

Deptt of Science, Technology and Environment

The vision of the Department is to provide science & technology inputs for development of socio economic scenario and quality of life of the people, especially the marginalized section of the society. The major development Programmes of the Department are Remote Sensing & GIS, Ecology & Environment, Climate change programmes, Science Communication, Promotion of Biotechnology, Setting up of Vigyan Gram, Regional Science Park etc.

2018-19

REMOTE SENSING & GIS

Sl. No	Name of the Project	Status
1	Site Suitability Analysis under Coordinated Horticultural Assessment and Management using Geo-Informatics (CHAMAN)	Identified potential site under current/ abandoned Jhum cultivation areas & cultivable waste land scrub for banana cultivation in west Districts using Geo-informatics
2	Identification of the aquifer location based on HGM Maps at field level for Sinking of Deep Tube Well in Tripura.	As per requisition of PWD(DWS)identification & interpretation of HGM Maps was done to locate the confirm DTW Site Hydro geological investigation was done to identify the Soil/rock strata for optimal utilization of HGM Maps
3	Applications of GIS & Remote Sensing for Sericulture Development	Identified suitable area for cultivation of Mulberry Plant. Phase II Completed

ECOLOGY AND ENVIRONMENT

4.	Air, Water & Soil Quality monitoring	<p>Conducted Ambient Air, Water & Soil Quality monitoring of Debendra Chandra Nagar MSW Landfill Site in accordance with Schedule-I and Schedule-II of Solid Waste Management Rules, 2016.</p> <p>In addition Conducted Ambient Air Quality monitoring of 16 stations, Water Quality monitoring i.e of 192 stations & Noise Quality monitoring of 208 stations</p>
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5	Noise monitoring	In compliance with Hon'ble High Court conducted noise monitoring in all Urban & Semi-Urban Areas and sent consolidated report along with recommendation to the various stakeholders for effective implementation.
6	Air Quality Monitoring	Study of pre-monsoon and post monsoon ambient air quality monitoring of Maharani Brick Industries Cluster has been done through South Zonal Office & Laboratory, Udaipur.
7	Water Quality Monitoring	Water Quality Monitoring of Dhalai River has been done through Central Zonal Office & Laboratory, Ambassa [Study area covers downstream of Ambassa, Manik Bhader, Halahali & Kamalpur]
8	Awareness Generation Programme	Successfully organized Awareness Generation Programme on Plastic Waste Management and action oriented activities involving 1050 Eco-club Schools

PROMOTION OF BIOTECHNOLOGY

9	Establishment of Bio-Village at Brajendranagar under Pandabpur G.P, Dukli Block	As per provision of the project various component such as Biotech Kit, Electrical Gadgets, Mushroom Spawn, Bio gas unit etc distributed among 77 nos of beneficiaries comprising of 40 number of families
10	Distribution of Biotech kit	To reduce the use of chemical inputs in agriculture & produce safer food 50 nos of Biotech kit distributed among the small & marginal farmers of Ward No 8 & 10 under AMC
11	Setting up of College Biotech club	To accelerate the intellectual curiosity & scientific mind set among the students 01 no College Biotech Club has been set up at Swami Vivekananda College, Mohanpur.

SCIENCE PROMOTION

12	Workshop on Bamboo and Bamboo Based Composites for Engineering Applications	Organized one day workshop on 'Bamboo and Bamboo Based Composites for Engineering Applications' in collaboration with CSIR-Advanced Materials and Processes Research Institute, Bhopal at Agartala. The main objective of the workshop was to make aware about the different applications of bamboo composites and the manufacturing process of bamboo wood among the participants. In total 60
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		<p>participants attended the workshop including Entrepreneurs & Industrial Partners in general, related with Bamboo industry in particular. Officials of Forest Department, Industries Department associated with Bamboo Sector and also from Bamboo Mission were also present.</p>
SCIENCE COMMUNICATION		
13	Sci-Connect Programme	<p>“Sci-Connect” is a program devised by the Vigyan Prasar with a view to sensitize the young children of upper primary and secondary level towards the science in day to day life.</p> <p>Sci-Connect 2018 project for all the NE states was launched at Agartala where Senior Scientists of Govt. of India and Resource Persons from all over the country participated along with officials of S & T Councils of NE states</p> <p>Final of Sci-Connect 2018 was organized at Agartala. Top 3(three) students of 8(eight) NE States (in total 24 students) participated in the final of Sci-Connect 2018</p>
14	Inter School Science Drama Competition	<p>This event was organized at District (8 districts) and State level (1) among the School students of the State. More than 100 school science dramas have been performed throughout the State. Best team participated in the NE Zonal Competition on October 26, 2018 at Guwahati and got the 2nd position there and after that they participated in National Competition at New Delhi</p>
15	Children Science Congress	<p>In association with Tripura Science Forum & School Education Deptt. organized this event in our state at Sub-division, District and State level. The best team of state level got chance to participate in National Level Children Science Congress.</p>
16	Junior Mathematical Olympiad (JMO)	<p>Organized Junior Mathematical Olympiad (JMO) for the students of class VIII jointly with Tripura Mathematical Society (TMS) every year since 2007. This year JMO organized on November 11, 2018 throughout the state. More than 4,000 students participated in this event this year.</p>

17	Memorial Lecture Programme on Prof. S. N. Bose	Memorial Lecture Programmes on “Life & Works of Prof. S.N. Bose” organized at Rabindra Satabarshiki Bhawan, Agartala and at Bhagini Nibedita Girls’ H. S. School, Udaipur on January 17, 2019 for the benefits of the students of our state. Dr. Abhijit Chakraborty of Burdwan University was present as keynote speaker. More than 1000 students participated in these two programmes.
18	National Mathematics Day	The National Mathematics Day-2018 was observed on December 22, 2018 at Netaji Subhash Vidyaniketan, Agartala jointly with Tripura Mathematical Society to commemorate the life & works of Mathematics genius Srinivasalyengar Ramanujan. National Mathematics Day also observed at all the Subdivisions also. organised a seminar “Mathematics for Life”, on the occasion National Mathematics Day in collaboration with MBB College on January 18, 2019
19	Innovation Hub	Setting up of Innovation Hub completed at Sukanta Academy, Agartala. It provides facilities to nurture new ideas and help to develop inquisitive perspective in youths of today. Facilities at the Innovation hubs <ul style="list-style-type: none"> ➤ Discovery Hall ➤ Innovation Resource Centre and Hall of Fame ➤ Idea Lab <ul style="list-style-type: none"> • Thod Phod Jod (Break & Remake) Corner • Kabad Se Jugad (Build from scraps) • Idea Box ➤ Design Studio