

## List of New Projects Sanctioned during F.Y. 2014-15: Water Technology Initiative

| S.No | File No./ Date of sanction        | Title  | Duration                     | PI Name & Institution Address   |
|------|-----------------------------------|--|------------------------------|---|
| 1    | DST/TM/WTI/2k13/108<br>30.04.2014 | More crop and income per drop of water-a scientific approach for its effective realization.  | 24 months<br>Rs. 20,20,700   | Dr. K.Nandini Devi, Central Agricultural University, Imphal.                |
| 2    | DST/TM/WTI/2k13/87<br>30.04.2014  | Pilot Scale Demonstration of Novel Water Defluoridation Unit for Rural Areas.  | 24 months<br>Rs. 23,94,800   | Dr. C. Anand Babu, PSG College of Technology, Coimbatore.                   |
| 3    | DST/TM/WTI/2k13/98<br>05.05.2014  | Field Trials of Low Cost Fluoride Filter: Domestic Ad Community Scale  | 36 months<br>Rs. 12,78,000   | Dr. C R Mohanty, Veer Surender Sai University of Technology, Sambalpur.     |
| 4    | DST/TM/WTI/2k13/123<br>09.05.2014 | Development of a novel hybrid process for the economic removal of ammonia from wastewaters.  | 36 months<br>Rs. 21,85,770   | Dr. P.C.Sabumon, VIT University, Chennai.                                   |
| 5    | DST/TM/WTI/2k13/144<br>12.05.2014 | Control and Operation of urban distribution networks   | 36 months<br>Rs. 32,90,800   | Dr. Sridharakumar Narasimhan, IIT Madras,                                   |
| 6    | DST/TM/WTI/2k13/137<br>13.05.2014 | Hydroxyapatite based ceramic adsorbent for strontium removal from drinking water   | 24 months<br>Rs. 16,70,400   | Dr. R. Selvakumar<br>PSG Institute of Advanced Studies, Coimbatore.         |
| 7    | DST/TM/WTI/2k13/127<br>15.05.2014 | Catalytic Oxidation of Nitrogenous Aromatic Compounds bearing wastewater   | 24 months<br>Rs. 26,02,400   | Dr. Vimal Chandra Srivastava, IIT, Roorkee,                                 |
| 8    | DST/TM/WTI/2k13/122<br>20.05.2014 | Floating wick type vertical multiple effect diffusion solar still waste heat recovery  | 24 months<br>Rs. 11,22,400   | Dr. Madhup Kumar Mittal, Thapar University, Patiala Punjab.                 |
| 9    | DST/TM/WTI/2k13/125<br>21.05.2014 | Removal of Arsenic from Drinking Water using Liquid Membrane based Separation Technique  | 36 months<br>Rs. 26,17,200   | Dr. Prabirkumar Saha, IIT Guwahati.   |
| 10   | DST/TM/WTI/2k13/156<br>21.05.2014 | Action Education of Scheduled Cast Youths on Water Resources Development and Management through Appropriate Scientific Technologies. | 16 months<br>Rs. 11,70,000   | Dr. Kamalam Joseph, CWRDM, Kozhikode.                                       |
| 11   | DST/TM/WTI/2k13/142<br>22.05.2014 | Nagaland State Referral laboratory for Water Quality Testing and Monitoring  | 24 months<br>Rs. 3,63,69,800 | Dr. Zavei Hiese, Nagaland Science & Technology Council, Nagaland.           |
| 12   | DST/TM/WTI/2k14/170<br>03.06.2014 | Surface Plasmon resonance (SPR) based colorimetric sensing of Mercury and Chromium species in the contaminated waters                | 36 months<br>Rs. 21,24,400   | Dr. Amitava Mukherjee, VIT University, Vellore                              |
| 13   | DST/TM/WTI/2k13/115<br>11.06.2014 | Development of River Filtration system on the banks of river Yamuna in Dayalbagh, Agra.  | 36 months<br>Rs. 1,77,56,800 | Prof. V. Soamidas, Dayalbagh Educational Institute, Dayalbagh, Agra-282005. |
| 14   | DST/TM/WTI/2k14/173<br>12/8/2014  | Characterization & testing of Nanocelluloses a class of nanomaterials in model & real waters   | 36 months<br>Rs. 12,29,400   | Dr. Shaik Basha (CSMCR), Bhavnagar, Guj.                                    |

