

VIGYAN PRASAR

(An autonomous organisation under the Department of Science & Technology,
Government of India)

ANNUAL REPORT 2008-2009



Vigyan Prasar

A-50, Sector 62, Institutional Area
NCMRWF Building, NOIDA

Vigyan Prasar Vision

Vigyan Prasar would continuously strive to emerge as an Institution for Capacity Building in Science Communication and as the Central Node for Knowledge Resource Networks for Science dissemination and popularization among people in the country.

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Director's Report

I am happy to present this report on programmes and activities undertaken by Vigyan Prasar during the period April 2008 to March 2009.

Over the years, Vigyan Prasar has established itself as a central node and a leading resource-cum-facility centre in the field of science and technology (S&T) communication in the country. Today, Vigyan Prasar is regarded as a leading institution for development and dissemination of high quality software on S&T communication. In particular, its efforts at production and airing of the science programmes on radio and television, publications, and utilization of modern technologies for spreading science among the masses are highly appreciated.



Since May 2005, Vigyan Prasar has been continuously producing and airing science programmes on Doordarshan on Sundays at 0900 hours on National Channel - initially in collaboration with Development and Educational Communication Unit, ISRO; and now on its own. Some of the highly acclaimed television serials telecast this year included a science quiz *Jigyasa*, and a serial on common ailments and medicines *Jeete Raho*. On air at present is a serial *Kahani Dharti Ki* - the Story of Planet Earth - produced as part of the International Year of Planet Earth 2008. The popular serials telecast earlier are being dubbed into eleven Indian languages for transmission on DD Direct satellite channels and the regional Doordarshan Kendras. As part of the International Year of Astronomy 2009 (IYA 2009), efforts are underway to produce a serial on astronomy.

Considering the wider reach of radio, Vigyan Prasar has been collaborating with All India Radio extensively over the last few years. Vigyan Prasar produced a 56-episode radio serial on Planet Earth, the broadcast of which began in January 2008 in 19 Indian languages from 117 stations of All India Radio, and continued till January 2009. The serial has proved to be quite popular among the school children and the general public, as judged from the huge number of responses. Next, a serial on Astronomy was produced on the same pattern, the broadcast of which would began from April 2009. The daily broadcast on WorldSpace satellite digital radio in English and Hindi continued uninterrupted for the seventh year. Broadcast of science

programmes on the Gyan Vani FM channel of IGNOU is continuing for the past four years. Of late, Vigyan Prasar has been making available its audio programmes for broadcast on the community radio stations that have sprung up in large numbers in different parts of the country.

The number of the titles brought by Vigyan Prasar has swelled to over 200. Vigyan Prasar brought out 13 titles on different aspects of the Planet Earth in English and Hindi during the current year. These titles along with the title *The Mysterious Moon and India's Chandrayaan Mission* received a high level of appreciation, and were reviewed extensively. *Dream 2047*, the bilingual popular science monthly magazine of Vigyan Prasar with a circulation of over 52,000, continues to draw appreciation from all parts of the country. VP has initiated efforts to bring out a series of titles on astronomy as part of IYA 2009.

Vigyan Prasar's Edusat Network is extensively utilized for S&T awareness and training programmes that are interactive in nature. The hardware and the software at the 50 Satellite Interactive Terminals (SITs) of Vigyan Prasar Edusat Network has been upgraded. Vigyan Prasar's website continues to register over 1000 hits every day. Its digital library with facility for free download of its software is frequented by a large number of visitors everyday. Vigyan Prasar's Network of Science Clubs has over 10,000 club members, and the number continues to grow. Second edition of innovative experiments in physics with over 100 activities at school level has been developed, which is available in the form of a DVD.

Dr. Subodh Mahanti received the prestigious award, the *Atma Ram Puraskar*, for original science writing in Hindi. The award was presented by the Hon'ble President of India.

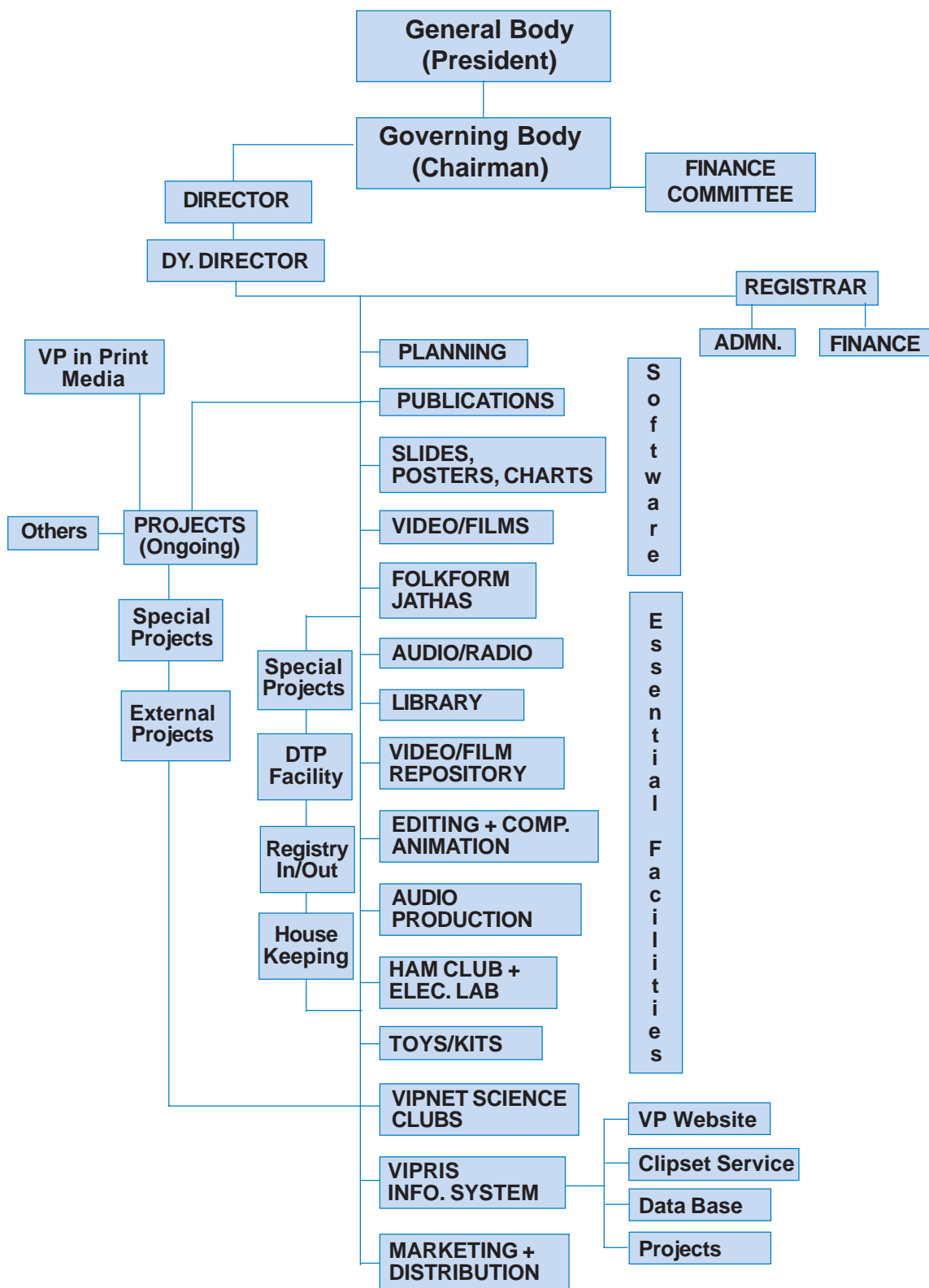
Vigyan Prasar continues to collaborate on programmes and activities of mutual interest with Government and non-Government organizations. Collaboration and joint activities with institutions and organisations like the Indian Institute of Technology (Kanpur), AV-Code, and Gujarat Science City are especially noteworthy.

What are described above are only the highlights of what Vigyan Prasar has achieved during the year 2008-2009. More details can be found in the following pages. I record my appreciation for the entire Vigyan Prasar team for accomplishing all that has been described here.

I record my gratitude for the whole-hearted participation of all the members of the Governing Body and the General Body in the activities of Vigyan Prasar. But for their inspiration and encouragement in various endeavours, accomplishments of Vigyan Prasar would not have as far-reaching as they have been.

(Vinay B. Kamble)

VIGYAN PRASAR (ORGANISATIONAL CHART)



COMPOSITION OF GENERAL BODY / GOVERNING BODY*

- | | | |
|----|---|-----------------------------|
| 1. | <p>Shri Kiran Karnik
President, NASSCOM &
Former CEO, Discovery India
Q-2-A, Hauz Khas Enclave
New Delhi – 110 016</p> | President of
the Society |
| 2. | <p>Dr. T Ramasami
Secretary
Department of Science & Technology,
Technology Bhavan,
New Delhi – 110 016</p> | Chairman,
Governing Body |
| 3 | <p>Director General
All India Radio
Akashvani Bhavan, Sansad Marg
New Delhi - 110001</p> | Member |
| 4. | <p>Prof. A.N. Maheshwari
A-193A, IInd Floor, Block-A,
Sushant Lok-1
Gurgaon-122 009, Haryana</p> | Member |
| 5. | <p>Prof. Madhav Gadgil
Agharkar Research Institute
Gopal Ganesh Agarkar Road
Pune 411 004, Maharashtra</p> | Member |
| 6. | <p>Prof. J. S. Yadava
D-7 / 7490, Vasant Kunj
New Delhi 110 070</p> | Member |
| 7. | <p>Dr. G. P. Phondke
5, Ragini, Sahitya Sahawas,
Bandara East
Mumbai 400051, Maharashtra</p> | Member |
| 8. | <p>Professor Amit Roy
Director
Inter-University
Accelerator Centre
Aruna Asaf Ali Marg
New Delhi 110 067</p> | Member |

- | | | |
|-----|--|--------------------|
| 9. | Shri A.K. Baruwa
Former Director
Assam Science Technology and
Environment Council (ASTECC)
BC-3, Prestige Elite, Gitali Path
Zoo Narangi Road
Guwahati 781 020, Assam | Member |
| 10. | Shri B. S. Bhatia
19, Amrashirish Bungalow,
Prahlad Nagar,
Vegal Pur,
Ahmedabad 380 015 | Member |
| 11. | Director General, Doordarshan
Mandi House,
Copernicus Marg
New Delhi – 110 001 | Member |
| 12. | Director General
National Council of Science Museums,
Block-GN, Sector-V,
Bidhan Nagar
Kolkata 700 091 (W.B) | Member |
| 13. | Shri K P Pandian
Jt. Secretary & Financial Adviser,
Deptt. of Science & Technology
Technology Bhawan
New Delhi 110 016 | Member |
| 14. | Dr. V. B. Kamble
Director
Vigyan Prasar
A-50, Sector 62,
NCMRWF Building
Instt. Area, NOIDA | Member - Secretary |

* The Compositions of the Governing Body and General Body are same except that Shri Kiran Karnik, President of the General Body, is not a member of the Governing Body.

COMPOSITION OF FINANCE COMMITTEE

1. **Dr. T. Ramasami** Chairman
Secretary
Department of Science & Technology,
Technology Bhavan,
New Delhi – 110 016
2. **Prof. A.N. Maheshwari** Member
A-193A, IInd Floor, Block-A,
Sushant Lok-1
Gurgaon-122 009, Haryana
3. **Shri K. P. Pandian** Member
Jt. Secretary & Financial Adviser,
Department of Science & Technology,
Technology Bhavan,
New Delhi – 110 016
4. **Dr. V. B. Kamble** Member - Secretary
Director
Vigyan Prasar
A-50, Sector 62
NCMRWF Building
Instt. Area, NOIDA

Highlights

- ❖ VP in association with DECU, ISRO has been telecasting a weekly science programme on Doordarshan on Sunday mornings. During the year 2008-09, a 26-part quiz programme “Jigyasa” was telecast between April 2008 and October 2008. Subsequently a 12-part video serial titled ‘Jeete Raho’ based on common ailments and medicines was telecast till January 2009. Since February 2009, a 26-part video serial titled ‘Kahani Dharti Ki – Story of Planet Earth’ is being telecast.
- ❖ A 52-episode radio serial ‘Dharti Meri Dharti’ produced on the occasion of International Year of Planet Earth – 2008 was broadcast in 19 Indian languages from 117 stations of AIR through out the country. The broadcast of the serial began in January 2008 and continued till January 2009. The serial was produced in collaboration with All India Radio and received very good response.
- ❖ An interactive multimedia CD on “Fun with Physics” was brought out by Vigyan Prasar.
- ❖ VP organized workshops, training programmes, lectures on Edusat Network during the year. Science films produced by Vigyan Prasar were multicast during the period. Around 5000 people were trained through these programmes.
- ❖ As a part of the International Year of Planet Earth - 2008, under the collaborative programmes and activities with other agencies, institutions and organizations, five training programmes were organized from September to December 2008 in different parts of the country. The programmes were organized in association with National

Council of Science & Technology Communication, DST and host agency.

- VP brought out twenty new titles in English and Hindi during the period as part of its publication programme.
- VP organized training and orientation programmes for VIPNET club members, teachers, students in different parts of the country.

Introduction

Vigyan Prasar was set up by the Department of Science and Technology, Government of India, as an autonomous registered Society in 1989 for taking up large-scale science popularization tasks. The primary objective of Vigyan Prasar is to promote and propagate—as widely as possible—a scientific, rational outlook in society. To achieve this, Vigyan Prasar would continuously strive to emerge as an institution for capacity building in Science Communication and as the Central Node of Knowledge Resource Networks for Science Dissemination and Popularization among people in the country. The broad objectives of Vigyan Prasar may be summarized as follows:

OBJECTIVES

- ❖ To undertake, aid, promote, guide and co-ordinate efforts in popularization of science and inculcation of scientific temper among the people and to increase the knowledge, awareness and interest about science and technology among all segments of the society.
- ❖ To provide and promote effective linkages on a continuing basis among various scientific institutions, agencies, educational and academic bodies, laboratories, museums, industry, trade and other organizations for effective exchange and dissemination of S&T information.
- ❖ To undertake development of materials—audio, visual, audio-visual and printed—methods and modes of communication, so as to enable the masses to better understand, appreciate and comprehend abstract scientific principles and practices.
- ❖ To organize research work, courses, workshops, seminars, symposia, training programmes, fairs, exhibitions, film-shows, popular discussions, street plays,

quizzes, song-dance-dramas etc., in furtherance of the objectives of the Society.

