

**Water Technology Initiative Programme (WTI)
Sanctioned Projects during year 2012- 2013**

S.No	File No./ Date of sanction	Title	PI Name & Institution Address	Duration	Total Cost (Rs.)
1	DST/TM/WTI/2k11/334 16-05-2012	Silver nanoparticle-based point of use test for Cr (III) determination in tannery contaminated waters”	Dr. Amitava Mukherjee, VIT University,Vellore, Tamil Nadu.	18 months	1456800
2	DST/TM/WTI/2K11/299 22-05-2012	Design consideration and field performance validationof high arsenic removal water filter packed with lab-bech develoed materials.	Dr.S.Chakrabarti, Presidency University, Kolkata, West Bengal.	24 months	1946600
3	DST/TM/WTI/2K11/355 23-05-2012	Ion-Specific Resins and Membrane based systems/process to bring the level of Arsenic to WHO limits in drinking water.	Dr. K.M.Popat, Central Salt &Marine Chemicals Research Institute, Bhavnagar, Gujarat.	36 months	3706400
4	DST/TM/WTI/2K12/354 23-05-2012	Scientific Understanding of Defluoridation Employing Indigenous Resin and Comparison with Activated Alumina	Dr. Rajendra Singh Thakur, Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat.	36 months	2256400
5	DST/TM/WTI/2K11/346 23-05-2012	Development of Low Cost Magnetic and Nanmagnetic Biochars for water Defluoridation	Dr. Dinesh Mohan, Jawaharlal Nehru University, New Delhi.	24 months	2880000
6	DST/TM/WTI/2K10/265 25-05-2012	Advanced molecular methods for detectionand identification	Dr. Pindi Pawan Kumar, Palamuru University,	36 months	2981000

		of bacterial contaminants in potable water purification and preention	Bandameedipalli, Mahabubnagar, Andhra Pradesh.		
7	DST/TM/WTI/2K11/301 28-05-2012	Development of Nanoparticles related water Quality Framework for Protecting Source Drinking Water	Prof. Arun Kumar, Indian Institute of Technology Delhi, New Delhi.	12 months	992600
8	DST/TM/WTI/2K11/329 31-05-2012	A Pilot scale study and Installation of a Pilot for treatment of wastewater Polluting River Ganga in Varanasi city using a Novel Technology	Dr. R.S. Dubey, Gramya Sewa Samiti, Varanasi, Uttar Pradesh.	12 months	646000
9	DST/TM/WTI/2K12/357 08-06-2012	Installation of Rainwater Harvesting System in Nagaland	Dr. Zavei Hiese, Nagaland Science & Technology Council, Kohima, Nagaland	24 months	14706200
10	DST/TM/WTI/2K11/328 11-06-2012	E-Tongue Based Detection And Estimation Of Arsenic In Contaminated Water	Dr. Madhusree Kundu, National Institute of Technology , Rourkela, Orissa	36 months	2789400
11	DST/TM/WTI/2K11/274 20-06-2012	Development and Scaled up Synthesis of Anionic, Cationic and Nanionic Flocculants based on Amphoteric Amylopectin for Mineral Industry Effluents & Municipal Waste Water Treatment.	Dr. S. Krishnamoorthi, Banaras Hindu University, Varanasi, Uttar Pradesh.	18 months	1933200
12	DST/TM/WTI/2K11/331 03-07-2012	Design and Development of Buoyancy driven Distillation Unit Powered by Solar Combi-collector.	Dr. Ing. Varghese Panthaloorkaram, Rajagiri School of engineering and technology, Kochi, Kerala	36 months	3424178

