

**Water Technology Initiative Programme (WTI )  
Sanctioned Projects during year 2010- 2011**

<b>S. No</b>	<b>Sanction No &amp; Date</b>	<b>Title</b>	<b>PI's Name &amp; Institution Address</b>	<b>Duration</b>	<b>Total Cost (Rs.)</b>
1	DST/WTI/2k9/134 19-04-2010	Development of Clay-Based Biosorbents for purification of water contaminated with arsenic, iron and fluoride	Dr. Krishna Gopal Bhattacharyya, Dept. of Chemistry, Gauhati University, Guwahati, Assam.	12 months	500000
2	DST/WTI/2k9/136 19-04-2010	Evaluation of Comparative Performance of available Technologies for removal of Pathogenic organisms and Turbidity from Drinking Water	Dr. VRamachandhran Indian Institute of Environment Management, Navi Mumbai., Maharashtra.	24 Months	1193280
3	DST/WTI/2k9/141 19-05-2010	Continuous column operation for the removal of Pb (II) from industrial waste water	Dr. S.K. Das, Dept. of Chemical Engg, University of Calcutta, Kolkata, West Bengal.	36 Months	1820500
4	DST/WTI/2k8/124 19-05-2010	Synthesis and Characterisation of Novel Macro-Reticular Ion Exchange Resins for Water Treatment	Dr. N. Kannan, Dept. of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu.	18 Months	800000
5	DST/WTI/2k9/144 07-06-2010	Electrocoagulation in Continuous-Flow Systems for removal of Drinking Water Contaminants	Dr. Sudha Goel, Dept. of Civil Engineering, IIT, Kharagpur, West Bengal.	36 Months	3590000
6	DST/WTI/2k9/162 06-07-2010	Economically and Environmentally Safe Drinking Water to the community through Jal-Tara Water Filter	Mr. Manoj Kumar, Development Alternatives, New Delhi.	24 Months	892000

7	DST/WTI/2k9/142 09-07-2010	Evaluation of candle filters available in commercial market	Dr. Mausumi Mukhopadhyay, Chemical Engg. Dept., S.V. National Institute of Technology, Surat, Gujarat.	24 Months	813600
8	DST/TDT/WTI/2k10/152 12-07-2010	Development of Cost Effective Technology for Recharging in Overexploited Groundwater Resources in Rural Areas in West Bengal	Prof. Asis Mazumdar, School of Water Resources Engineering, Jadavpur University, Kolkata, West Bengal.	6 Months	105000
9	DST/TDT/WTI/2k10/153 12-07-2010	Rain and Roof Water Harvesting and Conservation Project for Rural Institutions in the State of Goa	Dr. Joseph Rauto De' Souza, Goa State Council for S & T, Bardez, Goa.	6Months	723000
10	DST/WTI/2k9/135 19-07-2010	A Comprehensive study of Presence of Arsenic in the underground Drinking Water in Punjab	Dr. Umesh K. Garg, Dept of Applied Science, Adesh Institute of Engg & Technology, Faridkot, Punjab.	6 Months	150000
11	DST/WTI/2k9/157 22-07-2010	Mapping of water bodies in National Capital Region (NCR) of Delhi	Dr. S.N. Naik, CRDT, IIT, New Delhi.	24 Months	3426000
12	DST/WTI/2K9/167 22-07-2010	Integrated approach for Augmenting Ground Water in Chirawa Block of Jhunjhunu District Rajasthan	Shri Nand Kishore Mishra, Ramkrishna Jaidayal Dalmia Seva Sansthan, Jhunjhunu, Rajasthan.	36 Months	36825000
13	DST/WTI/2k9/146 17-09-2010	Assessment of performance of existing rainwater harvesting structures and ground water recharging in the rural and urban areas and development of methodologies for efficient sustainable rain water harvesting system	Dr.T.L. Chakraborty, Centre for Ground water Studies, Kolkata, West Bengal.	36 Months	1562440