- ❖ To participate in trade fairs, exhibitions and other mass fora as well as to develop syndicated features and to contribute periodically to newspapers, magazines and journals in order to disseminate and create awareness on issues of science and technology.
- ❖ To undertake the design, development and construction of models, exhibits and other relevant instruments for hands-on visual and other modes of communication.
- ❖ To institute and award fellowships, stipends, prizes, medals and other incentives.

PROGRAMMES / ACTIVITIES DURING 2008-2009

Science Programmes on Television

VP in association with DECU, ISRO has been telecasting a weekly science programme on Doordarshan on Sunday mornings. A 26-part serial “Jigyasa”, a quiz programme was telecast between April 2008 and October 2008. Subsequently a 12-part video serial titled ‘Jeete Raho’ based on common ailments and medicines was telecast till January 2009. Since February 2009 telecast of a 26-part video serial titled ‘Kahani Dharti Ki –



A scene from TV serial “Jigyasa”- a quiz programme telecast on DD National

Story of Planet Earth’ began. VP received very good response from the audience. About 1500 emails and letters were received every week including a few from Pakistan appreciating the programme. After the completion of the ‘Kahani Dharti Ki’, it is scheduled to telecast a 26 part video series on the theme of Astronomy, titled “Taron Ki Sair” – as part of the International Year of Astronomy - 2009.

- ❖ Dubbing of 13-episode TV serial of “Dekh Khel Ke”, 14 episode of “Jeete Raho” and 12-episode of “Our Celestial Neighbours” in 11 Indian languages was completed. The language versions are being telecast through the regional Kendras of Doordarshan.
- ❖ Production of a three part video serial on “Eclipses” was commissioned on the occasion of Total Solar Eclipse - 2009.

- ❖ Production of a 13 part video serial – “Razz Ki Baat” using simple demonstrations and experiments to explain and illustrate basic scientific themes has been initiated in collaboration with AV-CODE, Ahmedabad.



Scenes from “Jeete Raho” telecast on DD National

- ❖ Production of a 26-part TV serial on Astronomy titled ‘Taron Ki Sair’ has been commissioned. The telecast of the serial would begin in September 2009.

Science Programmes on Radio

- ❖ A 52-episode radio serial ‘Dharti Meri Dharti’ produced on the occasion of International Year of Planet Earth – 2008 was broadcast in 19 Indian languages from 117 stations of AIR through out the country. The broadcast of the serial began in January 2008 and continued till January 2009. The serial was produced in collaboration with All India Radio and received very good response. The interactivity of the serial was ensured by asking two questions at the end of each episode in each language. The database of the winner is being maintained and prizes in the form of books and other software are also sent periodically.
- ❖ VP in association with All India Radio has initiated production of a 52-part radio serial on the theme Astronomy titled “Sitaro Se Aage”, as part of the International Year of Astronomy 2009. Voluntary agencies such as Kerala Sastra Sahitya Parishad, Tamil Nadu Science Forum, Jana Vigyana Vedika, Karnataka Rajya Vigyana Parishad, National Centre, Science Communicators, Vikram A. Sarabhai Community Science Centre, BGVS Punjab, Assam Science Society, ASTEC, Science Communicators’ Forum, and Srujanika were associated in preparation of the language versions of the scripts. VP developed the master versions in Hindi and English. The broadcast of the programme would commence from April 2009.

Science Communication on WorldSpace Radio

VP broadcast science programmes daily for more than seven years on Asiadev Channel of WorldSpace Radio for one hour (30 minutes Hindi and 30 minutes English) six days a week.

Science Communication through Gyan Vani FM stations

VP's programmes were regularly broadcast twice a week from the Gyan Vani FM Radio Stations at Allahabad, Ahmedabad, Bangalore, Bhopal, Kanpur, Lucknow, Nagpur, Jaipur, Varanasi, Rajkot, Raipur, Jabalpur, Patna, Kolkata, Shillong, Guwahati, Hyderabad, Vishakhapatnam, Mysore, Indore, Goa, New Delhi, Chennai and Coimbatore.

Networking through Edusat Interactive Terminals

- ❖ VP in association with DECU, ISRO has established a network of 50 satellite interactive terminals using the Edusat at different places in the country for science communication and transmits programmes to all States and UT. The system is being primarily used for S&T communication/ popularization which could also serve as an emergency communication network during and after natural disasters. Multicasting of science programmes - both on awareness and capacity building - is continuing regularly for over three years.



Demonstration of hands-on-activity during summer camp on Edusat Network

- ❖ During the period, fourteen popular science lectures were organised on Edusat Network from December 2008 to March 2009. In January 2009, a quiz competition on Planet Earth was held on Edusat Network. Two workshops on "Science Writing through Distance Education" were organized in February 2009 for the S.I.T participants. Three training programmes on Astronomy were conducted during the period. A group discussion on 'Women's Health and Nutrition' was organized. A seminar on "Technology for Self-Help Group Women" was held on the occasion of the International Women's Day (8 March). Science films produced by Vigyan Prasara were also multicast during the period. Around 5000 people were trained through these programmes.



A seminar on "Women and Health" on Edusat Network

- ❖ A special series of multicast sessions on “Chandrayaan” in Marathi, Bengali, English, Tamil and Hindi was organized to meet the demand from the users. During the summer holidays between May 19 to June 10, 2008, a series of activity based sessions were organized for children and teachers. In total 16,280 beneficiaries were reached directly.
- ❖ The Edusat system was closed down between 15 June and 10 December 2008 for technical upgradation. The HUB that was until now in Ahmedabad was shifted to IGNOU, New Delhi and VP’s network was integrated to this local HUB. During 10 and 25 December 2008 technical check of the SITs were carried out. Edusat studio was upgraded and the installation of the new systems began in March 2009.
- ❖ Troubleshooting in various SITs was attended to during the year as and when required. The whole network has been placed under the comprehensive AMC with M/s Infinium, Ahmedabad. Regional meetings-cum-training programmes were organized to train the staff at field centres to operate the Satellite Interactive Terminals, as well as to review the utilization in the last one year.

Vigyan Prasar Information System (VIPRIS)

VP Website

Digital Library

Digital Library has become very popular. Within two years after its launch by Vigyan Prasar, number of registered users has already crossed five thousand and number of hits is over 1,50,000 for digital library . User profile shows that over 50% of the users are students.

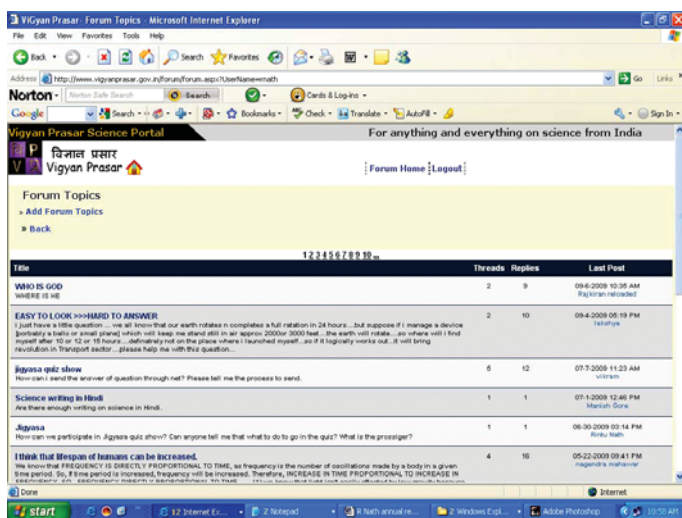
All the VP publications are now available in electronic format. Anyone can read online/take printout by online registration with Vigyan Prasar.

Streaming Video/Audio

Every fortnight three science videos were uploaded for streaming video. Apart from these, the science serials produced by Vigyan Prasar for radio and TV are available for free downloading.

Discussion Forum

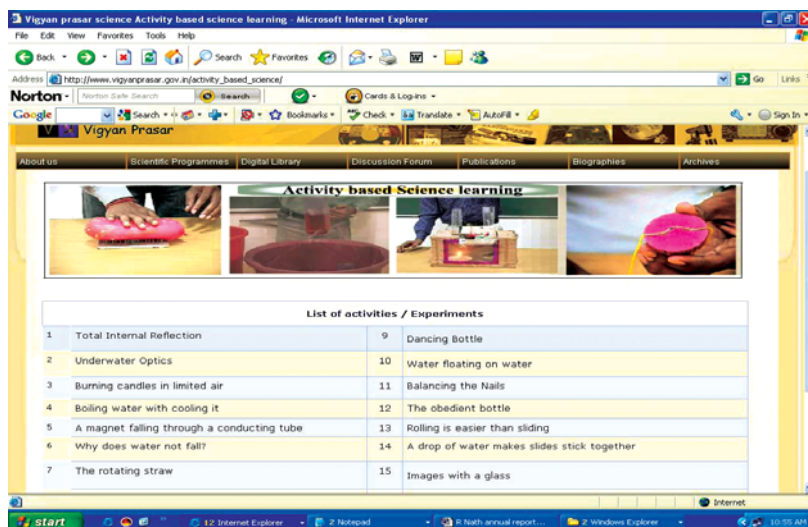
Discussion Forum of VP website is e-platform where anyone can ask scientific questions or answer fellow participants' queries. As on March 2009, there were about 200 active topics with multiple sub-topics. In a month, about 500 participants actively participate in the discussion forum. Over 70% of the users are students.



Screen shot - Discussion Forum

Activity based science learning

Experiments/activities developed in collaboration with IIT Kanpur are available in VP website. Video clippings are also provided.



Screen shot – Activity based science learning

Hindi version of the website

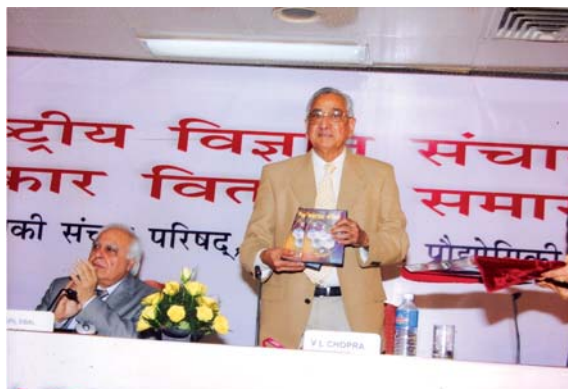
Hindi website is being updated regularly. All the information is available both in Hindi and English.

Online Chat Sessions

VP conducted six live chat sessions on Vigyan Prasar’s website during the period. Details of the chat sessions are as follows:- 1) Dr. Himanshu Pathak, Indian Rice Research Institute, New Delhi, on the topic “Nutrients and Water Management in Rice and Wheat Production” 2) Prof. Kaushal Kumar Sharma, Department of Geography, University Of Delhi, on the topic “Climatic Changes and Human Adaptations in the Mountain Regions” 3) Shri B.R Guruprasad, Public Relation Officer, ISRO, on the topic “CHANDRAYAAN -1. India’s First Scientific Mission to the Moon” 4) Dr. Atma Ram Jain, visiting ISRO scientist at National Physical Laboratory, New Delhi, on “Present Scenario in Atmospheric Sciences in India”.

Development of Interactive CD-ROM

An interactive multimedia CD on “Fun with Physics”, brought out by Vigyan Prasar was released by Padma Bhusan Dr. V. L. Chopra, Member (Science, Technology & Environment) Planning Commission during the National Science Day Celebration on 27 February 2009 at Technology Bhawan, New Delhi. Present on the occasion were Hon’ble Union Minister for Science & Technology and Earth Sciences Shri Kapil Sibal and Dr. T. Ramasami, Secretary to the Government of India, Department of Science and Technology.



Release of the CD “Fun with Physics” on National Science Day-2009

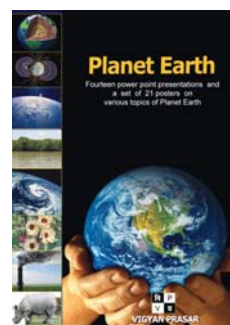
- ❖ The CD contains 30 novel experiments/ activities on different concepts of Physics along with video clipping of the actual activities. The experiments are aimed at students and teachers of class VI to X. The



CD on “Fun with Physics” in Hindi & English

experiments were jointly developed by Department of Physics, Indian Institute of Technology, Kanpur and Vigyan Prasara. A majority of the experiments could be performed using commonly available objects/equipment. The CD is available both in Hindi and English.

- ❖ The Hindi version of the CD on “Optics” has been developed. The CD was initially made in English with 40 experiments on Optics. The Indian Association of Physics Teachers has shown interest to buy the CD (Hindi and English) in bulk for distribution.
- ❖ A CD containing 14 PowerPoint presentations on various topics of “Planet Earth” was brought out on the occasion of ‘International Year of Planet Earth – 2008’. The CD was extensively used for training programmes organized during International year of Planet Earth-2008.



CD on Planet Earth

Development and Maintenance of Websites of DST

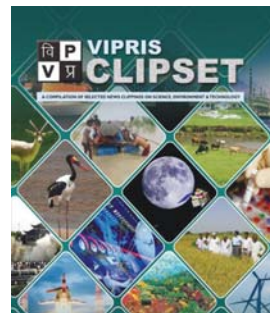
VP continued with the development and maintenance of websites of various divisions of the Department of Science & Technology; viz. International Division, NSTMIS, SERC, Science and Society, Good Laboratory Practices (GLP) programme, and Indian Women Scientists.



Screen shot of NSTMIS website of DST maintained by VP

VIPRIS Clipset

24 issues of news clipping service “VIPRIS Clipset” was brought out during the year 2008 – 2009.



