

**Water Technology Initiative Programme (WTI)
Sanctioned Projects during year 2011- 2012**

S.No	Sanction No & Date	Title	PI's Name & Institution Address	Duration	Total Cost(Rs.)
1.	DST/WAR-W/SWI/ 03/ 2010 27-04-2011	“SWIRIS Sea-Water Intrusion research investigations to develop remote based land information systems for coastal aquifers adjoining Marakkannam area in the east coast of TN and Pondicherry”	Dr. S. Kumaravel, Annamalai University, Annamalai Nagar, Tamil Nadu.	36 months	2356800
2.	DST/WAR/SWI/006/2010 25-05-2011	“Integrated Geophysical, Hydro chemical and Isotopic techniques to identify sources of ground water salinisation in coastal aquifers of Cuddalore District, Tamil	Dr. S. Chidambaram, Annamalai University, Annamalai Nagar, Tamil Nadu.	36 months	2600000
3.	DST/TM/WTI/2k10/244 01-06-2011	Development of ion-exchange membranes and mixed bed resin based electro-deionization process for fluoride removal from groundwater	Dr. Vaibhav Kulshrestha, Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat.	36 Months	2004400
4.	DST/TM/WTI/2k10/177 08-06-2011	Development of Grey-Water Treatment Unit for Residential/ Commercial –Low grade Water needs	Dr. Sanjeen Bhasin, International Institute of Waste Management, Bhopal, Madhya Pradesh.	24 Months	1000000
5.	DST/TM/WTI/2k10/224 30-06-2011	Rainwater Harvesting Resource Centre, Utthan, Allahabad, Uttar Pradesh	Mr.A.R. Shivakumar, Karnataka State Council for Science and Technology, Bangalore, Karnataka.	18 Months	1620063
6.	DST/TM/WTI/2k10/232	Assessment of Arsenic and	Dr. Shiva Kumar,	36 Months	1500000

	04-07-2011	other contamination in potable Water in cities of Mizoram	Mizoram University, Aizawl, Mizoram.		
7.	DST/TM/WTI/2k10/228 04-07-2011	Strategy for increasing per capita availability of water for Gingee town, Tamil nadu	Mr. K. Santhanam, Sathyabama University, Chennai, Tamil Nadu.	24 Months	1519200
8.	DST/TM/WTI/2k10/196 06-07-2011	Scientific Evaluation of Water purification systems in state of Madhya Pradesh (Phase- II: selection, installation & assessment)	Shri Tasneem Habib, Madhya Pradesh Council of Science and Technology, Bhopal, Madhya Pradesh.	18 Months	6213000
9.	DST/TM/WTI/2k9/163 15-07-2011	Aakash Ganga-A Social Enterprise -Model for RWH and Agriculture of low water demanding economically important plant	Prof. Rajiv Gupta, Birla Institute of Technology and Science, Pilani, Rajasthan.	24 Months	5974000
10.	DST/TM/WTI/2k10/230 28-07-2011	Sustainable water quality management for Greater Visakhapatnam Municipal Corporation (GVMC) area, Andhra Pradesh	Prof. Ch. Ramakrishna, GITAM University, Visakhapatnam, Andhra Pradesh.	36 Months	2372080
11.	DST/TM/WTI/2K10/201 01-08-2011	Scientific Evaluation of Water purification systems in state of Tripura (Phase- II: selection, installation & assessment)	Dr. Supriya Majumder, Tripura State Council for Science & Technology, Agartala, Tripura.	18 Months	8007000
12.	DST/TM/WTI/2k10/192 08-08-2011	Scientific Evaluation of Water purification systems in state of Arunachal Pradesh (Phase- II: selection, installation & assessment)	Er. T. Ronya, Arunachal Pradesh State Council for Science & Technology, Itanagar, Arunachal Pradesh.	18 Months	9018000
13.	DST/TM/WTI/2k9/174	Development of ceramic	Mr. Swachchha Majumdar,	12 Months	1500000

