with the prestigious MRSI-ICSC Superconductivity & Materials Science Award for the year 2005.

### **State-of-the-art Milling Machining Centre at Trombay**

A latest state-of-the-art Computerized Numerical Controlled (CNC) Floor Type, Ram Type, Boring and Milling Machining facility, costing Rs. 6 crore, manufactured by the Hyderabad Division of Hindustan Machine Tools Limited (HMT) was recently commissioned at BARC.

This machine, which has many firsts to its credit, like automatic compensation for deflection of cutting tool, and hydrostatic bearing pads for column of the machine, is the result of close technical interaction between BARC and HMT.

The machine incorporates the latest CNC Control System having adaptive controls. The tool magazine head houses various cutting tools and right angle milling, face milling and universal milling heads, which can be changed automatically.

Commissioning of this machine enhances the capability of the Centre for Design and Manufacture (CDM) of BARC, to support the high precision machining activity. The machine has the capability to handle complex jobs requiring CNC machined profiles.

HMT is also participating in the development of several other high technology items of interest for research & development in science and technology under its technical collaboration with BARC.