The cover page of VIPRIS Clipset

Popular Science Lectures

Vigyan Prasar organized seven popular science lectures jointly with National Science Centre, and Nehru Planetarium New Delhi. The details of the lectures are:-

- ❖ Shri Alok Mukherjee, National Physical Laboratory, New Delhi, delivered a lecture on the topic “Endangered Earth – Impact of Climate Change”.



Popular science lecture at National Science Center, New Delhi on Environment Day 5 June, 08

- ❖ Dr. D.C. Upreti, Emeritus Scientist, Indian Council of Agricultural Research, New Delhi delivered a lecture on the topic “Rising of Green House Gases and their impact on Crops”.

- ❖ Professor Madhav Gadgil, Emeritus Scientist, Agharkar Research Institute, Pune delivered a lecture on the topic “Butterflies – The Beauty and the Beast”.

- ❖ An interaction with Professor Yash Pal and school students of Delhi was organized, as part of the lecture programme.

Three lectures were organized jointly with Nehru Planetarium, New Delhi, as part of the International Year of Astronomy 2009. The lectures were on;

- ❖ “Galileo, the Scientist and the Man” by Professor P R Vishwanath, Professor, Indian Institute of Astrophysics, Bangalore,
- ❖ “The Radio Universe and the GMRT” by Professor D J Saikia, Professor, National Centre for Radio Astrophysics, Pune
- ❖ “On the Origin of Our Universe” by Professor Tom Gehrels, University of Arizona, USA.

Scientific Experiments Using a PC

Vigyan Prasar is engaged in the development of new training modules/methodologies/equipment/ devices for S&T communication. Scientific Experiments using Computer is a novel effort to explain to the students how computer is useful in measuring and controlling physical parameters and processes.



Demonstration of the kit on Scientific Experiments using a PC

VP has conducted a number of demonstrations and workshops to explain how experiments on measuring and controlling parameters like temperature, intensity of light and sound, humidity etc. could be taken up to illustrate the use of computer in a variety of processes. The kit is being fabricated and marketed by M/s Trinity Microsystems Ltd. M/s Trinity is paying royalty to VP at the rate of Rs1200 per kit.

Innovative Experiments in Physics

- ❖ Vigyan Prasar and Department of Physics, Indian Institute of Technology (IIT), Kanpur, have jointly undertaken a project entitled “Development of Innovative Physics Experiments and Training of Teachers for Experiment Based Teaching”. The project started in June 2008. The objective of the project is to train teachers in using the innovative activities in the classroom while teaching a particular concept. New activities and experiments are also to be developed on a continuous basis.

❖ A national workshop was organized at IIT, Kanpur during 15-20 June 2008 to train teachers in innovative physics activities/experiments. Forty one teachers from eleven states/ union territories attended the workshop. Professor Kripa Shankar, Deputy Director, IIT Kanpur, was the Chief Guest at the inaugural function. Prof. Shankar enumerated the efforts by IIT, Kanpur to reach the community and appreciated the joint effort of Vigyan Prasar and Department of Physics, IIT Kanpur in disseminating innovative experiment based science learning. During the workshop, 112 experiment/activities were performed and discussed. Twelve resource persons helped participants throughout the workshop in doing hands-on activities. About 30 experiments were demonstrated by the participants. All the participants were given one Physics kit and CD entitled “Innovative Experiments in Physics”. The participants were taken around different laboratories of the Department of Physics, IIT Kanpur where experts explained the working of many sophisticated instruments.



Participants attending the workshop on Innovative Experiments in Physics at IIT Kanpur

Vigyan Prasar Newsletter ‘DREAM 2047’

‘Dream 2047’, the monthly popular science magazine of VP is being published regularly. The print run at present is more than 52,000. The articles covered in the Newsletter during the year were:

Editorials:

Unending war with microbes; Smashing particles to understand the universe; Climate change and health; Chronic lifestyles chronic diseases; Feeding the hungry; A case of Nuclear Energy; Aiming for the Bull’s Eye; Destination Moon; From Spyglasses to Space Telescope; Living with Cancer; Survival of a Theory through Natural selection; Preserving Astronomical Heritage.



Cover Page of “Dream 2047”

Articles:

Atma Ram : A Pioneer of glass technology in India; Blood Pressure: Getting down to the brass tacks; New 'Solar Systems' Discovered by Microlensing; Early bats couldn't find their way in the dark; Why are short columns more prone to damage?; Arthur Charles Clarke: A visionary science fiction writer; Understanding high blood pressure; Reducing soot to control global warming; Titan's underground oceans; Life ingredients from space; Jnanendra Nath Mukherjee: Pioneer of colloid chemistry; Chandrayaan – 1 India's Moon Mission; The uneasy mind: Generalized anxiety disorder; Can the LHC spawn a black hole?: Weak rivets caused the Titanic disaster; How to reduce earthquake effects on a building; John Napier: The inventor of logarithms; Insulin treatment in diabetes; Phoenix lands on Mars; Hydroxyl molecule detected in venusian atmosphere; Nanomaterials may cause cancer; Matching genes to drugs; Cholesterol gallstones; The office fitness drill: ways to break free of that stiff as a board feeling; Nanopaper if tough; Stem cell therapy for brain; Bacteria can foresee the future; Pluto becomes a plutoid; Global warming making plant species moves higher; Christiaan Huygens: Founder of the Wave Theory of Light; The Potato Story; Tormenting Thoughts, Bizarre Acts: Obsessive Compulsive Disorder; Fred Hoyle: The most versatile Astrophysicist of the 20th Century; Science, Technology and Transition to a knowledge Society; Making objects invisible; Management of Obsessive Compulsive Disorder; Martin Ryle: A Pioneer of Radio Astronomy; Food and Drug Interactions during Medication; The Infernal Intoxication Alcoholism; August Kekule: Founder of Structural Organic Chemistry; Nanotechnology in Computer Evolution; OSDD – A new paradigm in affordable and inclusive healthcare; Alcoholism: Recognizing When You Are Hooked; Jacobus Henricus Van't Hoff: The first Nobel Laureate in Chemistry; Nutraceuticals in Health and Disease Prevention; Drunkenness: Effects on Body, Withdrawal Signs and Treatment; Svante August Arrhenius: Founder of the Electrolytic Theory of Dissociation; Darwin's Legacy and Modern Science; New Year came a second late....; The Hanging out Womb : All you want to know about; Hipparchus of Rodes: The greatest Astronomer of the Antiquity; The Scientific Temper; Green Revolution in Bioscience; Tobacco: Accursed Leaf, Internal Smoke.

Regular Columns in the Newsletter

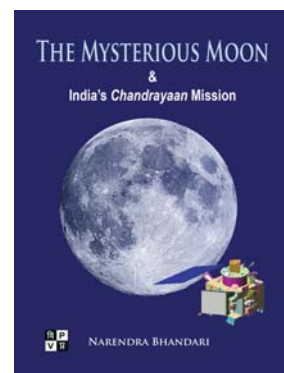
- ❖ Mediscape
- ❖ Recent Developments in Science and Technology
- ❖ Vigyan Prasar News
- ❖ Sky Map

VP has started new column 'Your Opinion' in the newsletter. Every month one topic is put forward for the reader's opinion. Excerpts from best two/ three opinions are published along with the name, address and photograph of the responder. A few topics of the 'Your Opinion' given in 'Dream 2047' are: 'India plans to send a manned mission to space in near future, will this mission benefit Indian Science & Technology', 'As individuals, are we doing enough to lessen the effects of Global Warming?', 'Do our science students get enough hand-on experience in school to motive them to take up higher studies and a career in Science'?

Publication Programme

The following books in English were brought out during the period under report:

- ❖ W5H of Science Dr. Rakesh Mohan Hallen
- ❖ W5H of Technology by Dr. Rakesh Mohan Hallen
- ❖ Genetics in Heaven by Debi P Burma & Maharani Chakravorty
- ❖ To Reach the Star or Dig the Earth by Prof. G Padmanabhan
- ❖ A Hand book of Fishes by Nilesh Heda
- ❖ A Hand book on Dragon flies by KA Subramanian
- ❖ Mysterious Moon & India's Chandrayaan Mission by Dr. Narendra Bhandari



The following books in English were reprinted during the period under report:

- ❖ Seeing is not always Believing
- ❖ Hands on by Arvind Gupta
- ❖ Origami : Fun & Mathematics by V S S Shastri
- ❖ Fun & Science at Home by L S Kothari & Jyoti Bhansali
- ❖ Why the Sky is Blue
- ❖ Pumps from the Dumps

The following books in Hindi were brought out during the period:

- ❖ Suno Taare by Usha Srinivasan
- ❖ Mera Dost Mr Leaky by J B S Haldane
- ❖ Understanding Asthma by Dr. S K Sharma (Hindi version)

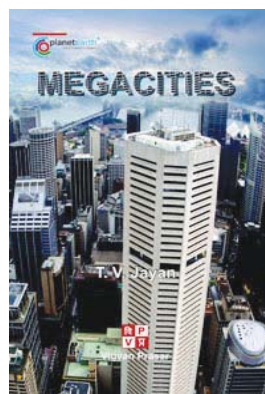


Reprints of the following books in Hindi were brought out during the period:

- ❖ Prakriti Ki Prayogshala by Nikhil Mohan Pattanaik and Pushpshree Patnaik
- ❖ Cycle ki kahani by Vijay Gupta
- ❖ Kyon aur kaise by Parth Ghosh
- ❖ Aakash darshan ka anand by Rakesh Popli
- ❖ Khel khel mein khiloune by Arvind Gupta
- ❖ Sach to kuchh aur hai by Narendra Sehgal
- ❖ Patton ka chidiyaghar by Arvind Gupta

The following thirteen titles in Hindi & English on various themes of Planet Earth were brought out during the period:

- ❖ Water by P S Dutta
- ❖ The Violent Earth - Earthquake/Tsunami/Volcanoes by S. Mahanti
- ❖ Snakes by Sukanya Dutta
- ❖ Mangroves by R Panneerselvam
- ❖ Mountains Under Siege by Hassan Jawaid Khan
- ❖ Planet Earth in a Nutshell by Biman Basu
- ❖ Life on Earth by Sukanya Dutta
- ❖ Deserts : The Driest Place on Earth by S Mahanti
- ❖ Weather Riddle by Biman Basu
- ❖ Earth's Changing Climate by Biman Basu
- ❖ Bamboo by D C Baruah
- ❖ Global warming and Health by Alok Mukherjee
- ❖ Mega cities by T V Jayan



VP has undertaken publication of following titles on various themes of Astronomy on the occasion of International Year of Astronomy 2009:

- ❖ Planetary Motions by J N Desai, N M Ashok and V B Kamble
- ❖ An introduction to Astronomy by Prof. J N Desai
- ❖ Development of Astronomy through the Instruments by Shri Biman Basu
- ❖ A publication based on V B Kamble's editorials in Dream 2047 on topics related to Astronomy
- ❖ Biographies of great astronomers based on Subodh Mahanti's articles in Dream 2047
- ❖ Projects in Astronomy by Dr. Arvind C Ranade
- ❖ The Eyes on the sky : The story of Telescopes by Dr. Biman Nath

Sasta Sahitya Mandal has agreed to publish following ten titles for further distribution

- ❖ Anguthe Ki Chaap
- ❖ Iodine Namak
- ❖ Fermi Ki Prashan Ya Anumaan Lagane Ki Kala
- ❖ Grahan Mithak aur Yatharth
- ❖ Charles Darwin ki Aatmakatha
- ❖ Rasayan Vigyan ki Kahani
- ❖ Dilli Lauh – sthambh
- ❖ Cycle Ki Kahani
- ❖ Prakriti ki Prayogshala
- ❖ Bhoutiki ki Kahani

- ❖ Sasta Sahitya Mandal, the publisher which started under the blessings of Mahatma Gandhi by G D Birla, Jamnalal Bajaj is a trust and the present Chairman is former Chief Justice of India P N Bhagawati. Vigyan Prasar had earlier published many such titles through private publishers for distribution.

- ❖ Vigyan Prasar has commissioned two projects for documenting the efforts of science popularization during 1850–1950 in Marathi and Oriya.

Activity Kits – Workshops and Demonstrations

- ❖ Vigyan Prasar has developed two activity kits on ‘Biodiversity’ and ‘Weather’. The ‘Biodiversity’ kit comprises around 51 hands-on activities illustrating scientific principles and the natural phenomena and processes, which are self explanatory. The scientific concepts, information and principles, phenomena and dynamics of natural processes relating Biodiversity can be studied /learnt through the



Activity kits “Biodiversity & “Weather” developed by Vigyan Prasar

hands-on activities given in the kits. This was developed as a part of Planet Earth programme of VP.

The 'Weather' kit consists of 31 hands-on activities illustrating scientific principles and the natural phenomena and processes. The scientific concepts, information and principles, phenomena and dynamics of natural processes relating to Weather can be understood using the activities given in the kits. This was also developed as a part of Planet Earth programme of VP.

- ❖ A demonstration of 'Electronics kit' was given to the students of Bal Bharti School Ghaziabad (UP) on 1 May 2008. Around 50 students from different schools of Bal Bharti of NCR region participated in this programme.
- ❖ Three workshops on activity kits developed by VP were conducted for students during summer camp organized by Vigyan Prasar and National Rail Museum, New Delhi on 23 May, 30 May and 6 June 2008. In this programme around 200 students participated.
- ❖ A workshop on 'Fun with Electronics' was conducted on Edusat network of Vigyan Prasar for all the SIT's during 26 to 29 May 2008.
- ❖ A lecture cum demonstration programme was organized for the students of Apollo International School, Sonapat, Haryana at Vigyan Prasar Noida on 22 July 2008.
- ❖ A lecture-cum-demonstration programme on activity kits developed by VP was organized for science teachers of MP region at Institute for Training and Research at Piploda, Ratlam (MP) during 26-28 September 2008. 50 government school teachers from Ratlam, Mansor, and Ujjain participated in the programme.
- ❖ A workshop on science activities was organized for students during 14-20 November 2008 at National Book Trust, New Delhi. Around 500 children from different schools of Delhi participated in this workshop.