	25-08-2011	membrane based contactor for enhanced arsenic and iron oxidation for potential application in arsenic and iron removal plants	Central Glass & Ceramic Research Institute, Kolkata, West Bengal.		
14.	DST/TM/WTI/2k10/266 05-09-2011	Development of plant prototype for removal of ammonia, arsenic and odorous compounds from water/wastewater by ozone microbubbles	Dr. Pallab Ghosh, Indian Institute of Technology, Guwahati, Assam.	18 Months	1543566
15.	DST/TM/WTI/2k10/220 09-09-2011	Bacteria Free Water for Drinking by Silver Treatment (BFW DST)	Mr. A.R. Shivakumar, Karnataka State Council for Science and Technology, Bangalore, Karnataka.	24 Months	506800
16.	DST/TM/WTI/2k10/240 21-09-2011	Formulation and validation of arsenic removal studies from contaminated drinking water	Dr. R.K. Sharma, Durga Sewa Sadan, Bulandshahr, Uttar Pradesh.	18 Months	799700
17.	WTI/WAR-W/09/2011 29-09-2011	“Establishment of Water Plant Bichhiwara Cluster, Dungarpur Dist Rajasthan under WAR for Water Programme”	Shri Manoj Gaur, Rajasthan Bal Kalyan Samiti, Dungarpur, Rajasthan..	36 months	39701571
18.	DST/TM/WTI/2K10/271 30-09-2011	GIS based characterization of ground water in Shekhawati region of Rajasthan	Dr. Anupam Singhal, Birla Institute of Technology and Science, Pilani, Rajasthan	36 Months	1800000
19.	DST/TM/WTI/2K10/272 19-102011	Community pond based safe drinking water system (BARC UF Technology)	Dr. L. Dinachandra Singh, Manipur Science & Technology Council, Imphal, Manipur..	24 Months	2595692
20.	WTI/WAR-W/08/2011 (VHAT) 19-10-2011	“Establishment of Water Plant in Rupenchari Cluster, South Tripura Dist, Tripura under WAR for Water Prog.”	Dr. Sreelekha Dey Voluntary Health Association of Tripura, Agartala, Tripura..	36 months	15216800
21.	DST/TM/WTI/2K10/221	Social technological solutions	Dr. N. Shantha Mohan,	24 Months	9833200

	02-11-2011	for major water challenges facing India	National Institute of Advanced Studies, Bangalore, Karanataka.		
22.	WTI/WAR-W/10/2011 14-11-2011	“Creating awareness regarding water management at the household level using IEC and dramatization among the women in 4 villages Haldohar, Limda, Mota Kanthariya and Mudshi, Sabarkantha distt. Gujarat. Pandya	Dr.(Mrs.) Rameshwari, M S University, Baroda, Vadodara, Gujarat.	24 months	1354600
23.	WTI/WAR-W/13/2011 14-11-2011	Distribution, cultivation and conservation of Salicornia Brachiata : A potential Halophyte for bio fuels”.	Dr. G.M. Narasimha Rao, Andhra University, Vishakapatnam, Andhra Pradesh.	24 months	1370300
24.	WTI/WAR-W/15/2011 14-11-2011	Integrated Farming System-effective water usage and augmentation of ground water through coastal farm ponds establishment.	Dr. A. Gopalakrishnan, Annamalai University, Parangipettai, Tamil Nadu.	24 months	1631700
25.	WTI/WAR-W/19/2011 16-11-2011	Seawater farming as the adaptive capacity for coastal community, Chennai	Dr. A. Sivakumar, M.S. Swaminathan Research Foundation, Chidambaram, Tamil Nadu..	36 months	5325800
26.	DST/TM/WTI/2K10/258 17-11-2011	Development of low cost electrochemical nanobiosensor for detection of Enterobacteriaceae in drinking water	Dr. K.P Singh, G.B.Pant University of Agriculture & Technology, Pantnagar, Uttarakhand.	18 Months	4317000
27.	WTI/WAR-W/18/2011	Development of ground water	Prof. A.K. Sinha, University of	36 months	3005200