14	WTI/WAR-W/18/2010, 21-09-2010	“For setting up of a Plant for Water Challenger at Cluster No.9, Mamsapuram, Virudhu Nagar Distt,	Mr. N Krishan, Water Systems India(P) Ltd., Chennai, Tamil Nadu.	36 Months	108949500
15	WTI/WAR-W/19/2010 29-09-2010	For setting up of a Plant for Water Challenges at Cluster no.32, Thiruppatur, Sivaganga Distt. TN”	Mr. N Krishan, Water Systems India(P) Ltd., Chennai, Tamil Nadu.	36Months	108949500
16	WTI/WAR-W/17/2010, 29-09-10	“For setting up of a Plant for Water Challenger at Cluster No.1 Buja Buja Village”	Mr. N Krishan, Water Systems India(P) Ltd., Chennai, Tamil Nadu.	36Months	55268350
17	DST/WTI/2k9/145 16-11-2010	Impact of Water Harvesting Structures on Water Quality	Dr. Brij Mohan Sharma, Society of Pollution & Environmental Conservation Scientists, Dehradun, Uttarakhand.	6 months	498300
18	DST/TM/WTI/2k9/149 19-11-2010	Phase – II: Development of River Bank Filtration in Hill Regions for Sustainable Solution for quality and quantity Problems of Drinking Water in Uttarakhand	Er. P.C. Kimothi, Uttarakhand Jal Sansthan, Dehradun., Uttarakhand.	32 Months	33474000
19	DST/TM/WTI/2K10/ 189 22-11-2010	Scientific Evaluation of Water purification systems in state of Punjab (Phase-II: Selection, Installation & Assessment)	Er. Pritpal Singh, Punjab State Council for S& T & Environment, Chandigarh (UT).	18 Months	7410000
20	DST/TM/WTI/2k9/154 16-12-2010	Renovation of two Historic Bandh "Raja Hari Singh Bandh and Kala Buja Bandh" for Harvesting&Conservation of Rain Water, Khetri Block Distt Jhunjhunu	Brig. P. K. Bhatnagar, The Creative Centre for Rural Development, New Delhi.	12 Months	1150000
21	DST/TM/WTI/2k10/169 28-12-2010	Development of GIS based Real Time Monitoring Software for Maximizing Efficiency of Water Treatment Plants	Dr. Probir Kumar Bose, NIT, Agartala, Tripura.	36 Months	2500000

22	DST/TM/WTI/2K10/180 28-12-2010	Scientific Evaluation of Water Purification systems in state of Maharashtra (Phase – II: Selection , Installation & Assessment)	Dr. V.K Kondawar, Rajiv Gandhi Science & Technology Commission, Nagpur, Maharashtra.	18 Months	7020000
23	DST/WAR-W /WSI/12/ 2010 03-01-2011	“Geographic information system and modeling of sea-water intrusion in the Volinakkam Coast, Tamil Nadu”	Dr.P. Sivasubramaniam, V.O.Chitambaram College, Tuticorin, Tamil Nadu.	36 Months	1201000
24	DST/TM/WTI/2k9/158 04-01-2011	Development of Low Cost process for purification of Industrial Wastewater for production of Water useful for Agriculture / Industries	Dr. Sanjay Gupta, Post Graduate Institute of Biomedical Science & Research, Dehradun, Uttarakhand.	36 Months	1500000
25	DST/TM/WTI/2k9/150 05-01-2011	Augmenting Groundwater Recharge through Select Ancient tanks in Chennai city	Mr. K. Santhanam , Sathyabama University, Chennai, Tamil Nadu.	24 Months	1478900
26	DST/WAR-W /SWI/005/ 2010 06-01-2011	“Seawater fresh water dynamic and identification of measures to prevent se-water intrusion in alluvial aquifer with Chennai”	Dr. L. Elango, Anna University, Chennai, Tamil Nadu.	36 Months	2982000
27	DST/WAR-W /WSI/10/ 2010 10-01-2011	Impact of beach placer mining on the coastal aquifers of southern, TN Coast”	Dr.N.Chandrasekar, Manonmaian Sundarnar University, Tirunelveli, Tamil Nadu.	36 Months	2964920
28	DST/WAR-W /SW/08/ 2010 12-0102011	“Development & Management of Ground water Resources in Coastal Region: a Study from Prakasam Deptt.A.P.”	Dr.N.Subba Rao, Andhra University, Visakhapatnam, Andhra Pradesh.	36 Months	1800000
29	DST/WAR-W /SWI/14/ 2010 14-01-2011	Saline water Intrusion Studies along Tuticorin Coast using isotope systematic	Dr.Girish Gopinath, CWDRM, Calicut, Kerala.	36 Months	1887333