- ❖ A lecture-cum-demonstration programme utilizing ‘Earthquake Kit’ developed by VP was organized for science teachers/ coordinators of Eco-clubs of Delhi region during workshop on science and technology, conducted by Ministry of Environment, NCT Delhi at Pragati Maidan, New Delhi on 17 December 2008.



Demonstration of Activity kits at New Delhi

- ❖ A demonstration programme on ‘Astronomy Kit’ developed by VP was organized for Resident Welfare Society, Kaushambi, Ghaziabad on 10 January 2009. In this programme 170 children and parents from the societies of Kaushambi region participated.
- ❖ Training cum demonstration was given to the local resource persons at an activity corner, Gwalior Mela, Gwalior on “Weather” and “Biodiversity” kits developed by Vigyan Prasar on 17-18 January 2009.
- ❖ VP organized demonstration of ‘Astronomy Kit’ to the students of network of Amity schools, NCR region at Amity International School, Pusch Vihar New Delhi on 19 February 2009.
- ❖ Demonstration programme of activity kits were conducted during workshop on Innovative Physics Experiments at Imphal, Manipur during 25-26 March 2009. Around 120 teachers from different districts of Manipur participated in this programme.



Demonstration of “Weather” kit at Manipur

Ham Radio

- ❖ A lecture-cum-demonstration programme on ham radio as an alternative communication system in Flood Management was organized at Haryana Institute of Public Administration, Gurgaon, on April 8, 2008 during a five day workshop which was attended by senior Government officials from various departments of Haryana State Government.

- ❖ A ham radio demonstration programme was organised at Disaster Management 2008 - An International Exhibition on Disaster Management at Pragati Maidan, New Delhi from April 16 to 18, 2008. The programme was organized under the auspices of National Disaster Management Authority.



An International Exhibition on Disaster Management at Pragati Maidan, New Delhi

- ❖ A kit building workshop on ham radio was conducted from May 26 to May 29, 2008 through Vigyan Prasar's Edusat satellite multicast network where students at participating SIT classrooms were provided live step by step guidance in building low power radio transmitters and information on ham radio licensing for practical long distance communication. Students interacted on different aspects of ham radio and new ham radio digital communication technologies were also demonstrated.
- ❖ A lecture-cum-demonstration programme on ham radio was organized for the students of Apollo International School, Sonapat, on 23 July 2008.
- ❖ A lecture and demonstration programme on ham radio and a workshop on Software Defined Radio was organized at Indian Institute of Technology Guwahati (IITG) from September 5 to 7, 2008.

- ❖ A demonstration of Ham Radio Automatic Position Reporting System (APRS) was given at Army Technology Centre which is a Defense R&D Institute, Delhi Cantt, on 10 November 2008.
- ❖ A lecture and demonstration on new Ham Radio technologies were given to the participants of the "Disaster Management for Revenue Officer" programme held on 11 November 2008 for the Haryana Institute of Public Administration (HIPA), Gurgaon.
- ❖ A lecture and demonstration on new ham radio technologies relevant to Disaster Mitigation were deliberated at Haryana Institute of Public Administration (HIPA), Gurgaon during a training programme on 'Earthquake Management' held from 19-23 January 2009. Officials from Police Department, PWD and Town and Country Planning Organization participated in the programme.

- ❖ VP participated in the "Science for Rural Societies Programme" organized by Centre for Disaster Management, Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussoorie during 01-12 December 2008, which was sponsored by DST.



Ham & Doctor Team inside the Life saving Ambulance during the Desert Storm Car Rally -09

- ❖ A workshop on Ham Radio (Radio Active 2009) was conducted at IIT Kanpur from 12-15 February, 2009 on the occasion of Techkriti – Annual Inter-College Technical festival of IIT Kanpur.
- ❖ VP provided radio communication support during the Desert Storm 2009 Car Rally that took place in the deserts of Rajasthan traversing a distance of nearly 3000 km covering Rann of Kutch and Gulf of Kutch in Gujarat during 17-23 February, 2009.

- ❖ A session on different ham radio technologies was conducted via the Vigyan Prasar Edusat on 26 February, 2009 where live demonstration of different new technologies was given along with presentation and interaction.
- ❖ VP presented talks on different ham radio technologies including practical demonstrations of the following at Indian Institute of Technology Roorkee (IIT Roorkee) on the occasion of "Cognizance 2009" - Annual Technical Festival of IIT Roorkee on 20-22 March 2009.

Vigyan Prasar NETWORK of Science Clubs (VIPNET)

- ❖ “VIPNET NEWS”, VP’s monthly newsletter for VIPNET science clubs was brought out regularly during the period. The newsletter covers interactive and informative articles and activities on biodiversity, nature, environment and various issues of weather, climate, astronomy and related themes. The present circulation of “VIPNET News” stands at 12,000. Duly updated VIPNET database is being maintained and same is also uploaded on website showing State wise details of all registered clubs.



Cover page of the newsletter “VIPNET NEWS”

- ❖ The facility to print the certificate in house has been developed. To all registered clubs, a properly laminated certificate is now issued within one and half month after the receipt of duly filled affiliation form.
- ❖ Constant feedback is being received from a number of VIPNET clubs in the form of letters and queries in response to articles and activities published in VIPNET News. The feedback mechanism is also being used to identify most active clubs for developing them into lead clubs. About 25 clusters have been identified for Planet Earth activities in a number of States.
- ❖ During 2008 – 2009, 1572 new VIPNET science clubs have been affiliated to VIPNET from different parts of the country. New clubs were formed in the states of Delhi, Punjab, Bihar, Maharashtra, Madhya Pradesh, Orissa, Tamil Nadu, Uttar Pradesh, Kerala, Chattisgarh, West Bengal, Rajasthan, Puducherry, Karnataka and Jharkhand. At present VIPNET clubs are present in more than 425 districts of India.



Present status of VIPNET clubs in the country:-

States/UTs	No. of VIPNET Clubs
Andhra Pradesh	138
Andaman & Nicobar	02
Arunachal Pradesh	04
Assam	204
Bihar	1971
Chandigarh	05
Chhattisgarh	291
Delhi	102
Goa	15
Gujarat	217
Haryana	98
Himachal Pradesh	38
J&K	165
Jharkhand	86
Karnataka	44
Kerala	44
Maharashtra	240
Manipur	14
Meghalaya	04
MP	1997
Mizoram	02
Nagaland	02
Orissa	937
Puducherry	05
Punjab	228
Rajasthan	184
Sikkim	36
Tamil Nadu	143
Tripura	33
UP	1043
UT of Lakshadweep	07
Uttaranchal	230
West Bengal	497
TOTAL	9026

VIPNET Orientation Programmes

- ❖ A series of training-cum orientation programme for formation of science clubs was jointly organized by Vigyan Prasar and NYASS Trust in Ahmednagar, Nagpur, Buldhana (Maharashtra) during May 2008. The workshops were the outcome of the orientation programme organized in August 2007 at Pune. Each workshop was attended by 50 teachers from the different schools and colleges. The basic objective of this workshop was to strengthen the network of VIPNET Clubs in Maharashtra and finalize the roadmap of the activities for Planet Earth 2008 and Year of Astronomy 2009.

A VIPNET orientation workshop and science awareness camp for slum children was organized on 30 May 2008 at Bhagirathi Vihar, Delhi with Leaf Foundation (NGO). 60 children participated in the workshop. Children were curious to know the facts of science behind miracles and other phenomena of science.



Slum children during a science awareness camp at Delhi

- ❖ A VIPNET orientation programme for science clubs of Punjab in Chandigarh was organized by VP on 29 July 2008. During this programme, 75 new VIPNET clubs were affiliated to VIPNET.

- ❖ VP organized a VIPNET orientation and training programme on 'Innovative Experiments in Physics' for school teachers from 13 – 15 August 2008 at Agra. About 70 teachers representing various schools, colleges and coordinators of VIPNET Clubs attended the programme. Resource material in the form of CDs, kits, posters etc.



Workshop on Innovative Physics Experiments at Agra

were given to each participant to initiate activity in their own club as part of International Year of Planet Earth – 2008.

- ❖ Two workshops on telescope making were organized in Madhya Pradesh at Bhopal and Gwalior for the VIPNET science clubs from 6 – 10 September, 2008 and from 19 – 23 September, 2008. Around 50 participants were trained in each workshop.
- ❖ Vigyan Prasar in association with Rajiv Gandhi Shiksha Mission (RGSM) organized two orientation programmes for VIPNET Clubs of three-day each during 11 -13 October 2008. About 200 teachers/ shiksha karmis from six districts of Chattisgarh participated in the orientation programmes. The basic objective of these programmes was to develop a long term collaborative association with RGSM by establishing science clubs in the State of Chattisgarh along with formation of new science clubs in the state. During the programme a series of demonstration based on kits and hands-on-activities were organized.
- ❖ The first and the last sensitization programme for formation of VIPNET Clubs in the State of Tamil Nadu was organized at PSGR Krishnammal College of Women, Peelamedu, Coimbatore during February 19 – 20, 2009. The programme was organized jointly with Tamil Nadu S&T Centre, Chennai. In the workshop the participants were oriented for taking up activities by forming science clubs in their school. About 60 teachers representing various schools attended the workshop. Each participant was given a set of resource material in the form of posters, CDs and kits to start the activities in their science clubs.
- ❖ Vigyan Prasar in association with Bharatheeya Vidya Nikethan, Palakkad, Kerala, organized a three day orientation programme at Palakkad during March 18-20, 2009 for the science teachers, representatives of educational institutes and workers of voluntary organizations to initiate VIPNET clubs for organizing activities in the schools in a sustained way. About 70 teachers from various districts of Kerala participated



Three day orientation programme for teachers at Palakkad, Kerala

in the three day orientation programme. The resource material developed by Vigyan Prasar consisting of a set 21 posters, Activity kits (Weather, Bio-diversity and Astronomy) and the CD on Planet Earth comprising 14 Power point presentations were given to each participant.

Astronomy Activities

Occultation of Mars

On occasion of Mars Occultation Vigyan Prasar organized the night sky watch and planet viewing programme for the public of NOIDA and surrounding. The programme was conducted at Cambridge School (Senior Wing) on 10 May 2008. During the programme nearly 300 students and 200 general public witnessed the occultation and planets (Mars and Saturn). The event was viewed through the VP's imported Celestron CGE 1100 telescope and 80 mm refractor. The total programme was from 1900 hrs to 2200 hrs.



Night Sky Watch during Mars Occultation

Astronomy workshop for the VIPNET clubs in different parts of the country

❖ *Astronomy workshop for the VIPNET clubs in Punjab*

Vigyan Prasar in collaboration with Punjab State Council for Science and Technology conducted a five day astronomy workshop for the VIPNET clubs of Punjab. The workshop was conducted from 29 July to 02 August 2008 at Department of Physics, Punjab University, Chandigarh. Nearly 60 teachers from different districts of Punjab have attended the workshop. The objective of workshop was to develop an awareness and enthusiasm towards the astronomy in schools. The different school clubs were selected by the State Council through nominations.



Astronomy workshop for the VIPNET Clubs of Punjab

❖ ***Physics and Astronomy workshop for the teachers of Parbhani district of Maharashtra***

Vigyan Prasasr in collaboration with Socio Economic Development Trust (SEDT) and Govt of Maharashtra (Zilla Parishad, Parbhani) conducted two day workshop on Physics and Astronomy for the 50 teachers from Parbhani district. The workshop was conducted from 19 August to 22 August 2008 at Discovery Science Center, Kerwadi, Parbhani. The objective of workshop was to develop the skill of how to make the Physics and Astronomy more enthusiastic in school going children. The teachers were selected by the Zilla Parishad Parbhani through nominations. During the workshop nearly 50 VIPNET clubs were formed within the district of Parbhani.

❖ ***Astronomy Workshop for the VIPNET clubs of Madhya Pradesh***

Vigyan Prasasr and Science Center (Gwalior) jointly conducted a five day astronomy workshop for 40 teachers from different districts of Madhya Pradesh at Bhopal. The workshop was conducted from 06 – 10 September 2008 at AICUF Ashram, Bhopal. The objective was to develop the enthusiasm towards astronomy in school going children. The teachers were selected by the Science Center (Gwalior) in consultation with Education Department, Govt. of Madhya Pradesh through nominations.



Astronomy workshop for the VIPNET Clubs at Bhopal

Vigyan Prasasr in collaboration with Yuva Vigyan Much (Gwalior) conducted the two astronomy workshops for 50 VIPNET clubs each from Madhya Pradesh. The workshops were organized at Gwalior from 19 September to 23 September 2008 and at Panchmari from 14 to 18 February 2009. The objective was to develop the enthusiasm towards astronomy in school going children. During the workshop each participant was given the 39mm simple refractor telescope for the viewing of astronomical objects. Apart from this, training on the different aspects like, identifying the night sky, use of telescope, demonstration of activity kit, hands-on-activities were part of the workshop.

The Earth and the Sky, Astrophotography and Image Processing

Vigyan Prasar in collaboration with Nehru Planetarium and other organizations organized an International Workshop on ‘The Earth and Sky, Astrophotography and Image Processing’ for amateur astronomers from India and other countries. In this workshop, training on the astrophotography and photometry of astronomical objects were given by the experts. The workshop was from 03 to 06 October 2008 at Nehru Planetarium. Nearly 100 amateur astronomers participated in the workshop.

Lectures and Night Sky Watching Programme

- ❖ Lecture on ‘Measurement and Scale in Astronomy’ & ‘Practical Astronomy’ was presented as a refresher course for the Women’s college, Rohtak (Haryana) on 14 May 2008.
- ❖ Lecture and Night Sky Watching programme was organised on 23 July 2008 at Vigyan Prasar, Noida. Around 30 students were present in the programme.
- ❖ Lectures and Night Sky Watching Programme was organised on 23 November 2008 for Saraswati Shishu Mandir, Hapur (UP) in which 300 students and teachers participated.
- ❖ Night Sky Watching and viewing of astronomical objects through telescope was conducted by VP and collaborators at Bal Bhawan, New Delhi on 15 December 2008. About 300 students and teachers participated in this programme.
- ❖ A lecture-cum-demonstration and night sky watch RWA Kaushambi, Gaziabad 10 January 2009, in which 170 children and parents were participated in the programme.
- ❖ Vigyan Prasar in collaboration with National Rail Museum organized summer camps for the age group of 8 yrs to 15yrs during 20 May – 08 June 2008. The night sky watch was organized on 22, 28 May and 05 June 2008, during the camp.



