



17th National Conference on In-house R&D in Industry

Theme : India's Emergence as a Global Research,
Design & Development Platform

10-11 November 2003
FICCI Golden Jubilee Auditorium
Tansen Marg, New Delhi

Organised by
Department of Scientific & Industrial Research
in association with
Federation of Indian Chambers of Commerce & Industry

Introduction

The "National Conference on in-house R&D in Industry" was first organised by the Department of Scientific & Industrial Research, Government of India in April 1987. So far, 16 National Conferences on in-house R&D in Industry have been organised. These conferences have always addressed contemporary issues pertaining to industry and the in-house R&D system. The Conference has become an important forum for exchange of ideas amongst industrial R&D system. National R&D system and the Government. The Department of Scientific & Industrial Research (DSIR) is organising the 17th National Conference on in-house R&D in Industry in association with the Federation of Indian Chambers of Commerce and Industry (FICCI) during 10 - 11 November 2003 in New Delhi.

Theme of the Conference

Prime Minister, Shri Atal Bihari Vajpayee, while presenting the Shanti Swarup Bhatnagar Awards this year, had observed "**Some international firms have started to set up their R&D centres in India, employing large numbers of Ph.Ds. This trend can be broadened by actively encouraging location in India of R&D activities of big and small corporations abroad. Our aim should be to make India a global R&D hub**". The theme of this year's conference is "India's Emergence as a Global Research, Design & Development Platform",

DSIR Awards for Outstanding in-house R&D Achievements

The tradition of giving DSIR Awards for Outstanding Achievements by in-house R&D units of industry, which was one of the major recommendations of the first National Conference, will be maintained and awards for the year 2003 will be presented in various sectors / areas for specific achievements.

Conference Content

The Conference would have three Technical Sessions with keynote addresses in each session by eminent panelists from Industry, Government and R&D institutions, followed by discussions, questions and comments by participants.

Participation

Participants in the 17th National Conference are expected to be heads of research organisations, chief executives of companies, senior R&D personnel from industry, directors and senior scientists from national laboratories, and other publicly funded R&D institutions, faculty members from universities and technical institutions, chief executives and senior managers from consultancy organisations and senior officials from concerned Government agencies involved in policy making and implementation of national development programmes.

Invitation for Technical Notes

Participating organisations are invited to report specific R&D achievements and special developments. These must be written in the form of a short note not exceeding 500 words in two typed quarto pages double-spaced. Title of the note, author's name and name of the organisation should be typed at the top of the front page. Notes conforming to these requirements received before **25 October 2003** will be reproduced and distributed amongst the participants at the time of registration

Programme

10 November 2003

0900-1000 hrs. **Registration**

1000 -1100 hrs. **Presentation of Awards and Inauguration**

1100 -1130hrs. **Coffee/Tea**

Session - 1 : " Globalisation of R&D : Indian

1130 - 1300 hrs. **Opportunities"**

Industry is becoming increasingly knowledge based. There is a ferment of activity on collaborative R&D across the globe. R&D activities are increasingly breaking the confines of national boundaries of country of origin. Several factors are helping to accelerate the globalisation of industrial R&D leading to the creation of "seamless laboratories" across the globe. The most important factor among them is the evolution of global information networks. The phenomenon of globalisation of R&D is not confined to large firms in developed countries only. Even in the relatively less developed countries, like South Korea and India, we have examples of companies setting up R&D centres in developed countries like US. Advances in communication and computerisation of design and engineering, have made it possible to have the R&D centres located thousands of miles apart to work in close coordination with each other. Around 100 major companies from USA, Europe and Japan have set up their research, design and development laboratories in India during the past 10 years. Intel's design of superchip to GE's design of aircraft engines gets done in India today. India's advantage of availability of competent and cost effective R&D manpower is getting recognised globally. This session would be devoted to exploring how the opportunities offered by globalisation could best be harnessed.

Session - II: "Setting up and Operation of R&D

1415 -1700 hrs. **Centres in India : Experience of**

Multinational Companies"

There have been profound changes in industrial R&D scenario in India during the last 10 years. A number of multinational firms have set up large R&D centres in India. Examples are General Electric, Oracle India, Intel, Motorola India, Adobe India, etc. We would like this list to grow further. It is time that we hear from multinational firms about the problems and the hurdles they might have faced when they

first came to India and about their experience of R&D in India. This session is devoted to presentation by multinational R&D centres about their experience in India.

11 November 2003

Session - III: "Design & Engineering: Future Prospects"

0945-1200hrs.

Design and engineering for manufactured products entails working concurrently on hundreds of sub-systems and thousands of components. Automobiles and consumable durables have to undergo stringent testing, safety evaluation and energy audit. Hardware design is, therefore, a complicated process. Advances in computer software and communication technologies have made it possible that design teams across the world can work simultaneously on some product or systems. This has tremendous implication for India. Already leading engineering companies, such as GE, QUEST, etc. have set up large design centres in India. A number of Indian firms are designing new state-of-the-art hardware. We have a good assortment of representatives of Indian and multinational design and engineering firms, who will share their vision on the future growth of this sector in India.

1245-1330 hrs. **Valedictory Session**

Venue

FICCI Golden Jubilee Auditorium, Tansen Marg, New Delhi

Delegate Fee

Rs. 3000/- per delegate. Cheque /Demand Draft to be made in favour of Federation of Indian Chambers of Commerce & Industry, New Delhi. The fee covers registration, tea/coffee/ lunch, background notes and Conference Proceedings on their publication.

Information and Registration

For further information regarding the Conference, write to;

Shri Jagdish Singh

Scientist-G and Head(RDI)

Department of Scientific & Industrial Research

Technology Bhavan, New Delhi-110016

Phone : 26960171

Fax : 2696 0629

For registration, write, enclosing the registration form, to:

Dr. Aditya Trivedi

Joint Director

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Federation House, Tansen Marg,

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Phone : 2373 8760-70,2335 7389

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**Dr. Aditya Trivedi
Joint Director
Federation of Indian Chambers of Commerce & Industry
Federation House, Tansen Marg
New Delhi-110 001**

**17th National Conference on
In-house R&D in Industry
10 -11 November 2003**

Registration Form

Name

1. _____

2. _____

3. _____

4. _____

Cheque / DD for _____

Signature _____

Name _____

Date _____

Fax _____

Designation

(Rs.3000/-delegate) in favour of FICCI is enclosed.

Company _____

Address _____

Phone _____

Address/ Phone/ Fax