	28-11-2011	information system and ground water resource augmentation scheme for sustainable life and livelihood in urban and suburban areas of Jaipur, Rajasthan.	Rajasthan, Jaipur, Rajasthan.		
28.	DST/TM/WTI/2K10/260 13-12-2011	Assessing the status of Kalyanis (Village ponds) and measures for rejuvenation in different agro-climatic zones of Karnataka State using geo-spatial technologies	Dr. S.G. Sreekanteswara Swamy, Karnataka State Council for Science & Technology, Bangalore, Karnataka.	18 Months	1566800
29.	DST/TM/WTI/2k11/280 28-12-2011	Complete removal of recalcitrant synthetic dyes from textile wash liquor using organic solvents in multistage centrifugal extractors	Dr. S. Ramachandran, Kumaraguru College of Technology, Coimbatore, Tamil Nadu.	24 Months	2494000
30.	DST/TM/WTI/2K11/283 18-01-2012	Development of cost effective technology for recharging in over-exploited groundwater resources in rural areas in West Bengal	Prof. Dr. Asis Mazumdar, Jadavpur University, Kolkata, West Bengal.	24 Months	3952400
31.	DST/TM/WTI/2k11/286 19-01-2012	Development of carbon nanomaterials based water filters for the removal of heavy metal ions and Pathogens	Dr. A. Nirmala Grace, VIT University, Vellore, Tamil Nadu.	18 Months	1272600
32.	WTI/WAR-W/20/2011 19-01-2012	Proposal for reaping rain and restoring rural ponds in Kainakary Panchayat of Kuttanad region of Kerala.	Dr. N. Anil Kumar , M.S Swaminathan Research Foundation, Wayanad, Kerala.	36 months	10097000
33.	DST/TM/WTI/2K11/295	Field trial of low cost laterite	Dr. Sirshendu De,	18 Months	1999240

	31-01-2012	based arsenic filter: Domestic and community scale	Indian Institute Technology, Kharagpur, West Bengal.		
34.	DST/TM/WTI/2k11/275 02-02-2012	Development of high rate multistage reversible flow bioreactor (MRFB) for simultaneous removal of COD and ammonia from wastewaters	Dr. P.C. Sabumon, VIT University, Chennai, Tamil Nadu.	12 Months	1800000
35.	WTI/WAR-W/05/2011 (SVS) 07-02-2012	Establishment of Water Plants in Pacheri Kalan & Pacheri Kund, Rajasthan	Shri Niranjana Singh Sanagra Vikas Sansthan, Jhunjhunu, Rajasthan	36 months	20161950
36.	WTI/WAR-W/06/2011 (SRKPS) 07-02-2012	Establishment of Water Plants in Beenchiri cluster, Rajasthan	Shri Rajan Choudhry, Sikshit Rojgar Kendra Prabhandak Samiti (SRKPS), Jhunjhunu, Rajasthan.	36 months	11591200
37.	DST/TM/WTI/2K11/293 09-02-2012	Development of arsenic adsorbing polymeric beads and their performance study in packed bed columns	Prof. Priyabrata Sarkar, University of Calcutta, Kolkata, West Bengal..	18 Months	1469760
38.	DST/TM/WTI/2K11/279 07-03-2012	Application of Tamarindus indica Seeds for Defluoridation of Ground Water of certain villages of Kheralu Taluka,district Mehsana	Dr. Punita S Parikh, The M.S.University of Baroda, Vadodara, Rajasthan.	36 Months	1000000
39.	DST/TM/WTI/2K11/213 19-03-2012	Implementation related issues of Capacitive Deionization process for decontamination of ground water	Prof. Michael Noel, Karunya University, Coimbatore, Tamil Nadu.	24 Months	1496160
40.	WTI/WAR-W/30/2012 20-03-2012	Proposal on Groundwater system analysis, sustainable development plan and pilot project on in situ purification Technology for water supply	Dr. D K Chadha, Global Hydrogeological Solutions, New Delhi	36 months	5968800

41.	WTI/WAR- W/07/2011(SDI) 22-03-2012	Establishment of water treatment of supply facility at Kasumbi, Ladnau block, Nagaur Distt, Rajasthan.	Er. Sameer Gaumat, Self Development Institute, Jaipur, Rajasthan.	36 months	21065500
42.	DST/TM/WTI/2K11/298 27-03-2012	Quick Re-generation of activated alumina	Dr. Vinay Kumar Chhabra, Health Care Sansthan, Jaipur, Rajasthan.	12 Months	1470600