Night Sky Watching at Bal Bhawan,
New Delhi

- ❖ Lecture, demonstration of Astronomy Kit and projection method was conducted for the Amity School Pushap Vihar, New Delhi on 19 February 2009 about 200 students and 15 teachers participated in this programme.

Astronomy/Space Sciences Programmes for the Satellite Interactive Terminals (SIT) on Edusat Network

- ❖ One day training programme on 'Aerodynamics' was conducted for the SIT Network on 19 May 2008. Demonstration of aero dynamical activities like how air lifts, air has weight, drag, etc. The programme was a part of 'Do-it- Yourself' activities.
- ❖ Two day training programme on Astronomy on SIT Network on 30 May and 02 June 2008. It was part of Summer Special programme. Different astronomy topics were taught to all the student participants.

Training and Dissemination

- ❖ A series of training-cum orientation programme for formation of science clubs and "Innovative Experiments in Physics" was jointly organized by Vigyan Prasar and NYASS Trust in Ahmednagar, Nagpur, Buldhana (Maharashtra) during May 2008. The workshops were the outcome of the orientation programme organized in August 2007 at



Joint programme of VP and NYASS Trust Maharashtra organized at Ahmednagar

- Pune. Each workshop was attended by 50 teachers from the different schools and colleges. The basic objective of this workshop was to strengthen the network of VIPNET Club in Maharashtra and finalize the roadmap of the activities for Planet Earth 2008 and Year of Astronomy 2009.
- ❖ VP organized a VIPNET orientation and training programme on Innovative Experiments on Physics for school teachers from 13 – 15 August 2008 at Agra. About 70 teachers representing various schools and colleges and coordinators of VIPNET Clubs attended the

programme. Resource material in the form of kits, CDs, posters etc. were given to each participant to initiate activity in their own club as part of International Year of Planet Earth - 2008.

- ❖ Two workshops on telescope making were organized in Madhya Pradesh at Bhopal and at Gwalior for the VIPNET science clubs from 6 – 10 September, 2008 and from 19 – 23 September, 2008. Around 50 participants were trained in each workshop. These workshops were organized as part of International Year of Astronomy 2009. In each workshop about 60 telescopes (Galileian) were assembled by the participants. Some were given to clubs to initiate night sky watching activities in their areas.
- ❖ VP organized a three-day workshop on Innovative Experiments in Physics for the VIPNET Club and the science teachers of Ratlam district at Piploda from 26-28 September 2008. About 50 physics teachers from various government schools participated in the each workshop. After the workshop, each participant was given a CD and the kit to take up similar activities in their clubs and schools. Ratlam is one of the districts in MP where VP has a cluster of more than 200 clubs, which is one of the most active clusters in the country.
- ❖ A workshop on astronomy activities and Planet Earth was organized for the VIPNET Clubs of selected districts of Madhya Pradesh in Panchmadi from 14 to 18 February 2009 jointly with Yuva Vigyan Parishad, a M P based agency working for science popularization. During the workshop about 55 participants were present. The activity kits of VP and other resource material on Planet Earth were given to each participant.
- ❖ As a special initiative to mobilize programme and activities with the eco-club of Delhi, a one-day interaction-cum-orientation programme was organized in Father Agnel School of Delhi. This school is a lead eco-club of Delhi, catering to the need of 20 other nearby school clubs. During the programme, 20 eco-clubs were invited and kits on Bio-diversity and Weather were given to each participant to start activities in their clubs. The objective was to bring all the eco-clubs of Delhi into the fold of VIPNET Clubs.

Collaborative Programmes

A Coordinated Pilot Project with MP Council of Science and Technology and Science Centre, Gwalior in Madhya Pradesh.

As a follow up of the coordinated project, initiated with MP Council of Science and Technology and Science Centre, two training programmes were held at Bhopal during May and June 2008 to train the teachers for taking up science based activities in clubs on Planet Earth-2008. The programmes were attended by 300 teachers from 40 districts of M.P. From each district about 10 schools were selected for this pilot project to make science teaching and learning a more interesting and enjoyable process to retain and sustain interests of the students in science. The project has been developed under the name “Vigyan Shala Pariyojana” for two years till 2010. The financial support to this project is given by MP Council of Science and Technology, Bhopal. All the support in terms of technical inputs and resource material is being generated and provided by VP for his project.



A glimpse of collaborative project with MP Council of S&T and Science Centre, Gwalior

Workshop at National Rail Museum, New Delhi

As a joint initiative with National Rail Museum, New Delhi, four science activity based camps for children were organized from May 20 to June 19, 2008. An activity package for the programme was designed comprising various observation and experimental activities including information based lectures and films. More than 150 children participated in these summer camps.



Summer camp organized by VP jointly with National Rail Museum, New Delhi

Programme with National Book Trust, New Delhi

A six-day programme was organized jointly with National Book Trust in Delhi. During the programme, a wide variety of activities including demonstration of kits, lectures and story telling session based on experiments were organized on each day. Every day about 200 students, general public attended the programme.

Collaborative programme with Department of Environment, Government of Delhi

A collaborative programme to train 100 local Eco-Clubs of Delhi was organized with the Department of Environment, Govt. of Delhi at Pragati Maidan. VP provided the technical support and resource material during the programme. The programme was designed to bring all the Eco-club of Delhi within the fold of VIPNET.

Science Melas

Perfect Health Mela - 2008

VP organized a series of activities in Perfect Health Mela 2008 organized by Heart Care Foundation, Delhi from 17 -26 October, 2008. During the programme, a special quiz was designed for the participants and prizes were given to the winners. VP put up a stall during the mela for displaying the software and publications of Vigyan Prasas.

Gwalior Mela 2009

Vigyan Prasas in association with Yuva Vigyan Parishad, Gwalior, a S&T based agency put up a stall-cum-activity corner at Gwalior Mela. The Mela was organized Govt. of Madhya Pradesh from January 1 to February 10, 2009. The theme of the pavilion put up by Vigyan Prasas was “Prithvi ko Swaron, Aakash ko Nikharo.” An Exhibition was put up for the general public on the theme of Astronomy and various sub-themes of Planet Earth.



VP participated in Gwalior Mela - 2009

About 70 nearby schools of Gwalior were invited to visit and participate in various programmes & competitions organized daily in the stall. A series of activities, competitions, quizzes and interacting sessions were organized for the general public. A number of activity corners like water testing and testing of food adulteration, puppet shows and scientific explanation of so-called miracles were also demonstrated. On an average, about 12,000 people are visiting the stall daily.

Initiatives in the North-East

- ❖ As a special initiative to enhance S&T content in the media and print, a 26-episode radio programme on Biodiversity as part of the Planet Earth, especially on the resources of North Eastern States was produced jointly by Vigyan Prasar, AIR (Guwahati) and Assam Science, Technology and Environment Council, Guwahati. The serial on biodiversity was broadcast from 08 November, 2007 to June 2008. The basic format of the serial was docu-drama and each episode was interactive and selected listeners were given prizes by Vigyan Prasar.
- ❖ A 13 - episode radio serial on science fiction was produced in Nepali and Bengali jointly with AIR, Gangtok, and AIR, Kolkata respectively. The serial was broadcast from AIR stations of Kurseong, Gangtok in Nepali and six stations of West Bengal in Bengali and covered Silchar in Assam and Agartala, in Tripura. The broadcast began in January 2008 and concluded in July 2008.

International Year of the Planet Earth - 2008

As part of the Planet Earth 2008, VP has taken up programmes for various target groups that include publications, Radio/TV programmes, activity kits and exhibitions on different aspects of Planet Earth.

- ❖ As a part of the International Year of Planet Earth - 2008, under the collaborative programmes and activities with other agencies, institutions and organizations, five training programmes were organized from September to December 2008 in different parts of the country. The programmes were organized in association with National Council of Science & Technology Communication, DST and host agency. During the programmes a series of lecture-cum-

demonstrations based on software and other resource materials produced by VP were organized. About 50 master resource trainers representing different S&T agencies, colleges and schools participated in each training programme. The representatives from State Councils were also invited. These training programmes were organized at Guwahati for the North-Eastern States and West Bengal in September 2008 followed by the second training programme at Bangalore for Southern States in October 2008. The third training programme was organized at Bhopal in November 2008 for the Central region and at Chandigarh in November 2008 for the Northern region. The fifth training programme for Western region was held at Ahmedabad in December 2008.

- ❖ Broadcast of a 52 episode radio serial “Dharti Meri Dharti” commenced from January 2008 and continued till March 2009. The programme was produced in 19 Indian languages including English and broadcast from 117 radio stations of AIR, covering about 95 per cent of geographic area of the country. The programme was interactive and listeners participated in the programme by answering questions asked at the end of each episode. Vigyan Prasar gave prizes in the form of books and other software.
- ❖ A 26-episode TV serial on Planet Earth titled “Kahani Dharti Ki” was produced. The telecast began from February 2009 on DD National Channel.
- ❖ A set of 21 posters on different topics on ‘Planet Earth’ was brought out in English and Hindi.
- ❖ VP brought out 13 titles on different aspects of Planet Earth in Hindi and English.
 - ❖ The Violent Earth - Earthquake/Tsunami/Volcanoes by S. Mahanti
 - ❖ Water by P S Dutta
 - ❖ Snakes by Sukanya Dutta
 - ❖ Mangroves by R Panneerselvam
 - ❖ Life on Earth by Sukanya Dutta
 - ❖ Deserts : The Driest Place on Earth by S Mahanti

- ❖ Weather Riddle by Biman Basu
- ❖ Earth's Changing Climate by Biman Basu
- ❖ Mega cities by T V Jayan
- ❖ Global warming and Health by Alok Mukherjee
- ❖ Mountains Under Siege by Hassan Jawaid Khan
- ❖ Planet Earth in a Nutshell by Biman Basu
- ❖ Bamboo by D C Baruah

Master Resource Persons' training programme on Planet Earth 2008

As a part of the International Year of Planet Earth - 2008, under the collaborative programmes and activities with other agencies, institutions and organizations, five training programmes were organized from September to December 2008 in different parts of the country. The programmes were organized in association with NCSTC and the local host agencies. During the programmes a series of lecture-cum-demonstrations based on software and other resource materials produced by VP were conducted. About 50 master resource trainers representing different S&T agencies, colleges and schools participated in each training programme. The representatives from State Councils were also invited. These training programmes were organized at Guwahati for the North-Eastern States and West Bengal in September 2008 followed by the second training programme at Bangalore for Southern States in October 2008. The third training programme was organized in Bhopal in November 2008 for the Central region and at Chandigarh in November 2008 for Northern region. The fifth training programme for Western region was held at Ahmedabad in December 2008.



Masters Resource Persons' Training Programmes on Planet Earth organized at Guwahati, Bangalore, Bhopal, Chandigarh and Ahmedabad during 2008 - 2009

In every training programme, a series of demonstration of activity kits on Biodiversity, Weather and Earthquake were conducted along with popular lectures on various topics of Planet Earth. The resource material developed by Vigyan Prasar was given to each participant. This included a set of 10 books, a set of 21 posters, 3 kits (Weather, Biodiversity and Earthquake) and a CD comprising about 14 power point presentations.

International Year of Astronomy - 2009

The year 2009 has been proclaimed as the International Year of Astronomy by United Nations. As part of the International Year of Astronomy 2009, VP has initiated number of programmes for various target groups that include publications, Radio/TV programmes, activity kits and exhibitions on different aspects of Astronomy.

Radio Serial on Astronomy

A 52-episode radio serial on astronomy titled “Sitara Se Aage” has been produced in 19 major Indian languages including English. The broadcast of the serial would begin from April 2009.

Television Serial on Astronomy

A 26-episode television serial on astronomy “Taron Ki Sair” has been commissioned for telecast on DD National Channel on Sunday mornings.

Publications

Publication of seven titles at popular level on various topics of astronomy in English and Hindi has been taken up. These titles would be translated into other Indian languages later on.

- ❖ Planetary Motions by J N Desai, N M Ashok and V B Kamble
- ❖ An introduction to Astronomy by Prof. J N Desai
- ❖ Development of Astronomy through the Instruments by Shri Biman Basu
- ❖ Publication based on V B Kamble’s articles in Dream 2047 on topics related to Astronomy
- ❖ Biographies of great astronomers based on Subodh Mahanti’s articles in Dream 2047

- ❖ Projects in Astronomy by Dr. Arvind C Ranade
- ❖ The Eyes on the sky : The story of Telescopes by Dr. Biman Nath

Activity Kit

An Astronomy kit containing 32 activities on basic aspects/phenomena of Astronomy and Eclipses has been developed in English and Hindi.

Development of CD

Development of CD on “Eclipses” has been initiated.

A CD containing 18 PPTs, six articles and books on Astronomy related topics would be brought out for training programmes.

A compilation of articles published in ‘Dream 2047’ on Astronomy and Eclipses would be prepared for the training programme.

A film on “Eclipses” has been commissioned on the occasion TSE 2009.

Training Programmes

VP would organize four Masters Resource Persons’ training programmes on astronomy for the International year of Astronomy-2009 jointly with NCSTC, DST.

National Campaign on Total Solar Eclipse – 2009

VP would organize campaign on Astronomy popularization built around TSE on 22 July 2009 which would be visible from India. To begin with VP organized the first campaign on TSE at Amity School Pushp Vihar, New Delhi for the group of Amity schools in Delhi and Noida on 19 February, 2009. Around 200 students and 50 teachers from ten schools of Amity group were present in the campaign. Similar campaigns would be organized through out the country.

Workshops

Telescope making workshops would be organized in different parts of the country.

Conferences and Seminars

Science writing workshops in Hindi

- ❖ VP jointly with Vigyan Parishad Prayag, Allahabad organized a science writing workshop in Hindi during March 8 – 9, 2009. The seminar titled was “Vigyan lekhan par sansadhan samaigri ka vikas karyashala”. During the workshop 25 well known science communicators, editors, science journalists and educationists working in the field of science communication participated. As an outcome of workshop VP developed a good resource material on science writing.



