**BACKGROUND**

**LONG WAVE RADIO (LWR) AMIED AT IMPLEMENTING**

**NATIONAL CENTRE OF DISSEMINATION**

We intend to setup National Centre of Dissemination (NCD) in India based on Long Wave Radio (LWR) technology. The proposal is to establish NCD in PPP Model with Government of India. LWR is a state of art unique technology for coverage beyond 1000 km radius area. It is capable of disseminating multiple information and control services on real time basis countrywide such as national time code signal, weather forecasting, tsunami alert, civil alert, power load management and others.

The above data in India shall be provided by labs and departments set up by above referred ministries e.g. time signal will be provided by National Physical Laboratory (NPL), weather information from Indian Metrological Department among others.

LWR is a foundation technology, which was implemented in the 1940’s by a few developed nations. It is still effective and working in Germany as it continues to be very beneficial and is furthered by constant upgrades and innovations taking place on regular basis. With its strong built-in special characteristics and capabilities to transmit radio signals, it not only covers a wide geographical area to a high degree but also reaches deep in the underground. LWR is still preferred in developed countries and a perfect choice for disseminating information service. United Kingdom, USA, Japan, Germany and China are using LWR system. China implemented the system in 2010.

NCD will create a *simple, standalone and economical* solution in comparison to any other presently available communication modes. Two LWR towers will cover the entire nation. It shall play a strong role to offer important public services and such a technology is currently missing in India. On implementation NCD will become a valuable asset to be added in the National Stock of Infrastructures.