

Science & Technology



The **aims and objectives of the Department of Science & Technology** are:

- **Promotion of scientific research activities** for fulfillment of socio-economic needs of the people of the State.
- To identify need-based problems and solutions.
- **Using Remote Sensing Technology** in planning and development of the entire State.
- Popularization and **awareness of science & technology for the benefit of the common people.**

1. **Scientific Research Activities-** Every year, the Department promotes various scientific research activities with the help of the Universities, Colleges and Research Institutes in the State in the field of Public Health, Traditional Medicinal plants, Physical Sciences, Chemical Sciences, Earth Sciences, Disability Management, Low-cost rural technologies, Bio-technology & Tissue Culture, Environment etc.

In 2011-2012, total 49 Scientific Research Projects have been funded to various Universities, Institutes, Medical College and Research Institutes.

2. **Need Based Problems & Solutions-** In 2011-2012 – Rajiv Gandhi National Drinking Water Mission (RGNDWM) phase IV: seven districts of South Bengal, viz. Murshidabad, Nadia, Howrah, Hooghly, North 24 –Parganas, South 24-Parganas & Purba Medinipur.

3. **Remote Sensing & GIS Technology in Planning & Development of the State.**

- (i) Land Bank phase III for six North Bengal Districts of West Bengal as per request of L & LR Deptt.

- (ii) Application of Remote Sensing & GIS in Sericulture Development in nine selected districts of West Bengal, viz., Murshidabad, Malda, Jalpaiguri, Coochbihar, Birbhum, Bankura, Purulia, Purba Medinipur & Paschim Medinipur.
 - (iii) Seismic Hazard Assessment , Microzonation & Evaluation of vulnerability, Risk & Socio Economic Impacts for the City of Kolkata-WBSCST Component: Economic Impacts for Megacity of Kolkata.
 - (iv) Application of High Resolution Data (World view-2) on plot wise vegetables and Crop Discrimination : parts of Chakdah block of Nadia district, parts of Farakka Block of Murshidabad district and parts of Panskura-II block of East Medinipur district.
 - (v) Natural Resources Census : Landuse/Landcover 50K Mapping=2nd Cycle: entire state of West Bengal.
 - (vi) 6.Human Resource Development: Training Courses on Geoinformatics
 - (a) P.G. Diploma-WBUT Affiliated.
 - (b) Certificate Courses.
 - (c) Short term Course.
 - (vii) Space Based Information Support for Decentralized Planning : entire state of West Bengal.

4. **The 19th West Bengal State Science & Technology Congress was held on 1st & 2nd March, 2012** with the active assistance of Saha Institute of Nuclear Physics , Salt Lake , at the said Institute's venue, which was attended by many dignitaries and a large number

of common people. The aim of the Congress is to encourage study and documentation of scientific research in Bengali language and to disseminate scientific ideas to common people.

Besides this, fund has been channelized to a number of NGO's, Colleges, & Universities for holding Seminars/Workshops/ symposiums/exhibition on Science & Technology related topics for the benefit of common people both in the urban & rural areas of West Bengal.

Major Policy decisions/reforms made since June, 2011

- o The **West Bengal State Council of Science &**

Technology, an autonomous body under administrative jurisdiction of Department of Science & Technology, Govt. of West Bengal, has been **re-constituted** with effect from 02.04.2012 for a period of three years for more effective functioning and better implementation of various Scientific Projects.

- o A **new initiative** has been taken up by the Deptt. for setting up of **district community science centres** in each district of West Bengal for more direct approach to the rural masses for spreading scientific awareness, scientific educational and training programmes and attempt to eliminate superstition and prejudices.

