

### List of proposal sanctioned during 2013-14

Sl.No.	File No.	Title	Investigator/ Complete address of Institute	Duration	Total Cost(in Lakhs)	Industry Contribution (in Lakhs)
1	IDP/MED/2012/8	Design and Development of Wireless Sensor Based Communication for Multichannel EEG Recording	Dr. Subha Rani, Professor & Head, Dept. of Electronics & Communication Engg., PSG College of Technology, Coimbatore 641004.	36 months	40,27,100	4,00,000
2	IDP/IND/2012/14	Design and Development of a sensor system for efficient water management in rice crop	Dr. K. Ramaswamy, Professor (SWCE), Dept. of Soil & Water Conservation Engg., Agricultural Engg. College & Research Institute, Tamilnadu Agricultural University, Coimbatore 641003.	24 months	27,33,000	2,50,000
3	IDP/IND/2012/13	Efficient Approach of Coconut Plucking Process - A Human Powered, Safe Mechanical Device	Dr. P. Rajesh Kanna, Prof. Velammal College of Engineering and Technology, Madurai-Rameswaram High Road, Viraganoor, Madurai 625009	24 months	23,62,800	2,40,000
4	IDP/IND/1012/08	Multisprouted Bed Roaster for Roasting Makhana and Certain Value Added Products from Makhana	Dr. V.D. Nagaraju, Principal Scientist, , Food Engineering Department, Central Food Technological Research Institute, Chelluvamba Mansion 20	24 months	19,92,600	1,80,000
5	IDP/IND/2012/19	Feasibility study for development of Sensor Based Precision Fertilizer Application Device for Paddy	Dr. R. Kavitha, Associate Professor, Tamil Nadu Agricultural University, Coimbatore 641003.	24 months	19,07,000	

6	IDP/IND/2012/16	Refinement of Starch Indicator	Dr. J. Thajudhin Sheriff, Principal Scientist, Central Tuber Crops Research Institute, Sreekariyam, Thiruvananthapuram Kerala 695017.	24 months	39,53,400	4,00,000
7	IDP/IND/2012/01	Feasibility study to develop Instrumentation and Field Studies on In-situ Extraction of Tender Coconut Water from Coconut Tree	Prof. C.K. Chandrababu, Associate Professor, Department of Mechanical Engg., B.M.S. College of Engineering, Bangalore 560019.	24 months	19,90,800	
8	IDP/IND/2011/09	Development of MEMS Based Bundle Strength Tester and Fiber Fineness Tester	Dr. D. Yuvaraj, Assistant Professor, Dept. of Textile Technology, Anna University, Chennai 600025.	24 months	16,49,600	1,00,000
9	IDP/IND/2012/28	Development of an Improved Seed Drill Choke Indicator	Dr. A.K. Rai, Head, Instrument Development & Service Centre, College of Agricultural Engineering, JNKVV, Jabalpur 482004.	24 months	18,37,600	1,00,000
10	IDP/IND/2012/15	Development of de-seeding machine for custard apple pulp	Mr. P.H. Bakane, Associate Professor, Department of Agricultural Process Engg., College of Agricul-tural Engg. & Technology, Dr.PDKV, Akola 444104	24 months	24,61,200	2,50,000
11	IDP/IND/2012/22	Wireless sensor network enabled earlier real time detection of spoilage in stored grain	Ms. A. Lakshmi Sangeetha, Asst. Professor Dept. of Electronics & Instrumentation, Velammal Engg. College, Surapet, Velammal Nagar, Ambattur- Redhills Road, Chennai 600066.	24 months	27,71,800	3,00,000

12	IDP/IND/2012/29	Development of a system for converting non-woven fabric into fruit bag and a mechanised technique for fruit bagging for horticultural application.	Mr. P.R. Survase, Synthetic & Art Silk Mills Research Association (SASMIRA), Worli Mumbai 400030.	24 months	33,79,000	3,00,000
13	IDP/IND/2012/12	Automatic multi-parameter soil testing device with online data display	Prof. D.N. Singh, Dept. of Civil Engg., Indian Institute of Technology- Bombay(IIT-B), Powai, Mumbai 400076.	18 months	37,44,320	3,50,000
14	IDP/IND/2012/24	Design and development of a computerized potting, filling, dibbling, seeding and watering machinery for vegetable nursery	Dr.(Mrs.) A. Carolin Rathinakumari, Farm Power and Machinery Section of Agricultural Engg., Indian Institute of Horticultural Research, Hessaraghatta Lake (PO), Bangalore 560089.	24 months	23,24,100	2,00,000
15	IDP/IND/2012/30	Electronic Saffron Corm Grader and Walnut Grader	Dr. G.M. Mir, Associate Professor, Division of Agricultural Engg., S.K. University of Agricultural Sciences and Technology - Kashmir, Shalimar, Srinagar 191121	36 months	21,53,120	1,50,000
16	IDP/Med/2013/1	A Multi Modal Early Warning System for Sudden Infant Death Syndrome (SIDS)	Dr. A. Vimala Juliet, Professor, ICE Dept., SRM University, Kattankulathur 603203 Kancheepuram Dt. T.N.	12 months	3,80,000	
17	IDP/MED/2012/18	Portable multi-analyte sensor for detection of renal disease	Dr. Rohit Srivastava, Associate Professor, Biosciences and Bio-engineering, IIT Bombay, A S Marg, Powai, Mumbai 400076.	18 months	49,51,600	4,50,000

18	IDP/MED/2013/08	Feasibility study for Fabrication and Testing of Hand Held Probe for in vivo Detection of Cervical Precancer	Dr. Asima Pradhan, Professor, SL-iii, BIOPSYL Lab, IIT Kanpur, Kanpur 208016	18 months	20,93,000	
19	IDP/MED/2013/18	To design closed loop automated blood pressure control system	Prof. Goverdhan Dutt Puri, Dept. of Anesthesia and Intensive Care, Post Graduate Institute of Medical Education and Research (PGIMER), Sector 12, Chandigarh 160012.	24 months	47,68,000	5,00,000
20	IDP/MED/2012/15	Feasibility study for development of an instrument for Noninvasive Prognosis of Dengue	Dr. Gnanou Florence Sudha, Associate Professor, Dept. of Electronics & Commn. Engg., Pondicherry Engg. College, Puducherry 605014.	24 months	21,21,220	
21	IDP/MED/2013/09	Development of Nano gold based immunochromatography/immuno dot blot assay for detection of Trypanosoma evansi infection in animals	Dr. Neeraj Dilbaghi, Chairman and Associate Professor, Bio an Nano Technology, Guru Jambheshwar University of Science & Technology, Hisar 125001 Haryana	24 months	23,23,450	