

## List of New projects Sanctioned in 2013-14: Water Technology Initiative

S. No	File No./ Date of sanction	Title	PI Name & Institution Address	Duration	Total Cost (Rs.)
1	DST/TM/WTI/2K13/42 30.04.2013	Mapping of Seawater Intruded Zones (with special reference to chloride) in coastal aquifers of digha-shankarpur beach, purba Medinipur Dist. West Bengal.	Dr. Tapas Acharya, Hooghly Mohsin College, Hooghly, West Bengal.	18 months	634000
2	DST/TM/WTI/2K12/43 17.05.2013	Developing Computer based Model for Impact Assessment of Watershed Development and Building Capacity in Tamil Nadu.	Dr. D Suresh Kumar, Tamil Nadu Agricultural University.	24 months	1410800
3	DST/TM/WTI/2K12/67 05.06.2013	High performance multifunctional modified guar gum for wastewater and industrial effluent treatment.	Dr. Sagar Pal, Indian School of Mines, Dhanbad	36 months	2494800
4	DST/TM/WTI/2K12/64 05.06.2013	Removal of Herbicides from Water by Advanced Electro-oxidation Processes.	Dr. S. Vasudevan, CSIR-Central Electrochemical Research Institute, Karaikudi.	36 months	1941200
5	DST/TM/WTI/2K12/76 06.06.2013	Development and Evaluation of Automatic Timer Based Variable Speed Device for Sprinkler System.	Dr. Sushmita Mukherjee Dadhich, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Jammu and Kashmir	36 months	1785200

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6	DST/TM/WTI/2K12/78 11.06.2013	Development of macrocyclic ligands and dendritic wedges intercalated layered double hydroxide(LDH)-based water filters for affordable potable water	Dr. V Alexander, Loyola College, Chennai.	36 months	2975000
7	DST/TM/WTI/2K12/68 11.06.2023	Study to assess the performance of bio sand filter (BSF) and available technologies for the removal of iron, suspended impurities including pathogens from drinking water in Khordha District of Odisha	Dr. (Mrs.) Lopa Sarkar, Centurion University of Technology & Management, Jatni, Dist-Khordha, Odisha,	24 months	950000
8	DST/TM/WTI/2K12/81 14.06.2013	Ground water modeling for hydro geological characterization of Hazardous substance release sites- A case study of Pydibhimavaram Industrial area, Srikakulam, A.P	Dr.G.Venkata Rao, GMR Institute of Technology, Rajam, A.P.	36 months	2044370
9	DST/TM/WTI/2K12/72 19.06.2013	Sustainable decentralized waste management in urban residential areas	Dr. Ligy Philip, Indian Institute of Technology Madras, Chennai	36 months	4438800
10	DST/TM/WTI/2K12/65 25.06.2013	Development of integrated membrane process for wastewater treatment and reuse	Dr. N. Balasubramanian, Anna University, Chennai.	36 months	2698800

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11	DST/TM/WTI/2K13/102 19.09.2013	Scientific Evaluation of Water Purification System in the State of Sikkim (Phase-II: Selection, Installation and Assessment)	Dr. DT Bhutia, Sikkim State Council of Science & Technology, Gangtok	24 months	7973200
12	DST/TM/WTI/2K12/47 26.09.2013	Development of Precise and Real Time Simulation Watershed Modeling System Using Advanced Geospatial and Soft Computing Methods	Dr. Venkata Reddy Keesara, NIT, Warangal	36 months	1553600
13	DST/TM/WTI/2K12/61 26.09.2013	Highly efficient and cost-effective preparation of nanoporous carbon by microwave pyrolysis water purification	Dr. Ashok Kumar S.K., VIT University, Vellore	12 months	648800
14	DST/TM/WTI/2K13/90 26.09.2013	Treatment of reject water from defluoridation units that are based on reverse osmosis units	Prof. K Kesava Rao, IISc, Bangalore.	24 months	1781600
15	DST/TM/WTI/2K13/116 27.09.2013	Development of Novel Artificial Naked Eye Fluoride ion Receptors	Dr. Ragini Gupta, MNIT, Jaipur	36 months	2977200
16	DST/TM/WTI/2K13/110 27.09.2013	Development of column adsorption media with enhanced fluoride removal capacity by mixed metal oxyhydroxide-bio polymer composite beads	Dr. M. G. Sujana, CSIR-IMMT, Bhubaneswar	36 months	1447200
17	DST/TM/WTI/2K13/92 26.09.2013	Development of multi-pollutant removing, water distillation and purification system using solar energy	Dr. Kavita Gandhi, CSIR-NEERI, Nagpur.	36 months	1580000

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18	DST/TM/WTI/2K13/96 26.09.2013	Development of Dielectric Barrier Discharge(DBD) based plasma system for portable water purification	Dr. Ram Prakash, CSIR-CEERI, Pilani.	36 months	4647200
19	DST/TM/WTI/2K13/111 04.09.2013	Utilization of Plant Bioresource for biosorptive removal of dyes from water	Dr. Arunima Sarma, Morigaon College, Assam.	36 months	1233600
20	DST/TM/WTI/2k13/94 04.01.2014	Low Cost Technology for Purification of Arsenic and Microbes Contaminated Water Using Nanotechnology	Dr. (Mrs) Vijaya Agarwala, IIT Roorkee and National Institute of Hyderabad, Roorkee.	24 months	4663875
21	DST/TM/WTI/2k13/85 19.02.2014	Water poverty in Ne region and its potential mitigation through agricultural water management for sustainable livelihood improvement.	Dr. Jagabandhu Panda, Central Agricultural University, Gangtok.	36 months	4006380