

**4th National Awards for Technology Innovation in Petrochemicals & Downstream
Plastics Processing Industry (2013-14)**

B R I E F

Shri Ananth Kumar, Hon'ble Minister for Chemicals & Fertilizers, Government of India, would be giving away the 4th National Awards for Technology Innovation in Petrochemical & Downstream Plastics Processing Industry to the Awardees for their outstanding contribution in these fields, in the presence of Shri Nihal Chand, Hon'ble Minister of State for Chemicals & Fertilizers Government of India in a function to be held at Manekshaw Centre, Delhi Cantt., New Delhi on Thursday, 17th July 2014 at 6:00 p.m.

2. The Awards are conferred by the Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Government of India for Technology Innovation in the fields of Polymeric Material, Polymeric Products, Polymer Processing Machinery & Equipment, Polymer Waste Management & Recycling Technology, Green Polymeric Materials & Products, Polymers in Agriculture and Water Conservation, Polymers in Public Health Care and Research in the field of Polymer Science & Technology. A total of 23 awards under eight categories and three sub-categories will be awarded. The award consists of a Shield, a Citation, a cash prize of Rs. 2 lakhs to the Winners. The Award for the Runners up consists of a Shield and a Citation.

3. The National policy on Petrochemicals was approved by Government of India in April 2007. The policy aimed at increasing investment, competitiveness, and Research & Development efforts in thrust areas of polymeric materials. To achieve the objectives of this policy, the Department of Chemicals & Petrochemicals (DCPC), Government of India set up an Award Scheme to incentivize meritorious innovations and inventions in various fields of Polymers, with participation of Individual/Team, Industry, Academic and R&D Institutions. The purpose of this Award scheme is to develop value added, quality petrochemical products at globally competitive price using eco-friendly processes and technologies. The Central Institute of Plastics Engineering and Technology (CIPET), an autonomous institute under DCPC, has been entrusted with the responsibility of implementing the scheme of the National Award for Technology Innovation in Petrochemicals & Downstream Plastic Processing Industry.

4. CIPET made special efforts for sensitizing the industry and academic institutes about this initiative of the Government. In the 4th National Awards, 313 nominations were received

which were scrutinized and evaluated by a committee of experts consisting of Academicians, members from the Industry, experts from R&D institutions. Finally, 17 nominations were selected as Winners and 6 Runner-up for Technology Innovation in Petrochemicals and Downstream Plastics Processing Industries in the fourth year of its operation in 2013-14.

The Winners and their innovations are:

- **Dr. Rabindranath Jana** for “Development of Liquid Crystal Polymers for Actuator Applications” in the Individual/Team category of Innovation in Polymeric Material.
- **M/s Reliance Industries Limited, Mumbai** for “New Ultra High Molecular Polyethylene (UHMWPE) for Defense Applications” in the Industry category of Innovation in Polymeric Material.
- **Shri Trebhuwan Singh Raman** for “An Improved Oropharyngeal Airway” & **Shri Rishi Baid** from M/s Poly Medicure Ltd., Faridabad for “Safety IV Cannula” in the Individual/Team category of Innovation in Polymeric Products.
- **M/s Valtree Global Associate, Secundrabad** for “Valtree Preinsulated Valves & Strainers” in the Industry category of Innovation in Polymeric Products.
- **Indian Institute of Technology, Kharagpur** for “Process Technology For Manufacturing Jute Based Cellulosic Fiber And Method For Manufacturing Superabsorbent Polymer Bound On A Natural Polymer for Sanitary Napkin and Diaper.” in the Academics and R&D Institution category of Innovation in Polymeric Products.
- **Prof.(Dr.) S.K.Nayak, Dr. Smita Mohanty & Mr. Bishnu Prasad Panda, CIPET, Bhubaneswar** for “Development of Flat and Curved Bottom FRP Liquid Helium Dewar for squid based application including magnetoence Phalography (MEG)” in the Individual/Team category of Innovation of Polymer processing Machinery & Equipments.
- **M/s Dave Technical Services, Mumbai** for “Mini Blow Twin Station Form-Fill-Seal (FFS) Machine” in the Industry category of Innovation of Polymer processing Machinery & Equipments.

