

National Mineral Awards – 2007

Geophysics / Applied Geophysics: Theoretical development leading to new methodologies in geophysical exploration, Application of geophysical methods to the study of earth sciences, geo-magnetism, ground, airborne & marine geophysical survey techniques and instrumentation

Dr. Virendra Mani Tiwari, Scientist 'E', National Geophysical Research Institute, Hyderabad has carried out intensive gravity and magnetic studies on different parts of the Indian lithosphere including southern Indian shield and the Himalaya. The plate tectonics model proposed by him for the Central Indian Suture zone and Aravalli- Delhi fold belt has received wide recognition.

He has proposed a geodynamic model for the emplacement processes of Ninety- East Ridge and Chagos Laccadive Ridge in the Indian Ocean and a 3 D density structure of Western Indian Margin that has implications on the demarcation of Continental Legal Shelf.

Dr. Tiwari initiated absolute gravity measurements of micro-Gal accuracy in India and at the Indian station, Antarctica. His recent work on Sumatra subduction zone is internationally recognized.

In recognition of his significant achievement in the in the acquisition and interpretation of high precision geophysical data, National Mineral Award - 2007 is conferred upon Dr. Virendra Mani Tiwari.