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| 15 | DST/TM/WTI/2k14/166<br>04.09.2014  | Quantification & Characterization of Disinjection by products in drinking water from various places of T.N.   | 36 months<br>Rs. 19,99,400   | Dr. M. Vasanthy, Bharathidasan University, Tiruchirappali.  |
| 16 | DST/TM/WTI/2k14/186<br>11/09/14    | Defluoridation of water by Graphene metal ferrite composite   | 36 months<br>Rs. 22,61,800   | Dr. Susmita Sen Gupta, BN College, Dhubri   |
| 17 | DST/TM/WTI/2k14/179<br>12/09/2014  | Small Community Level low cost process from local Biomass for Iron & fluoride removal from Bare well water of (Asam Local Mass)   | 36 months<br>Rs. 30,33,200   | Dr. R.L. Goswamee, CSIR-NEIST, Jorhat.  |
| 18 | DST/TM/WTI/2k14/194<br>22.09.2014  | Assessment of the quality of drinking water sources in the western part of Godavari Western Delta, West Godavari Dist, A.P.   | 24 months<br>Rs. 39,46,695   | Dr. NVVS Prasad, Sir CRR Group of Educational Institution Eluru<br>ii) Dr C A Jyothirmayee, CH. S. O. St. Therasas College for women, Eluru |
| 19 | DST/TM/WTI/2k14/180<br>22.09.2014  | Studies on the effect of ingress of sea water in selected 56 villages of the Sunderbans of W.B.   | 12 months<br>Rs. 14,06,800   | Dr. S.K.Si, Vivekananda Instt. Of Biotechnology, Nimpith.   |
| 20 | DST/TM/WTI/2k14/195<br>24.09.2014  | Innovation Aquaculture technology for conservation of water & safe discharge of effluents   | 36 months<br>Rs. 1,21,58,800 | Dr. K Gopal Rao Uddaraju Anand Raju Foundation Bhimavaram.  |
| 21 | DST/TM/WTI/2k14/183<br>24.09.2014  | Assessment of the Quality of drinking water sources of the Godavari Western Delta West Godavari Dist, AP  | 24 months<br>Rs. 35,43,800   | Dr. M. Jagupathi Rajiv SRKR, Engg. College Bhimavaram.  |
| 22 | DST/TM/WTI/2k14/174<br>29.09.2014  | Safe and sustainable drinking water for a tribal village in wayanad Dist – A climate change hotspot of Kerala.  | 12 months<br>Rs. 57,52,400   | Dr. Danesh Kumar, MSSRF, Wayanad  |
| 23 | DST/TM/WTI/2k14/188<br>29.09.2014  | Policies for sustainable water resources : A study of vizag urban area  | 36 months<br>Rs. 17,79,150   | Prof. Lakshmi Prasad, GITAM University, Vizag   |
| 24 | DST/TM/WTI/2k14/184<br>16.10.2014  | Development of optode for fluoride by Digital color Analysis.   | 24 months<br>Rs. 27,65,940   | Dr. T.V. N. Partha Sarthi, MVGR College of Engg. Viziangarum, AP  |
| 25 | DST/TM/WTI/2k14/197<br>16.10.2014  | Facility for drinking water quality analysis and monitoring in North Coastal Dist. Of A.P.  | 36 months<br>Rs. 2,00,75,400 | Prof. K. Lakshmi Prasad, GITAM University, Vizag  |
| 26 | DST/TM/WTI/2k14/216<br>30.12.2014  | Automation of Hygienic drinking water supply system using wireless sensor networks.   | 36 months<br>Rs. 22,32,708   | Mrs. Kavipriya, Mepco Schlenk Engg. College, Sivakashi.   |
| 27 | DST/TM/WTI/2k14/192<br>12.09. 2014 | Improvement in access to safe drinking water to a settlement through re-commissioning of defunct bore wells, preventing wastage through diversion to a cistern with taps, education, and its impact on KAP regarding water health and sanitation and water-borne diseases | 24 months<br>Rs. 13,06,000   | Dr. PVVS Murty Dangoria Charitable Trust, Musheerabad, Hyderabad.   |
| 28 | DST/TM/WTI/2k14/193<br>28.11.2014  | Recycling of waste water by improved moving bed bio film reactor  | 24 months<br>Rs. 59,86,600   | Prof. U Venkatapathi Raju Shri Vishnu Engg. College for Women (SVECW), Bhimavaram.  |

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|    |                                      | in Vishnu Educational Society campus, Bhimavaram  |                              |   |
| 29 | DST/TM/WTI/2K14/197(a)<br>27.11.2014 | Design and Development of Electrochemical Biosensor with Nano interface to Detect Heavy Metal Ion Elements in Water   | 30 months<br>Rs. 21,31,200   | Dr. R. John Basco Balaguru<br>SASTRA University, Thanjavur (TN).                    |
| 30 | DST/TMC/DIWALI/VUDA<br>19.02.2015    | 5 MLD (5000m <sup>3</sup> /day) Sewage Treatment facilities under new Urban Sanction System with Dutch technology for VUDA (Vadodara Urban Development Authority) | 36 months<br>Rs. 2,49,10,000 | Mr. N V Patel, Vadodara Urban Development Authority(VUDA) Bhavan, Vadodara, Gujarat |
| 31 | DST/TM/WTI/2K14/213<br>26.03.2015    | Design and Fabrication of Disposable Devices for Quantitative Detection of Fluoride in Field Studies  | 24 months<br>Rs. 25,90,000   | Dr. Mahaveer Kurkuri, Jain University, Kanakpura Taluk, Bangalore.                  |
| 32 | DST/TM/WTI/2K14/191<br>30.3.2015     | Use of inorganic and hybrid sorbents/ exchangers for removal of toxic metals from industrial waste water  | 36 months<br>Rs. 31,40,000   | Dr. Kalpana C. Maheria, S.V. National Institute of Technology, Surat, Gujarat.      |
| 33 | DST/TM/WTI/2K14/217<br>30.03.2015    | Synthesis of nanoparticle impregnated on apple pomace(waste) for removal of heavy metals from wastewater  | 24 months<br>Rs. 17,10,000   | Dr. Yogesh B. Pakade, CSIR-IHBT, Palampur, H.P.                                     |