

7. R & D PROJECTS : AN OUTLINE (1998-99)

Sponsored Projects

1. Determination of material properties of road pavement component layers from surface measurements - development of mathematical model and software (DST) Collaborating lab: CRRl
2. Genesis, intensification and early warning of Bay of Bengal cyclones (DST)
3. Determination of crustal deformation in the Indian Eurasian Plate - Quantification of strain accumulation in and across the Himalayas and mechanism of continental tectonics (NSF)
4. Crustal deformation of the Southern Indian Peninsula - A search for seismogenic zones and modelling of its deformation mechanism (DST)
5. Scale interactions in air, land, sea coupled environment and north-east monsoon (Indo-US Fund)
6. Hierarchical lattices for nonlinear dynamical models of earthquake processes (DST)
7. A mathematical modelling approach to the study of the deformation characteristics of natural fault zones (DST)
8. Indian ocean modelling and dynamics (INDOMOD) (DOD)
9. Noise tomography (Daimler Benz Research Centre (I) Pvt. Ltd)
10. Establishment of GPS reference station in WIGS-84 at Mumbai, Chennai, Calcutta & Trivandrum Airports (AAI)

Collaborative Projects

1. Simulation of Bioremediation in Hydrocarbon Contaminated Soil Beds (with Regional Research Laboratory, Jorhat)
2. Kinetic Analysis of Cephalosporin Biosynthesis (with Regional Research Laboratory, Jorhat)