

15 IIGP INNOVATORS' COMPETITION WINNERS ANNOUNCED FICCI Impact Analysis Study for DST - Lockheed Martin India Innovation Growth Programme Initiated

NEW DELHI, May 20, 2010. The DST-Lockheed Martin India Innovation Growth Programme continues to evolve and provide support to Indian innovators looking for ways to market their technologies and ideas. As a result of the far-reaching benefits of this unique programme, an "Impact Analysis Report" has been commissioned by the Department of Science and Technology. FICCI has started the study for the report and the results so far have been extremely favorable and positive. The final report will be released on 9th September, 2010 at a Technology Exposition to be organized in Chennai.

The report would examine the impact of DST-Lockheed Martin India Innovation Growth Programme (IIGP) to the businesses of programme winners. It would provide an overview of the DST - Lockheed Martin IIGP and the current status of the business development of the technologies selected under the programme. The report would further highlight the benefits that the participants have been able to reap through this initiative and how they have grown since their participation in the IIGP. For this, FICCI is conducting a primary survey by way of contacting the programme winners and taking their input on parameters such as business generated and expanded, employment generation, value addition through IIGP.

The participation has resulted in an impressive economic impact on the participant technologies in terms of scaling their gross turnover, company valuation of deals and enhancing the degree of employment in the projects concerned in specific and economy in general. The responses received so far have been very encouraging with companies like Zeus Numerix claiming that they have grown 100 per cent in the last couple of years. The statistics received so far are encouraging and future growth pattern looks extremely positive. Based on the feedback received from programme participants for whom business development was undertaken, **over Rs. 200 crore** of business has been generated India and roughly **Rs. 47 crore** in the international markets since the inception of the programme in 2007.

The DST- Lockheed Martin India Innovation Growth Programme announced 15 medal winners for the current year (2009-2010) of the competition. The India Innovation Growth Programme, launched in March 2007 by Lockheed Martin, has helped several Indian innovators successfully transition their technologies to both the Indian and global markets.

Inaugurating the function, Mr. Prithviraj Chavan said "For maintaining rapid growth rate and help alleviate poverty, we need to fully utilize the innovation potential of our young population with science and technology background. I am convinced that

programs of this nature which have been conceived in a true Public Private Partnership mode between DST-Lockheed Martin-FICCI and IUSSTF are a step in the right direction in achieving and harnessing this innovation potential. The winners of this competition, who are present here with us today, exemplify a new class of entrepreneurial spirit unleashed in 21st century India. We need to encourage, promote, nurture and mentor these innovators through programs such as this.”

Dr. T Ramasami, Secretary, Department of Science & Technology, underlined the need for an innovation ecosystem where the conversion of knowledge (know how) into innovation (show how) benefits large sections of the people. The India Innovation Growth Programme, he said, was a kind of an incubation model where the innovators were connected in the entire mind-to-market chain. The need now was to scale up the programme with large increases in value addition from the innovators’s side.

Dr. Ray O Johnson, Lockheed Martin Senior Vice President and Chief Technology Officer, stated, “Today’s increasingly complex global challenges require innovative and affordable solutions. Technology is the key driver to solving these challenges, and we need Programs like this to nurture the new ideas and innovations that will become key elements of our future. Through our involvement with this Program, we learn more about the tremendous capabilities you have in this country. Based on all our experiences to date, clearly, advances through innovation are taking place in India. The India Innovation Growth Program is part of Lockheed Martin’s commitment to a partnership with India over the long-term. We are hopeful, too, that this cooperative spirit will lead to opportunities for technology research and collaboration with Indian businesses and academia to build on our partnership. ”

Addressing the gathering, **Mr. H.K. Mittal, Advisor & Head, National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology**, said that “Identification, evaluation and nurturing of innovations require a unique eco-system which is built around active engagement of private and public sector. India Innovation Growth Programme focuses on building that innovation eco-system by value creation for innovators and institutional capacity building”.

Dr. Arabinda Mitra, Executive Director, Indo-US S&T Forum, stated that “The India Innovation Growth Programme has unleashed the spirit of entrepreneurship in India by successfully translating ideas and concepts into real world products for the market space, both in India and USA.”

Mr. Sid Burback, Director, Global Commercialization Group, IC2 Institute at the University of Texas, said that “Over the past four years, the DST-Lockheed Martin Programme has clearly shown that amongst the great scientific minds in India, the

entrepreneurial spirit and talent is strong. IC2 is pleased to have a role in the development and success of these maturing entrepreneurs”.

Mr. V.K. Topa, Advisor to Secretary General, FICCI stated that “The FICCI Centre for Technology Commercialization has been set up with the prime aim of bridging the existing gap between the mind and the market. The India Innovation Growth Programme has proved that such initiatives are imperative to convert the research being done in the R&D labs into high value products and services. The number of applications received has gone up from 97 in 2007 to 400 in 2010. This shows that the scientific fraternity of India is in anxious need of platforms such as the India Innovation Growth Programme, which need to be scaled up further to ensure that we are able to reap the benefits of the excellent work being carried out in India”.

The winners’ of the DST-Lockheed Martin India Innovation Growth Programme, Innovators’ Competition represented a wide spectrum of sectors and states. The following technologies were announced the winners of the 2009-2010 competition:

- **Biological neutralization of alkaline waste water of textile waste water-** Dr (Mrs.) Rita Kumar, Scientist, Institute of Genomics and Integrative Biology (CSIR); Delhi.
- **Energy cakes-** Dr. Anil Kumar Singh, Director/Scientist, Energy Research Applications, Gurgaon (Haryana).
- **Video communications for masses-** Mr. Hardik Sanghvi, Founder & CEO, VMukti Solutions Pvt. Ltd., Ahmedabad
- **Clever texting** - Mr. Abhijit Bhattacharjee, Founder and CEO, Luna Ergonomics, NOIDA, UP.
- **Natural formulation for chronic wound healing** - Dr. Manu Chaudhary, Venus Medicine Research Center, Baddi
- **Man portable autonomous unmanned aerial vehicles** - Mr. Ashish Bhat, Director, ideaForge Technology Pvt. Ltd., Mumbai
- **Process for manufacture of sweetening catalyst Thoxcat ES** - Dr. M O Garg, Director, Indian Institute of Petroleum, Dehradun.
- **Shock wave treatment for bamboo** - Prof. Jagadeesh, Professor, Indian Institute of Science, Bangalore.
- **Oral sustained release nano-drug for treatment of tuberculosis** - Dr. Jitendra N Verma, Managing Director, **Lifecare Innovations Pvt Ltd**, Gurgaon.
- **"MozziQuit" Multi-purpose Mosquito Trap** - Mr. Ignatius Orwin Noronha, Managing Director, Leowin Solutions Pvt. Ltd., Mangalore.
- **Handheld digital retinal imaging system** - Dr. Anand Sivaraman, Director, Remidio Innovative Solutions Pvt Ltd., Bangalore.

- **A new method for detecting diabetic neuropathy and predicting foot ulcer development** - Dr. C.Jairaj Kumar, Deputy Director/ Chief Research Coordinator, K.S Hegde Medical Academy, Mangalore.
- **Active current conditioner** - Mr. Shwetank Jain, Director, P2 Power Solutions, IIT Kharagpur.
- **Titanium based wonder gels for separation and degradation of organic dyes from aqueous solution** - – Mr. Mohan K. Dongare/ Dr. Shubhangi Umbarkar, Scientist, National Chemical Laboratory, Pune.
- **Next gen. holographic weapon sight** - Dr. P.T.Ajith Kumar, President and Leading Specialist, Light Logics Holography and Optics, Thiruvallom.

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