30	DST/WAR-W /WSI/002/ 2010 07-02-2011	“Identification and Mapping of Sea-Water Intrusion and sustainable management of Ground water resources in the coastal region of Cauvery Delta TN”	Dr.T. Ram Kumar, Annamalai University, Annamalai Nagar, Tamil Nadu.	36 Months	1800000
31	DST/TM/WTI/2K10/193 27-01-2011	Removal of Fluoride from concentrated stream generated during membrane separation of ground water	Mrs. K.V. Marathe Dept. of Chemical Engg., Institute of Chemical Technology, Mumbai, Maharashtra..	24 Months	1663920
32	DST/TM/WTI/2K10/188 27-01-2011	Scientific Evaluation of Water purification systems in state of Uttarakhand (Phase – II: Selection, Installation & Assessment	Dr. Sarita Khandka, Uttarakhand State Council for Science & Technology, Dehradun, Uttarakhand..	18 Months	4754000
33	DST/TM/WTI/2K10/186 02-02-2011	Audit of Existing Drinking Water Stroage tanks for quantification of drinking water availability	Prof. S. Janakarajan, Madras Institute of Development Stuies,Chennai, Tamil Nadu.	30 Months	3832000
34	DST/TM/WTI/2k7/36 14-02-2011	Water Resource Management for survival of Holy Pushkar Lake, Rural Water Supply & Agriculture in Pisangan block, Ajmer district, Rajasthan	Mr. Mahendra Mehta, Institute of Environment Education & Sustainable Development, Jaipur, Rajasthan..	24 Months	1425710
35	DST/TM/WTI/2k10/206 15-02-2011	Pilot study on defluoridation of ground water by using low energy membrane technology and its impact on certain health aspects in mammalian model	Prof. K.Vijaya Kumari, Dept. of Zoology, Sri Venkateswara University, Triupathi, Andhra Pradesh.	36 Months	3922820

36	DST/TM/WTI/2k10/181 24-02-2011	Comparative analysis of synthetic resins, bio-polymers and activated alumina for fluoride removal efficiency from ground drinking water	Dr. Veena Chaudhary, Ch. Shivani Singh Shandilya (C.S.S.S) PG College, Meerut, Uttar Pradesh..	24 Months	981000
37	DST/TM/WTI/2K10/203 24-02-2011	Application of Functionalized Activated Carbon for treating pharmaceutical wastewaters containing a mixture of chlorhexidine gluconate and cetrinide	Dr. Ujjaini Sarkar, Dept. of Chemical Engineering, Jadavpur University, Kolkata, West Bengal.	24 Months	1200000
38	DST/TM/WTI/2k10/205 04-03-2011	Low energy Domestic grey Water treatment device for rural and peri urban India	Dr. H.N. Chanakya, Centre for Sustainable Technologies, IIS, Bangalore, Karnataka.	24 Months	1782000
39	DST/TM/WTI/2k10/182 07-03-2011	Assessment of metal contamination in Noraiyakheda and to conduct basic binding studies with an efficient biosorbent from Trapa natans	Dr. Padma S Vankar, IIT, Kanpur, Uttar Pradesh.	24 Months	1284000
40	DST/WAR-W/ WSI/18/ 2010 16-03-2011	“Geohydrological response of Sea-Water Intrusion in Coastal Aquifers of Visakhapatnam”	Prof. K.V.V. Satyanarayan, Andhra University, Visakhapatnam, Andhra Pradesh.	36 Months	4734800
41	DST/TM/WTI/2K10/207 17-03-2011	Installation of Community Managed Reverse Osmosis pilot plant for treatment of Brackish Saline/ hard Water to provide safe drinking water	Prof. T.V. Krishna Reddy, Andhra Pradesh Council of Science & Technology, Hyderabad, Andhra Pradesh.	24 Months	3053000
42	DST/TM/WTI/2k10/204 18-03-2011	Synthesis and characterization of gold nano particles for arsenic detection	Prof. Mulayam Singh Gaur, Dept. of Physics, Hindustan College of Science & Technology, Mathura, Uttar Pradesh.	24 Months	1000000