



CSIR Diamond Jubilee Technology Award (CDJTA)

.....to recognize and honour outstanding technological innovation that has helped enhance India's competitiveness.....

About the Award

CSIR Diamond Jubilee Technology Award

1. Introduction

With the objective to foster technological innovation based on innovative science, **CSIR** launched an annual **Diamond Jubilee Technology Award** on 26th September 2002 in commemoration of its Diamond Jubilee celebrations. It was launched in recognition that mere investments in creating enabling infrastructure and support systems are not sufficient for achieving cutting-edge technological breakthroughs. Continuous encouragement and motivational nourishment need to be provided to potential inventors and innovators to unleash and realize their creative potential. Besides, those who succeed in giving outstanding performance need to be honoured by the nation.

The award is to encourage scientists, engineers and technologists to develop innovative technologies and products that are amongst the best in the world and enhance India's image. Technologies leading to commercially successful products, processes and services, which give India a sustainable competitive advantage, are considered for the award. Besides the technological innovation must simultaneously help broaden interactions among academic, R&D and financial institutions and industry and commercial sectors, and provide newer vehicles for commercialization.

The Award is intended for scientific discovery or technological innovations, which have reached the market place. It is given annually to a technology that is developed in the country by Indian innovators and meets the highest global standards.

2. Conditions and Requirements

2.1 The Award

The award consists of a cash prize of Rs. 10 lakh, a citation and a plaque.

2.2 Eligibility

Nominees must be:

- An Indian team, a company or an organization. In case of teams, Indian citizenship is a pre-requisite. For a company / organization, more than 50 percent of its shares or assets should be owned by the citizens of India / Indian entities.
- The technological innovation must have originated in India or if it has been developed elsewhere, it must have a significant and highly innovative Indian component.

2.3 Criteria for the Award

The technological innovation should

- Create a new market or significantly develop an existing market, with demonstrated competitive advantage and large cross section of users / consumer response;
- Compete successfully internationally on the basis of novelty, price, quality, functionality and reliability;
- Help raise capital or enhance the value / brand equity or image of the company / organization;
- Promote employment in the country; and
- Contribute benefits to the community generally and help raise the standards of quality of life of the community.

2.4 Selection Procedure

A two-tier selection procedure is in place. The initial screening to shortlist the qualifying applicants is done by a committee of seven eminent experts representing diverse disciplines. The short listed applicants are considered thereafter by a high-level expert committee chaired by an eminent technologist / Chairman of the CSIR Advisory Board with membership comprising of:

- Industrial associations such as CII, FICCI, ASSOCHAM;
- Directors of CSIR Laboratories;
- Financial Institutions / VCF;
- Past CDJTA Awardee; and
- Eminent Experts.

All the members are nominated by DG, CSIR.

3. Past Winners

CDJTA 2003

Winner: Tata Motors for design, development, manufacturing and commercialization of Indica and Indigo cars.

The Indica and Indigo cars have not only been successful in competing against some well known and established brands in the country but also have come to command leadership position in their respective segments.

CDJTA 2004

Winner: Midas Communication Pvt Ltd for development and commercialization of corDECT WLL (Wireless in Local Loop) access system and optiMA, a Fiber in Local Loop (FLL) access system.

Midas in collaboration with TeNeT (Telecommunication and Computer Network) of IIT-Madras undertook the mission to provide affordable and cutting-edge telecom solutions to interconnect the whole country through internet and voice connectivity. The development of the above two technologies has brought in a revolutionary change in the field of telecommunication services in India and several other developing countries.

CDJTA 2005

None was awarded.

CDJTA 2006

Winner: Tejas Networks India Limited 2006 for development of Next Generation of Optical (SDH/SONET) Networking Products and its successful commercialization from India.

Tejas cost-effective modular but scalable products are differentiated by their embedded software intelligence, which enables advanced features such as auto-discovery of network topology, automated end-to-end provisioning through an easy-to-use, web-based Network Management System (NMS) that simplify operation and management of optical networks.

CDJTA 2007

Winner: Mahindra and Mahindra Limited for 'Development and Commercialisation of Scorpio, a Sports Utility Vehicle (SUV)'

With the Scorpio, Mahindra & Mahindra had joined a handful of companies, which have designed and produced world class vehicles. This development has enabled the company to move into international league of automobile manufacturers. Its cutting edge diesel engine technology, voice assist system, lower NVH (noise, vibration and harshness) and 5 zone cushion suspension make every drive an exhilarating experience. The product with its style, convenience, comfort and safety is popular with individuals and institutions in India and abroad.

CDJTA 2008

None was awarded

4. Contact

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Application Proforma

CSIR DIAMOND JUBILEE TECHNOLOGY AWARD, 2009

APPLICATION FORMAT

All information received will be considered in confidence and accessible only to the Awards Secretariat and members of the CSIR Technology Award Selection Committee.

- Please answer **each** of the following in maximum 200 words.
 - Please enclose collateral material such as organization's / company's annual reports (for past 3 years), scientific, technological, trade and media coverage on the technology innovation.
- I. Name, address, contact details, legal status and ownership pattern of the organization/company.
 - II. Scientific and technical description of the technological innovation.
 - III. Extraordinary features of the technological innovation.
 - IV. Quantifiable and tangible benefits resulting from the technological innovation (give metrics for quantification).
 - V. Features of competitive technological innovations whether in practice or not.
 - VI. Characteristics of technological innovation that make it stand out from its competitors (compare the features).
 - VII. Impact of the technological innovation including the method of determination on: (i) India's competitiveness (ii) Society (iii) Employment and (iv) Environment.
 - VIII. Significant scientific & technical challenges that were overcome in the development and transfer of the technological innovation.
 - IX. Technological and financial risks taken or investments made to develop the technological innovation from the concept to commercialization.
 - X. Alliances and partnerships that facilitated the technological innovation and their contributions.
 - XI. Commercial status including estimated present market share and future potential of the technological innovation and the basis how this was determined.
 - XII. Details of Intellectual Property Rights secured and applied for (indicate patent numbers & enclose abstracts).
 - XIII. Scientific publications emanating from the technological innovation (enclose reprints).
 - XIV. Any other significant aspect not highlighted above.

Declaration

On the Organization letterhead

On behalf of _____, I certify that all particulars furnished above are correct and complete and we agree to abide by the decision of CSIR in all matters relating to the Award.

Place :

(Signature of the Head of the

Date :

Company/ Organization)

Name :

Designation :