Science Writing workshop in Hindi at Allahabad

- ❖ A seminar on science writing in Hindi as part of Rajbhasha activities was organized by VP in September 2008. The seminar titled “Vichar Goshti: Hindi mein Vigyan Lekhan; Sansthaगत evam vyaktigat prayas” was held at Noida. The objective of the seminar was to provide a platform for individuals and institutional efforts in Hindi science writing. Senior Hindi writers, science communicators, editors and scientists participated in the seminar.



A seminar on science writing in Hindi as part of Rajbhasha activities was held at VP

Lectures cum Demonstration on Communication Strategies on Natural Resource Management

A training programme on Natural Resource Management and Environment was organized by Indian Institute of Public Administration, Delhi for the scientists and technologists of Science & Technology Institutions, Government of India. A lecture cum demonstration on communication strategies for creating awareness for natural resource management was

organized by VP on 4 March 2009 for the participants at the campus of Indian Institute of Public Administration, Delhi. The resource material developed by VP were distributed to the participants

Participation of VP officials in International Seminars/ Conferences

Deputation of B.K.Tyagi to attend 10th People Communication of Science and Technology (PCST) to Sweden.

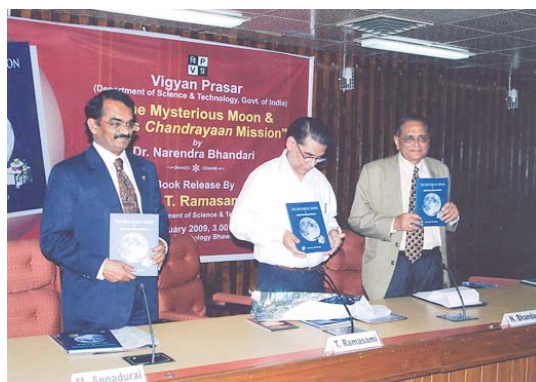
Shri B.K.Tyagi, Scientist (D) Training and Dissemination attended the 10th People Communication of Science and Technology (PCST –10) at Malmo University (Sweden) and presented a paper on Parallel Approaches to Science Communication - an Indian experience. During the conference, an exhibition displaying the software of Vigyan Prasar were organized. The delegates especially from the developing countries showed lot of interest in the publication, kits and CDs developed by VP.

Book Fairs and Exhibitions

VP participated in Delhi Book fair during September 2008 and World Book fair in February 2009 at Delhi.

Book Release Function

Vigyan Prasar's publication "The Mysterious Moon & India's Chandrayaan Mission" was released by Dr. T Ramasami, Secretary, Department of Science & Technology, Government of India on 27 January 2009 at a function held in Technology Bhawan, New Delhi. Shri M Annadurai, Project Director, Chandrayaan – 1 Mission, delivered a talk on the preliminary observations / results obtained by Chandrayaan. Professor Narendra Bhandari, the author of the book was also present.



Release of Book on "Chandrayaan" by Dr. T Ramasami, Secretary, DST

Awards and Achievements

Dr. Subodh Mahanti, Scientist 'F' was awarded Atma Ram Puraskar award for his writings in Hindi. The award was presented to Dr. Mahanti by the Hon'ble President of India in February 2009, in a function organized at Rastrapati Bhawan.



Dr. Subodh Mahanti receiving the award from Smt. Pratibha Patil, Hon'ble President of India

Patent for Visual Book

A patent has been granted to Vigyan Prasar for Visual Book device by the Indian Patent Office. There are four books in the series which are based on Opto-Electronics technology. The visual books developed are available on the following topics i) Basic Electricity ii) Basic of light and optics iii) Semiconductor iv) Thermo-electricity.



The Visual Books

Desk Calendar for International Year of Astronomy - 2009

On the occasion of International Year of Astronomy, Vigyan Prasar brought out a Desk Calendar for the year 2009. The calendar covered the panoramic view of astronomical observatories from the world. It also included astronomical events in each month, viewing planets in the night sky and also the sky map for each month.



Desk Calendar - 2009

Library

Total number of books in library till the year ending was 4200. During the year 400 new books were procured for library. Total number of journals/magazines subscribed is 21. Vigyan Prasar has joined DSR-CSIR consortium for accessing online journals.

Glimpses of our Activities



VIPNET Orientation-cum-Innovative Physics Experiments workshops in different districts of Maharashtra.



Workshops on Innovative Experiments in Physics for VIPNET Club coordinators at Ratlam, Madhya Pradesh.



Telescope making workshop at Gwalior



Participants at a nature walk at Master Resource Persons' Training Programme at Chandigarh



Participants of lead Eco-clubs of Delhi in an orientation programme



During VIPNET orientation programme, participants visited a herbal factory at Palakkad, Kerala.

PROPOSED ACTIVITIES FOR THE YEAR 2009-2010

(A) International Year of Astronomy - 2009

As part of the International Year of Astronomy (IYA 2009), VP has chalked out an ambitious campaign for various target groups. The details of the activities undertaken/ to be undertaken by Vigyan Prasar as part of its outreach campaign are given below:

- ❖ **Radio Serial on Astronomy:** A 52-episode radio serial on astronomy “Sitaro Se Aage” in 19 major Indian languages including English has been produced. The broadcast of the serial would begin from April 2009.
- ❖ **Television Serial on Astronomy:** Production of a 26-episode television serial on astronomy “Sitaro Ki Sair” has begun. The programme would be telecast from the National Channel of Doordarshan on Sunday morning in the slot 0900-0930 hrs. Later, the 26-episode would be dubbed into 12 major Indian languages and telecast from the regional Doordarshan Kendras (TV Stations) through regional network of Doordarshan spread in the country.
- ❖ **Publications:** Publication of seven titles at popular level on various topics of astronomy in English and Hindi has been taken up. These titles would be translated into other Indian languages later on.

- ❖ **Activity Kit:** Development of a low cost activity kit-cum-educational package containing 25-30 activities on basic aspects/phenomena of Astronomy and Eclipses has been developed in English and Hindi.
- ❖ **Development of CD and Posters:** Development of CD on “Eclipses” has been initiated.
- ❖ **Demonstrations:** Lecture/demonstrations on various aspects of astronomy in association with scientists/ organizations working in the field of astronomy/ astrophysics would be organized.
- ❖ **Training:** Training programmes for resource persons from different regions / states of India would be initiated. The trained resource persons would in turn train more communicators in their states / provinces, deliver talks and conduct activities on popular aspects of astronomy.
- ❖ **Workshops:** Telescope making workshops would be organized in different parts of the country.
- ❖ **National Campaign on Total Solar eclipse (TSE) occurring on 22 July 2009:** VP would organize national campaign on Astronomy popularization built around TSE of 22 July 2009 which would be visible from India.

(B) Training and Dissemination

- ❖ **Training and Dissemination** Apart from the training programme on Astronomy, VP proposes to organize teachers’ training and orientation programmes for school science teachers in different parts of the country.

(C) Publications

- ❖ Publication of Vigyan Prasar’s monthly newsletter “*Dream 2047*” will be continued.
- ❖ VP would bring out seven titles in Astronomy on the occasion of International year of Astronomy – 2009.
- ❖ New publications would be brought out under different series like Scientific Heritage series, Health Series, Popular Science, Classic series, Natural

History series, Scientific Biographies, Do-it-Yourself series etc. Emphasis will be given in bringing out new titles in major Indian languages.

(D) Vigyan PRasar Information Systems (VIPRIS)

Maintenance and updation of VP website would be continued. New features will be added to make the website more attractive and dynamic.

- ❖ Development and maintenance of websites of various divisions of DST will be continued.
- ❖ VP would develop CDs on Eclipses, Teaching modules based on activity kits developed by VP.
- ❖ During the second phase of the scientific experiments using PC new experiments would be developed as part of VP's training programme.
- ❖ Workshops on Innovative Experiment in Physics would be organized to train teachers in different parts of the country.

(E) Science Programmes on Television

- ❖ A 26-episode TV serial on Astronomy has been produced and telecast.
- ❖ A three part video serial on Eclipse would be produced.
- ❖ A 26-episode video serial based on Innovative Science Experiments would be developed in association with Gujarat Science City and AV CODE, Ahmedabad.

(F) Science Programmes on Radio

- ❖ A 52-episode radio serial on Astronomy would be produced and broadcast in 19 Indian languages.
- ❖ Radio science serials would be produced by VP for broadcast on Gyan Vani FM Network.

- ❖ Efforts would be continued for production and broadcast of radio science programme jointly with different AIR stations in the country with emphasis on the North-Eastern States.

(G) Networking through Edusat Interactive Terminals

VP would continue to multicast science programmes – both on awareness and capacity building to train teachers, students and science activists on its SIT Network. Special programmes have been planned during the year 2009 – 2010 on Astronomy.

(H) Vigyan PRasar NETwork (VIPNET) of Science Clubs

- ❖ VP would continue its efforts in establishing new VIPNET science clubs in different parts of the country.
- ❖ Workshops for VIPNET clubs would be organized in various parts of the country.
- ❖ The ‘VIPNET News’ will be brought out regularly.
- ❖ Special activities and packages would be developed as part of International Year of Astronomy for VIPNET clubs.

(I) Astronomy Programme

- ❖ VP would strengthen activities related to astronomy for popularization of astronomy among students and general public.
- ❖ VP would provide facility of astrophotography and photometry of celestial objects through telescope.

(J) Ham Radio

- ❖ Stress would be given in organizing more awareness/training programmes on the ham radio in different parts of the country.
- ❖ Efforts would be made to establish amateur radio club stations in the disaster prone zones/areas of the country, say, Uttaranchal, Himachal Pradesh, and other States.

(K) Activity Kits

- ❖ VP would develop Activity kit/Modules on Astronomy and other topics.

(L) Book Fairs and Exhibitions

- ❖ VP will continue to organize and participate in various workshops, seminars, book fairs and exhibitions.

(M) Ongoing Activities

Other ongoing activities will be continued.



IMPLEMENTATION OF THE OFFICIAL LANGUAGE POLICY

Vigyan Prasar consciously tries to bring out publications in Hindi. The following Hindi titles were brought out during 2008 - 2009:

- ❖ Prakriti ki Prayogshala by Nikhil Mohan Pattanaik and Pushpshree Patnaik (reprint)
 - ❖ Suno Taare by Usha Srinivasan
 - ❖ Mera Dost Mr Leaky by J B S Haldane
 - ❖ Understanding Asthma by Dr. S K Sharma (Hindi version)
 - ❖ Cycle ki kahani by Vijay Gupta (reprint)
 - ❖ Kyon aur kaise by Parth Ghosh (reprint)
 - ❖ Aakash darshan ka anand by Rakesh Popli (reprint)
 - ❖ Khel khel mein khiloune by Arvind Gupta (reprint)
 - ❖ Sach to kuchh aur hai by Narendra Sehgal (reprint)
 - ❖ Patton ka chidiyaghar by Arvind Gupta(reprint)
 - ❖ Khel khel mein khiloune by Arvind Gupta (reprint)
 - ❖ Sach to kuchh aur hai by Narendra Sehgal (reprint)
 - ❖ Patton ka chidiyaghar by Arvind Gupta(reprint)
-
- ❖ Vigyan Prasar's Newsletter '*Dream-2047*' was brought out in Hindi. "VIPNET News", a newsletter for VIPNET clubs covered many articles in Hindi besides English.
 - ❖ Vigyan Prasar's website www.vigyanprasar.gov.in is available in Hindi as well.
 - ❖ Printing of the Hindi versions of following titles is underway
 - ❖ Anguthe Ki Chaap
 - ❖ Iodine Namak
 - ❖ Fermi Ki Prashan Ya Anumaan Lagane Ki Kala
 - ❖ Grahan Mithak aur Yatharth
 - ❖ Charles Darwin ki Aatmakatha

- ❖ Rasayan Vigyan ki Kahani
 - ❖ Dilli Lauh – sthambh
 - ❖ Cycle Ki Kahani
 - ❖ Prakriti ki Prayogshala
 - ❖ Bhoutiki ki Kahani
- ❖ The guidelines stipulated in the Official Language Policy with regard to correspondence, files, letterheads, visiting cards, etc. were strictly followed.
- ❖ VP organized and celebrated the Hindi week during the period 14 September 2008 to 30 September 2008. A Hindi essay writing competition was organized for the staff members of Vigyan Prasar.

Staff members were encouraged to carry out their day-to-day work in Hindi.

GENERAL AND GOVERNING BODY MEETINGS

GENERAL BODY

The 19th General Body meeting was held on October 22, 2008, at Technology Bhawan, New Delhi under the Chairmanship of its President, Shri Kiran Karnik.

GOVERNING BODY

The 35th and 36th Governing Body meetings were held on October 22, 2008 and May 23, 2008 respectively, at Technology Bhawan, New Delhi, under the Chairmanship of Dr. T. Ramasami, Secretary, DST.

The 23rd and 24th meetings of the Finance Committee were held on October 09, 2008 and March 2009 at Technology Bhawan, New Delhi, under the Chairmanship of Dr. T Ramasami, Secretary, DST.

VISITS OF PARLIAMENTARY COMMITTEE

NIL

HRD PROGRAMMES UNDERTAKEN

NIL

FINANCE

Action taken on Auditor's Report:

Necessary action taken.

Steps taken or visualized for internal mobilization of resources:

Sale of software/books/slide-sets/cassettes and receipts on this account, accounted for in the books.

NUMBER OF PATENTS FILED/TECHNOLOGY TRANSFERRED FOR COMMERCIAL USE

One patent was filed for 'Visual Book' and the patent has been granted to VP.

ANNUAL ACCOUNTS

ANNEXURE I:

MANPOWER, BUDGET & FACILITIES AVAILABLE

ANNEXURE II:

AUDITORS' REPORT FOR THE YEAR ENDED ON 31 MARCH 2009.

ANNEXURE III:

COMPLIANCE REPORT ON THE OBSERVATIONS RAISED BY THE AUDITORS.