- **Prof.(Dr.) S.K.Nayak , Dr. Smita Mohanty & Dr. Jandas P.J, LARPM-CIPET, Bhubaneswar** for “High Impact Recycled Plastics From Waste Electrical & Electronic Equipments (WEEE) for Thin Walled Outer Casing Applications ” in the Individual/Team category of Innovation in Polymer Waste Management & Recycling Technology.
- **M/s Montage Health Care & Bio Chem Private Ltd , Mumbai** for “Bioconversion of Mango Kernel An Agri-Waste to Bioplastics" in the Industry category of Innovation in Green Polymeric Materials & Products.
- **M/s Indian Oil Corporation Ltd, R & D Centre, Faridabad** for “Reach Compliant Novel Internal Donors Based Ziegler –Natta Catalysts for Producing Phthalate Free Polypropylene" in the Academics and R&D Institution category of Innovation in Green Polymeric Materials & Products.
- **Sheo Shekhar Shukla , Uma Kant Pandey, Madhya Pradesh Warehousing & Logistics Corporation, Bhopal** for “Silo Bag Used for Storage of Food Grain " in the Individual/Team category of Polymers in Agriculture and Water Conservation.
- **M/s Auto Irrigation Pvt. Ltd, Haridwar** for “Plastic Hydrocyclone Filter for Micro Irrigation" in the Industry category of Polymers in Agriculture and Water Conservation.
- **Dr. Roy Joseph & Mr. C.V. Muraleedharan, Shree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum** for “Fluoropolymer Coated and Hydrogel Sealed Vascular Graft Implant" in the Individual/Team category of Polymers in Public Health Care.
- **M/s HLL Life Care Ltd , Trivandrum** for “Development of Novel Intrauterine Device-Coated Copper T " in the Academics and R&D Institution category of Polymers in Public Health Care.
- **Dr. Reddithota J. Krupadam, Nagpur** for “Smart Polymers for Environmental Carcinogens Sensing and Remediation " in the Individual / Team category of Research in the field of Polymer Science & Technology.

- **Dr. Anjana Jain , Mr.P.Siva Subba Rao & Dr. Rajeev Jain, National Aerospace Laboratory, Bangalore** for “Development of Polyvinylidene Fluoride (PVDF) Polymer Composite Films and Demonstration as an Actuator for Flapping wing of Micro Air Vehicle " in the Academics and R&D Institution category of Research in the field of Polymer Science & Technology.

The Runners up and their innovations are:

- **M/s Indian Oil Corporation Ltd , Product Application & Development Centre (PADC), Panipat** for “High Productivity-High Stiffness-Injection Molding PP Grade " in the Industry category of Innovation in Polymeric Materials.
- **M/s Indian Oil Corporation Ltd , R & D Centre, Faridabad** for “Multi Utility Solar-LED-Light " in the Industry category of Innovation in Polymeric Products.
- **Mr. S. Anand Thiruvananthapuram** , for “EF Bricks Modern Technique in Fly Ash Bricks " in the Individual/Team category of Innovation in Polymer Waste Management & Recycling Technology.
- **Mr. Sushant Upadhyaya, Malaviya Institute of Technology, Jaipur** for “Development of a Solar Energy Based Membrane Distillation System for Rural Drinking Water Applications in Rajasthan" in the Individual/Team category of Polymers in Agriculture and Water Conservation.
- **Dr. Tejraj M. Aminabhavi , Soniya Education Trust’s College of Pharmacy, Dharwad,** for “Polymers in Drug Delivery and Membrane Science " in the Individual/Team category of Research in the field of Polymer Science & Technology
- **Dr. Leela Edwin , Dr. P. Muhamed Ashraf, Dr. Nikita Gopal, Dr. Saly N. Thomas, Dr. B. Meenakumar, Dr. M. Ajith Peter & Dr. Sreeja A, Central Institute of Fisheries Technology, Cochin** for “Upgradation of Treated Rubber Wood Using Fibreglass Reinforced Plastic (FRP) Sheathing for Fishing Boat Construction " in the Academics and R&D Institution category of Research in the field of Polymer Science & Technology.

Apart from the awardees and their family members, senior Government officials, representatives of industries, academia and R&D institutions would be present on the occasion.
