Technology for Biosensing system for the detection of Endocrine Disrupting Chemicals in aquatic ecosystems

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In news– The Secretary, Ministry of Electronics & IT(MeitY) has launched the Technology for Biosensing system for the detection of Endocrine Disrupting Chemicals in aquatic ecosystems (MEAN) developed under MeitY supported projects.

About the technology-

- The Centre for Development of Advanced Computing (C-DAC), Kolkata in collaboration with ICAR-CIFRI, Baraackpore under the 'National programme on Electronics and ICT applications in Agriculture and Environment (AgriEnIcs)' has developed a biosensing system for detection of Endocrine Disrupting Chemicals (EDC) in aquatic ecosystems, for qualitative and quantative analysis of EDC content in water bodies.
- **The Biosensing based EDC detection system (MEAN), was also transferred to the selected industry Arogyam Medisoft Solution Private Limited** for further commercialization of the same technology for deployment at different locations of North-East.
- The transfer of technology (ToT) was done at MeitY, New Delhi.

Technology for Air Quality Monitoring System (AI-AQMS v1.0)-

- The Secretary, MeitY, has also launched the Technology for Air Quality Monitoring System (AI-AQMS v1.0) developed under MeitY supported projects.

- The Centre for Development of Advanced Computing (C-DAC), Kolkata in collaboration with TeXMIN, ISM, Dhanbad **under the 'National programme on Electronics and ICT applications in Agriculture and Environment (AgriEnIcs)'** has developed a outdoor **air quality monitoring station to monitor environmental pollutants** which includes parameters like PM 1.0, PM 2.5, PM 10.0, SO2, NO2, CO, O2, ambient temperature, relative humidity etc., for continuous air quality analysis of the environment.
- The AI-AQMS v1.0, was also transferred to the selected industry J.M. EnviroLab Private Limited for further commercialization of the same technology for deployment at different mine and cement industries.