ANNEXURE I

MANPOWER

Group	No. of Scientific/ Technical Personnel	Administrative/ Scretarial Personnel
A	10*	1
B	7	Nil
C	2	8
D	Nil	3

* Presently Dr. V. B. Kamble, Scientist 'G', DST, is the Director of Vigyan Prasar.

OFFICIAL LANGUAGE IMPLEMENTATION

Proactive efforts are being made to ensure successful implementation of the official language. A committee has been constituted for implementation of official language as per rules and directions issued by Govt. of India from time to time.

PREVENTION OF SEXUAL HARASSMENT OF WOMEN AT WORK PLACE

Necessary mechanism has been placed in compliance of the instructions on the subject. No complaints have been received during the year.

VIGILANCE REPORT

During the year no complaint was received by the Vigilance Officer of the Organization. The monthly and quarterly reports related to vigilance were submitted regularly to the Chief Vigilance Officer, DST, Govt. of India. Vigilance team from DST, Govt. of India visited VP and conducted vigilance inspection of the Organization.

GRIEVANCES REDRESSAL MECHANISM

The mechanism of Redressal of Grievances of the employees of the Organization is available.

IMPLEMENTATION OF RIGHT TO INFORMATION ACT

The provisions of RTI Act have been implemented through nomination of CPIO and the Appellate Authority of the Organization.

BUDGET

Grant of Rs.876 lakhs was released by DST and the actual amount spent during 2008 – 2009 was Rs.885.87 lakhs.

FACILITIES AVAILABLE

The following hardware facilities purchased through DGS&D during the year:

- ❖ 2 Desktop computers
- ❖ 2 17" TFT Monitors
- ❖ 6 Laser Jet Black and White Printers and 1 Colour Laser Printer
- ❖ 1 Scanner
- ❖ 2 Dot Matrix Printers

ANNEXURE II

D.D. Agrawal
Chartered Accountants

413 Vikas Deep
Laxmi Nagar Distt. Centre
(Near Coffee Home)
New Delhi - 11 0092
Phone: 22437235, 22430486

AUDITOR'S REPORT

We have examined the Balance Sheet of **Vigyan Prasar**, A-50, Institutional Area Sector 62, Noida 201 307, U.P, as at **31st March 2009** and the Income & Expenditure Account along with Receipts & Payment Account for the year ended on that date which are in agreement with the books of account maintained by the said society.

We report that:

1. We have obtained all the information and explanation, which to best of our knowledge and belief were necessary for the purpose of the audit.
2. In our opinion, proper books of accounts have kept by the society for our examination, subject to the points mention below and in the notes to accounts mentioned in schedule 13 of the Balance Sheet as at 31.03.2009.
 - a. The Society has maintained books of accounts on accrual basis. However the Society has adopted cash basis system in following cases.
 - ❖ Payment to employees for salary,
 - ❖ Leave encashment, Gratuity etc,
 - ❖ Payment to auditors.
 - b. During our audit we have noted that accounts have been prepared in accordance with applicable mandatory accounting standards. Subject to default of the following Accounting Standards:-
 - ❖ AS-10 Accounting for Fixed Assets
 - ❖ AS-12 Accounting for Government Grants
 - ❖ AS-15 Employee Benefits

- c. Fixed assets register has not been produced and there is no record provided for the current position of fixed assets for the purpose of our verification, however ledgers are maintained in the books of accounts for the same. Depreciation on fixed assets have been provided on written down value method as per rates provided in the provision of Income Tax Act 1961, except in the case of library books rate of epreciation taken as 10% on written down value basis.
- d. During our audit we have found that Vigyan Prasar has received grant for office building of Rs. 50,00,000 , which was not taken into Grant head or their sub heads, but they did direct payment for office building , which is wrong treatment as per AS-12. Now it has been rectified.
- e. We have noted that there is violation of provisions of AS-15, As per AS-15 it is required to make valuation of gratuity, superannuation/ pension & accumulated leave of employees on actuarial basis and to be provided at the year end but there is no practice for the same.
- f. During our audit we have noted that there are discrepancies in cash book.

The details are as under:-

Date	Head Dr.	Head Cr.	Amount	Remarks
4/9/2008	Workshop/ Orientation programe		10000	Advance given to Arvind Ranade of Rs. 10000 .Actual expenditure is Rs. 6846 balance Rs. 3154 to be paid back .VP paid that amt again resulting in effect of Rs 6308 short in cash. But while doing cash verification no such difference seen
		Advance Seminar/Meeting	6846	
		Cash	3154	
28/11/2008	Meeting on hindi days		85656	An advance given to Mr. Kapil Tripathi for hindi day celebration, he has given the details of Rs. 85656 rest amt to be received in cash. But they booked Rs. 16344 in the head of seminar/ meeting although no expense incurred in such A/c
	Seminar/meeting	Advance hindi Day celebration	16344 102000	
	Cash Balance as per Books of A/cs	Cash Physically Found		Remarks
26/08/2009	20844	20814		During our cash varification we have found there was difference of Rs. 30.

* Also we have noted that during the year there was negative cash balance in the cash book which is not possible practically.

The details are as under:-

<u>Date</u>	<u>Dr.</u>	<u>Cr.</u>	<u>Balance</u>
9/04/08	120000	20000	105719 Dr.
10/04/08 to 16/04/08	-	109840	4121 Cr.
17/04/08	20000	3000	12879 Dr.

* Bearer cheques to various employees have been issued for advances against Seminar / workshop / expenses and book for expenses / advances in bank book. We again recommended to strengthen the internal control over cash and bank and maintenance of Primary books properly.

- g. During our audit we have noted that, there is violation of provisions of Sales Tax Act. They have registered with Sales Tax vide Reg. No. LC/ 101/189370/0896, but they are not filing sales tax returns, although as per provisions of Sales Tax Act. They are suppose to file sales tax return, even if there is no sales tax liability (i.e. NIL RETURN)
- h. During our checking we have done test basis physical verification of Inventory as on 27th August 2009, where we have checked only 45 items out of 274 items & we have found that in all cases there is difference in physical stock from book balances.

For Details Annexure -1(a) attached

- i. During our audit we have noted that in most of the cases double entry system of accounting is not followed properly, like amount paid directly by cheque without preparing Party Account in their books of accounts. For example, in the following cases:-

- ❖ M/s PC-e systems
- ❖ M/s Media Clipping Bureau
- ❖ M/s Sapphire House keeping Services (P) Ltd.
- ❖ M/s Shorya Kamal Associates
- ❖ M/s Lap Care Computers

- ❖ M/s Infinium(I) Ltd
- ❖ M/s Aravali Printers & Publishers (P) Ltd.
- ❖ M/s Pulse Media Pvt. Ltd.
- ❖ M/s Uttranchal Road Carriers
- ❖ M/s Multicolour Services

j. During our audit we have noted the following points in the case of PC-e Systems Pvt Ltd :-

- ❖ Party A/c has not been prepared that's why we can not verify all the transactions at a single place.
- ❖ So many purchases order and AMC work has been given to the party but neither proper quotations have been received nor proper comparatives has been prepared for finalizing the order.
- ❖ During the year no adjustment has been done for pre-payment made last year of Rs. 20536, but other payments was releasing regularly.

k. In the case of DGS & D we have noted that there was an opening balance as on 1st April'08 of Rs. 378789/ - and as on 24th April'08 again advance payment of Rs. 400567/- has been done for 2 no's of photocopy machines. But during the year no amount adjusted against delivery of photocopy machines and no bill has been inserted in the books, although the following bills were received.

The details are as under:-

<u>Invoice No</u>	<u>Date</u>	<u>Party</u>	<u>Amount</u>
111131-0397	08/07/08	HCL Infosystems	2, 22,196
111131-0445	25/07/08	HCL Infosystems	1, 77,402

l. In the case of Sapphire Housekeeping Services (P) Ltd. We have noted some Discrepancies which are as follows:-

- ❖ Quotations for providing contract employees received from various parties, and on the basis of quotations comparative were made, but basis for preparing comparative is taken only percentage of agent commission payable to the parties. Neither the cost of

employee per day rate is considered nor did net cost to company considered by the management for finalizing the contract.

- ❖ Rates given by the party for employees per day is not been followed at the time of payment.
- ❖ Proper party account has not been prepared although every month payment released.

m. During our checking we found the Deposit Reinvestment Certificates, which are available physically but did not exist in their books of accounts since it has made.

The details are as under:-

<u>S.No.</u>	<u>A/c No.</u>	<u>Date</u>	<u>Bank Name</u>	<u>Amount</u>
1.	270	29/04/03	Union Bank of India	1, 00,000
2.	349903030243921	23/11/04	Union Bank of India	7, 00,000
3.	3030244753	25/05/05	Union Bank of India	6, 00,000

n. During our audit we have found that in the case of employees, the following discrepancies have found.

- ❖ They have not prepared form 16 properly.
- ❖ And they have not collected basis for deduction u/s 80C and other deductions.
- ❖ For details Annexure-2 attached:-

o. During our audit we have observed in the case of M/s Uttranchal Road Carriers neither quotation received nor comparative basis prepared for giving contract to the party.

The detail of his payment is as under:-

<u>Invoice No.</u>	<u>Date</u>	<u>Party Name</u>	<u>Amount</u>
084	26/02/09	Uttranchal Road Carriers	58,406

3. In our opinion and to the best of our information and according to the information given to us, the said account read with notes thereon give a true and fair view.

- a. In the case of the Balance Sheet of the state of affairs of the above named society as at 31st march 2009 and
- b. In the case of the Income & Expenditure account of the excess of income over expenditure of its accounting year ending on 31st March 2009.

**For KBL Agrawal & Co.
Chartered Accountants**

**Sd/-
CA. D.D. Agrawal
(Partner)**

**Date: 14.09.2009
Place: New Delhi**

Vigyan Prasar , A-50, Sector-62, Noida 201307

Schedule: 13Notes to Accounts and Accounting Policies: 2008-2009

- Advances of Rs. 124,26,321/- (Previous Year Rs. 85,11,499.01/-) out of which entries comprising to Rs. 13,23,757/- are outstanding for more than 3 years, given for various programmes / activities have not been square up due to non-receipt of bills / copy of accounts.
- Debtors as at 31.03.2009 Rs 19,69,198.21/-.(Previous year Rs. 6,13,639.88) Out of which Rs. 21,038/- are outstanding for more than 3 Years.
- Figures for previous year have been re-grouped/ re-arranged or corrected, wherever it was found necessary
- During our audit we have found some other discrepancies. The details are as under:-

S.No	Particulars	Amount	Remarks
1	Adv Shri B.K. Tyagi	9127	Their was an opening balance of Rs. 2500 and during the year again Rs. 6627 has been given, but no expense details received and adjusted from this A/c
2	Adv AV Code Ahmedabad	2152	Received cheque as on 03/06/08 but the same has not yet presented to bank
3	Library books	2714	Cheque issued on 24/07/08 but not yet presented by the party .Now it has been reversed due to expiration of cheque.
4	Director, Deptt S& T Dollyganj Port Blair	40855	Cheque received from party as on 9/03/09 but not yet presented to bank
5	Advance TA	6190	Advance given for seminar of Rs. 45000. As per expense detail total expenditure is Rs. 38810, balance amount of Rs. 6190 adjusted from Advance TA instead of Advance Seminar.
6	Computer /Peripherals	3720	Expense of revenue nature but wrongly capitalised so now rectified
7	Computer /Peripherals	604781	Expense of revenue nature but wrongly capitalised so now rectified
8	Computer /Peripherals	10372	Expense of revenue nature but wrongly capitalised so now rectified
9	Computer /Peripherals	113568	Same entry entered twice as on 31/03/09. Now rectified

10	Office Equipment	15392	Batteries purchased for Laptop of Dr. Kamble, Wrongly capitalised under office equipment instead of Computer/peripherals. Now rectified
11	Advertisement Expenses	73793	Same entry entered twice. Now rectified
12	Central Sales	2266240	Actual nature was purchase but wrongly entered in the Name of Central Sales. Now rectified
13	Adv TA	30000	Advance given to Sandeep Baruah on 20/08/08 of Rs. 25000 and to Arvind Ranade on 7/10/08 of Rs. 5000. Not adjusted yet
14	Adv LTC	4322	Amount given to Puran Singh on 9/09/08 for Rs. 322 and to Arvind Ranade on 11/02/09 for Rs. 4000. Not yet adjusted
15	Adv Postage	19000	Postage and Adv Postage both coming under head Indirect Expenses. Now Rectified

**For KBL Agrawal & Co.
Chartered Accountants**

**Sd/-
CA. D.D. Agrawal
(Partner)**

Date: 14.09.2009

Place: New Delhi

ANNEXURE - I (a)

