

7. R & D PROJECTS : AN OUTLINE (1999-2000)

Sponsored Projects

1. Determination of material properties of road pavement component layers from surface measurements– development of mathematical model and software (DST; with CRRl)
2. Determination of crustal deformation of the Southern Indian peninsula (DST)
3. Determination of crustal deformation in India Eurasian plate– quantification of strain accumulation in and across the Himalaya (NSF)
4. Determination of crustal deformation of the Southern Indian peninsula : modelling of its deformation mechanism (DST)
5. Scale interactions in air, land and sea coupled environment and north-east monsoon (ONR (USIF))
6. Hierarchical lattices for non-linear dynamical model 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 dynamics (DOD)
9. Noise tomography (DAIMLER BENZ)
10. Establishment of GPS reference station in WGS-84 at Mumbai, Chennai, Calcutta and Thiruvananthapuram Airports (AAI)

In-house Projects

1. Modelling and simulation of geophysical/industrial complex fluid flows using high performance computing