13	DST/TM/WTI/2K11/350 09-07-2012	Laboratory investigation and field application towards the effective defluoridation of water using appropriately tailored sorbents	Prof. N. Rajesh, Birla Institute of Technology and Science, Pilani, Rajasthan.	36 months	2667480
14	DST/TM/WTI/2K11/347 16-07-2012	Sustainable Treatment of wastewater using Microalgae and Bio-coagulant for bio-crude production	Dr. S.N. Naik, Indian Institute of Technology Delhi, New Delhi.	36months	3067600
15	DST/TM/WTI/2K12/352 24-07-2012	Development of effective adsorbents from waste rubber tire for waste water treatment	Dr. V.K.Gupta, Indian Institute of Technology, Roorkee, Uttarakhand.	36 months	2300000
16	DST/TM/WTI/2K11/290 24-07-2012	Rainwater harvesting at Hmunpui	Dr. Vanlalzara, Mizoram Council of Science Technology & Environment, Mizoram	36 months	20363000
17	DST/WTI/2K12/18 13-08-2012	Management Plan for sustainable Development of Unidentified Heterogeneous Aquifer System of Ghaziabad Tehsil, Ghaziabad District	Dr. D.K. Chadha, Global Hydrogeological Solutions, New Delhi.	36 months	4873000
18	DST/TM/WTI/2K12/15 23-08-2012	Ensuring safe drinking water to the tribal households in Koraput region of Odisha	Shri Sajuanendra Swain, M S Swaminathan Research Foundation, Jeypore, Odisha	36 months	8509200
19	DST/TM/WTI/2K11/323 30-07-2012	Rainwater Base Community Managed Sustainable Solution for Selected Water Scarce Villages of District Mewat (Haryana)	Shri Lalit Mohan Sharma, S M Sehgal Foundation, Gurgaon, Haryana	36 months	18625800
20	WTI/WAR-W/04/2011 (PPPL) 10-09-2012	Financial assistance for establishing water plant in Mudshi, Halodhar, Mota	Phoenix Projects Pvt. Ltd. Rajkot, Gujarat.	36 months	58896896

		Kanthariya and Limbada, Sabarkantha Dist, Gujarat			
21	DST/TM/WTI/2K12/356 11-09-2012	Ground improvement of dune sand fields for water harvesting and moisture retention	Dr. Abhay Kumar S.Wayal, Veermata Jijabai Technological Institute, Mumbai, Maharashtra.	24 months	2140000
22	DST/WTI/2K12/14 19-09-2012	Novel Low Cost Adsorbent materials for Defluoridaton of drinking water	Dr. P. Padmaja, The M S University of Baroda, Vadodara, Gujarat.	24 months	1313200
23	DST/WTI/2K12/08 08-10-2012	Development of amine based polymer adsorbent for defluoridization of drinking water	Dr. Potsangbam Albino Kumar, Delhi Technological University, Delhi	36 months	1971600
24	DST/TM/WTI/2k12/32 19-11-2012	Innovation demonstration and training: Development of a water positive facility	Dr. Sunita Narain, Centre for Sciences and Environment, New Delhi.	24 months	22700000
25	DST/TM/WT/2k12/34 19-11-2012	Impact of industrial growth on water and soil quality and its health risk assessment with special reference to heavy metal contamination	Prof. A.K.Chopra, Gurukula Kangri Vishwavidyala, Haridwar, Uttarakhand.	24 months	1981800
26	DST/WTI/2k12/35 20-11-2012	Assessment and Strategies for sustainable Management of water Resources using remote sensing & geographic Information systems	Dr. M Ramesh, GITAM University, Visakhapatnam, Andhra Pradesh.	36 months	2416400
27	DST/TM/WTI2K12/36 22-11-2012	Water quality and its role in endemic kidney disease in coastal srikakulam A synergic perception for assessment and remedies	Dr. B Sesikeran, Andhra Pradesh Akademi of Sciences, Hyderabad and Prof. NVBSS Prasad, Association of Hydrologists of India, Visakhapatnam, Andhra	36 months	18287000

			Pradesh.		
28	DST/WTI/2K12/01 11-12-2012	Prediction of Lean Season Discharge of Springs for Efficiently Managing it to Fulfill Water Needs of the Mountain Inhabitants.	Dr. A.K. Vashisht, Central Agricultural University, Gangtok, Sikkim.	48 months	1730700
29	DST/TM/WTI/2K12/49 15-02-2013	Characterization and assessment of conventional water treatment facilities for pharmaceuticals and personal care products(PPCPs)	Dr. (Mrs.)Neeta Thacker, CSIR-National Environmental Engineering Research Institute, Nagpur, Maharashtra.	12 months	1358800
30	DST/WTI/2K12/37 19-02-2013	Techno Economic Feasibility of gravity-fed Drip Irrigation System in Hilly regions of Meghalaya	Dr. Lala Iswari Prasad Ray, College of P.G.Studies, Central Agricultural University, Barapani, Meghalaya.	36 months	2856400