

PROFILE

- *To act as a catalyst, facilitator and enabler to promote scientific and technological capabilities at different levels. To ensure the islanders adequate health care through curative and preventive measures. To develop an information system, monitoring network and matters relevant to planning and co-ordination on environment and ecology.*

ACTIVITIES

Plastic waste disposal through Plasma Pyrolysis Unit: The Department of Science and Technology, GOI with the technical assistance from the Institute of Plasma Research (IPR), Gandhinagar has installed Plasma Pyrolysis Unit in Andaman and Nicobar Islands for the safe disposal of the plastic and bio-medical wastes.

Telemedicine link: ISRO has setup V-SAT connectivity at G.B.Pant Hospital, Port Blair and JR Hospital Car Nicobar for establishing Telemedicine link between the above two hospitals and the super-specialist hospital at mainland. Further G.B.Pant Hospital has been linked with Shanker Netralaya, Chennai.

Communication backbone: Satellite based communication backbone by creating Video Conferencing facility with two way voice and image transfer capacity was setup at Dr. B.R. Ambedkar Govt. Polytechnic and National Informatics Centre at Secretariat. After earthquake and tsunami of 26th December 2004, both the centers have played a vital role to connect the people of isolated islands with Port Blair at the time when all the telephone connectivity was delinked due to natural disaster.

Space Application Cell: The Space Application Cell has been established at the Department of Environment and Forests, A&N Administration. The SAC has been created with a view to make use of the remote sensing data for the purpose of Administration to prepare and implement developmental projects. After the earthquake and tsunami, the SAC has provided the satellite images of the islands and other related information to the visiting expert groups for studying earthquake and tsunami related factors. The GIS data and satellite imagery generated through the SAC is also being used for making Forest Management Plan.

DETAILS OF STUDIES UNDERTAKEN BY VARIOUS INSTITUTIONS / AGENCIES ON EARTH QUAKE & TSUNAMI

S. No.	Name & address of the Institution/ Agencies	Subject/ Topic	Name of the Scientists	Remarks
1	Geological Survey of India	<ul style="list-style-type: none"> Investigation of affects of the Sumatra-Andaman earthquakes of 26th December 2004 in Andaman and Nicobar Islands 	1. Dr. KN Mathur, Director General	Preliminary report submitted on 18-01-2005
2	Indian Institute of Geomagnetism	<ul style="list-style-type: none"> Measuring Crustal Deformation using Global Positioning System (GPS) Mapping up of the regional conductivity structure using geomagnetic depth sounding Mapping the electrical conductivity using the magneto telluric studies Mapping the deeper conductivity structures using long period magneto telluric studies 	1. Dr. SG Gokarn, Associate Professor	<p>Sponsored by Department of Science and Technology, GOI</p> <p>Preliminary report awaited</p>
3	National Geophysical Research Institute,	<ul style="list-style-type: none"> Monitoring ground deformation in Andaman and Nicobar Islands due to earthquake 	1. Dr. VK Gahlot, Scientist	<p>Sponsored by Department of Science and Technology, GOI</p> <p>Report on GPS measurement in A&N Islands received.</p>
4	Integrated Coastal & Marine Area Management (ICMAM) Project Directorate, Deptt. of Ocean Development, NIOT	<ul style="list-style-type: none"> To study the seismic and submergent impacts of Tsunami in Andaman and Nicobar Islands To collect details of submergence and tidal pattern 	Dr. B.R. Subramaniam, Project Director	<p>Sponsored by Department of Science and Technology, GOI</p> <p>Preliminary report on impact of seawater rise in areas adjoining Port Blair Airport.</p>

RELIEF & REHABILITATION POST TSUNAMI

- Organised various lectures on earthquake, tsunami and its various aspects for the awareness of the students and public.
- Regularly published the details of tremors felt above 5.0 Richter scale in Daily Telegrams for information of public.