Stock Verification as on 27th August 2009

Particulars	Inwards Qty	Outwards Qty	Qty. as per Books of A/cs	Qty. Physically Available	Rate in Rs.	Difference in Qty	Difference in Rs.
Akash Darshan ke anand	8000	3014	4986	1000	112.53	-3986	-448544.58
All motion is relative (E)	882	75	807	493	7.35	-314	-2307.90
Bio Diversity	15000	3576	11424	1200	105.15	-10224	-1075053.60
Charles Darwin Auto Biography(H)	871	212	659	336	21.25	-323	-6863.75
Discovery of Electron(E)	977	39	938	750	25.47	-188	-4788.36
Earth Quake Book (E)	1655	79	1576	1200	4.10	-376	-1541.60
Emergence of Modern Physics(H)	1771	293	1478	215	90.00	-1263	-113670.00
Evolution 55	1847	116	1731	952	22.50	-779	-17527.50
Extinction	22	15	7	307	25.50	300	7650.00
Gilas ke kuch or khel(H)	999	997	2	0	11.00	-2	-22.00
History of Telecommunication (E)	47	13	34	0	35.66	-34	-1212.44
Jano or Boojoh	117	34	83	0	3.00	-83	-249.00
Khel khel mein breil book	31	0	31	26	45.00	-5	-225.00
Know more ast jaundice(Tamil)	5	0	5	6	21.80	1	21.80
Kyon aur Kaise(H)	3000	0	3000	0	42.54	-3000	-127620.00
Kyon aur Kaise(H) PB	3007	3018	-11	0	42.51	11	467.61
Lets put things together	890	959	-9	0	13.52	9	121.68
Mad Mad Mad Cow -CD	1539	16	1523	953	32.50	-570	-18525.00
Manav ka Vikas -Tamil	24	0	24	1092	465.00	1068	496620.00
Masrum spawn (H)	11925	3306	8619	3000	1.85	-5619	-10395.15
Moyhs of India 55	1892	37	1855	900	22.50	-955	-21487.50
My friend Mr Lerky Oriya	9	0	9	8	23.00	-1	-23.00
Orgami: Fun & Mathematics	2103	1168	935	614	19.44	-321	-6240.24
Our water our life (E)	0	129	-129	0	20.56	129	2652.24
Planet Earth -CD	0	247	-247	0	32.07	247	7921.29
Prachin Bharat mein-CD	0	1800	-1800	146	50.00	1946	97300.00
Rasaan ki duniya	15	0	15	2	35.67	-13	-463.71
Resource Mat WIP 2005 (E) books &CD	5	0	5	9	60.00	4	240.00
Sach to kuch or hai	10926	4037	6889	2255	35.29	-4634	-163533.86
Seeing is not always believing	346	215	131	0	28.00	-131	-3668.00
Sisur jatno ohalan palan-Bengali	1010	0	1010	862	16.50	-148	-2442.00
Square pegs in round hole (E)	549	67	482	0	23.25	-482	-11206.50
STD (E)	2383	22	2361	1800	31.10	-561	-17447.10
The Indian Elephant	4	4	36	0	25.50	-36	-918.00
The Insect World (E)	33	55	-22	400	21.24	422	8963.28
The Soap Busble & Forces - Marathi	35	0	35	33	28.49	-2	-56.98
Toy Joy (E)	481	200	281	0	11.90	-281	-3343.90
Tse	231	200	220	0	10.50	-220	-2310.00
Uncharted Trends (E)	298	17	281	260	56.25	-21	-1181.25
Vigyan Natak	13793	210	13583	5401	6.15	-8182	-50319.30
Vigyan Rail -DVD	102	0	102	0	88.45	-102	-9021.90
W5H of Technology (E)	500	37	463	362	92.00	-101	-9292.00

ANNEXURE - 2

S. No.	Name of Employee	Taxable Salary	Deductions claimed	Basis for claiming deduction	Tax as per form 16 (inclusive of cess)	Revised Tax Calculation
1	Dr. Subodh Mahanti	870984	House property	Received	171746	171284
2	Dr T.V. Venkateswaran	589319	House property , housing loan repayment	Not provided	84713	84248
3	Shri Arvind Ranade	340132	HRA , Life Insurance , PPF	Not provided	24026	23716
4	Shri Sandeep Baruah	398158	HRA , other Investment	Not provided	35980	35670
5	Shri B.K. Tyagi	485878	House property , other investment	Not provided	54050	53740
6	Ms. Kinkini Dasgupta	607704	PPF HRA, other investment, life	Not provided	87306	86841
7	Shri Rintu Nath	509710	insurance	Not provided	60114	59650

**VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307
BALANCE SHEET AS AT 31/03/2009**

	Amount (Rs.)		
CORPUS/CAPITAL FUND AND LIABILITIES	Schedule	Current Year	Previous year
CORPUS/CAPITAL FUND	1	6,15,04,033.57	5,00,73,288.23
EARMARKED/ENDOWMENT FUNDS	2	1,71,434.00	2,30,373.00
CURRENT LIABILITIES AND PROVISIONS	3	19,51,253.90	22,97,259.40
TOTAL		6,36,26,721.47	5,26,00,920.63
ASSETS			
FIXED ASSETS	4	1,25,91,205.83	1,43,40,471.37
CURRENT ASSETS, LOANS, ADVANCES ETC.	5	5,10,35,515.64	3,82,60,449.26
TOTAL		6,36,26,721.47	5,26,00,920.63
NOTES ON ACCOUNTS & ACCOUNTING POLICIES	13		

Signed as per our report of even date attached
For K B L Agrawal & Co.
Chartered Accountants

Sd/-
(D D AGRAWAL)
Partner

Sd/-
(J.K Chandel)
Accounts Officer

Sd/-
(Somesh C Jhingran)
Registrar

Sd/-
(Dr. V.B. Kamble)
Director

Date : 14/9/2009
Place: New Delhi

**VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2009**

SCHEDULE 1

	Current Year	Previous year
CORPUS/CAPITAL FUND		
Balance as at beginning of the year	5,00,73,288.23	4,43,51,367.32
Add: Excess of Income transferred from Income and Expenditure A/c	1,14,30,745.34	47,21,920.91
Add: Reserve (FCT from telecasting)	NIL	10,00,000.00
	6,15,04,033.57	5,00,73,288.23
BALANCE AS AT THE YEAR – END	6,15,04,033.57	5,00,73,288.23

Amount (Rs.)

SCHEDULE 2

Amount (Rs.)

EARMARKED/ ENDOWMENT FUNDS	Project											Total		
	SERC	IDRC Project	NSTMIS	UNESCO	Good Laboratory Practice	Women In Science	STAC- Project	Science & Society	State Science & Technology	Vigyan Ratn	International Division- DST	Office Building Fund	Current Year	Previous Year
a) Opening balance	(-)1,61,601	1,14,590	1,47,002.00	89,900	(-)2,44,514	3,33,286	(-)34,352	(-)1,02,646	(-)93,500	31,558	1,50,650	Nil	2,30,373	(-)2,49,174
b) Additions	2,30,000	Nil	3,19,472.00	Nil	2,39,351	2,75,000	Nil	3,88,149	Nil	Nil	Nil	50,00,000	64,65,537	14,95,535
Total (a + b)	68,399.00	1,14,590	4,66,474.00	89,900	(-)5,163	6,08,286	(-)34,352	2,85,503	(-)93,500	31,558	1,50,650	50,00,000	66,95,910	12,46,361
c) Utilisation/Expenditure towards objectives of funds	2,38,295.00	Nil	6,11,874.00	Nil	17,727	89,012	Nil	5,47,724	Nil	15,169	14,000	50,00,000	65,33,801	10,15,988
Expenditure during the year					-22,890									
NET BALANCE AS AT THE YEAR-END (a+b-c)	(-1,69,896)	1,14,590	(-1,45,400.00)	89,900	-	5,19,274	(-)34,352	(-)2,62,221	(-)93,500	16,389	136,650	-	1,71,434	2,30,373.00

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307

SCHEDULE - 3

CURRENT LIABILITIES AND PROVISIONS		Current Year	Previous Year	Amount (Rs.)
CURRENT LIABILITIES				
1.	Acceptances {Security (Distributor/Agent)}			67,000.00
2.	Amount payable to customers	10,03,836.90		7,71,981.40
3.	Statutory Liabilities:			
a)	Others (TDS/Sales Tax)	5,93,086.00		7,96,358.00
b)	Leave Salary	-		23,705.00
4.	Other current Liabilities			
a)	M/s Wipro India	20,240.00	20,240.00	
b)	Electricity charges	2,660.00	2,283.00	
c)	Telephone	13,048.00	56,519.00	
d)	VIPRIS Clipset	-	9,656.00	
e)	Workshop/Orientation Programme	69,087.00	-	
f)	Insurance	-	5.00	
g)	Medical Reimbursement	-	801.00	
h)	Postage	-	26,208.00	
i)	Honorarium	68,500.00	-	
j)	Science communication through DD	-	-	
k)	Advertisement Exps.	-	4,164.00	
l)	M/s Genesis Media	2,295.00	78,362.00	
m)	Newspaper & Periodicals	4,838.00	2,295.00	
n)	Web/Homepage	1,518.00	3,486.00	
o)	Publication	-	1,115.00	
p)	Repair & maintenance	-	2,24,280.00	
q)	VIPNET Newsletter	-	5,163.00	
r)	CD on Optics	-	44,720.00	
s)	Book Fair	-	-	
t)	ILT, Kanpur	-	-	
u)	Consumable	700.00	-	
v)	Car hire charges	39,573.00	-	
w)	Contingency	-	9,750.00	
x)	VP newsletter	-	9,344.00	
y)	Traveling expenses	-	6,750.00	
z)	LTC	-	29,587.00	
aa)	ILT, Kanpur	11,158.00	11,816.00	
bb)	C-DAC	-	16,671.00	
cc)	Children Educational Allowance	6,430.00	75,000.00	
dd)	House Building Advance	12,500.00	-	
ee)	Rent, Rates & Taxes	30,984.00	-	
ff)	Office Expences	3,800.00	-	
		2,87,331.00	6,38,215.00	
	Total	19,51,253.90		22,97,259.40

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307

SCHEDULE 4

FIXED ASSETS

Amount (Rs.)

DESCRIPTION	GROSS BLOCK				DEPRECIATION				NET BLOCK		
	Cost / valuation As at beginning of the year	Additions		Deduc-tions during the year	Cost valuation during the year	Upto 31.03.2008	Dep. Adjusted	Dep. for current year	Total up to the year-end	As at the current year-end	As at the previous year-end
		During April-Sept.	During Oct-March							Dep. for current year	
1. PLANT MACHINERY & EQUIPMENT	4,70,659.65	Nil	Nil	Nil	4,70,659.65	4,05,067.03	Nil	9,838.89	4,14,905.92	55,753.73	65,592.62
2. FURNITURE, FIXTURES	73,98,286.59	Nil	Nil	Nil	73,98,286.59	22,87,201.78	Nil	5,11,108.48	27,98,310.26	45,99,976.33	51,11,084.81
3. OFFICE EQUIPMENT	29,47,108.87	Nil	1,237.00	Nil	29,48,345.87	22,65,380.00	Nil	1,02,352.11	23,67,732.11	5,80,613.76	6,81,728.87
4. COMPUTER/PERIPHERALS	1,48,09,263.96	1,72,885.00	3,59,612.00	Nil	1,53,41,760.96	1,27,60,917.04	Nil	14,80,925.05	1,42,41,842.09	10,99,918.87	20,48,346.92
5. LIBRARY BOOKS	11,70,218.30	1,37,998.00	1,79,106.00	Nil	14,87,322.30	4,16,486.60	Nil	98,128.27	5,14,614.87	9,72,707.43	7,53,731.70
6. OFFICE BUILDING(Under Construction)	8,26,500.00	Nil	4,84,600.00	Nil	13,11,100.00	Nil	Nil	Nil	Nil	13,11,100.00	8,26,500.00
7. ELECTRICAL INSTALLATION	4,33,326.00	Nil	Nil	Nil	4,33,326.00	99,881.40	Nil	33,344.46	1,33,225.86	3,00,100.14	3,33,444.60
8. AUDIO-VISUAL EQUIPMENT	45,82,479.00	Nil	Nil	Nil	45,82,479.00	13,20,039.55	Nil	4,89,365.92	18,09,405.47	27,73,073.53	32,62,439.45
9. HAM EQUIPMENT & ACCESSORIES	4,88,923.00	Nil	Nil	Nil	4,88,923.00	1,62,169.66	Nil	49,013.00	2,11,182.66	2,77,740.34	3,26,753.34
10. TELESCOPE & ACCESSORIES	8,22,982.00	Nil	Nil	Nil	8,22,982.00	2,72,132.94	Nil	82,627.36	3,54,760.30	4,68,221.70	5,50,849.06
11. DIGITAL LIBRARY	9,50,000.00	Nil	Nil	Nil	9,50,000.00	5,70,000.00	Nil	2,28,000.00	7,98,000.00	1,52,000.00	3,80,000.00
TOTAL OF CURRENT YEAR	3,48,99,747.37	3,10,883.00	10,24,555.00	Nil	3,62,42,855.37	2,05,59,276.08	Nil	30,84,703.54	2,36,43,979.62	1,25,91,205.83	1,43,40,471.37
PREVIOUS YEAR	3,07,11,012.45	34,36,525.00	7,52,210.00	Nil	3,48,99,747.45	1,57,91,969.39	Nil	47,67,306.69	2,05,59,276.08	1,43,40,471.37	1,49,19,043.06

SCHEDULE 5

CURRENT ASSETS, LOANS, ADVANCES ETC.

A. CURRENT ASSETS:	Current Year		Previous Year	
	Current Year	Previous Year	Current Year	Previous Year
1. Inventories:				
a) Stores and Spares	Nil	Nil	Nil	Nil
b) Loose Tools	Nil	Nil	Nil	Nil
c) Stock- in -Trade	68,74,561.82	68,74,561.82	Nil	Nil
2. Sundry Debtors	19,18,472.71	19,18,472.71	Nil	Nil
3. Income Tax Deducted at Sources	15,125.00	15,125.00	Nil	Nil
4. Cash balances in hand	4,122.00	4,122.00	Nil	Nil
5. Bank Balances: In Savings Accounts	2,36,08,179.10	2,36,08,179.10	Nil	Nil
6. Fixed Deposit	61,81,049.00	61,81,049.00	Nil	Nil
Total (A)	3,86,01,509.63	3,86,01,509.63	2,97,48,950.25	2,97,48,950.25

SCHEDULE 5

CURRENT ASSETS, LOANS, ADVANCES ETC.

B. LOANS, ADVANCES AND OTHER ASSETS

	Current Year	Previous Year
1. Loans: Staff (HBA)	-	2,12,538.00
2) Motor Cycle Advance	25,000.00	-
2. Advances and other amounts recoverable in cash or in kind or for value to be received:		
a) Advances for Activities		
Project of IT based S&T Promotion	1,50,000.00	1,50,000.00
Marathi Vidyan Parishad	85,000.00	1,05,000.00
NEHU, Shillong	28,113.00	28,113.00
TV Programme (CEC)	2,50,000.00	2,50,000.00
Adv. VHAP	18,525.00	18,525.00
Adv. Publication	15,500.00	15,500.00
Indian Institute of Tamil Studies, T.N.	34,269.00	34,269.00
Adv. AIR,Kolkata	3,93,463.00	Nil
Tamil Nadu Science & Technology Centre	2,46,000.00	3,13,500.00
	12,20,870.00	13,08,370.00
b) Pre-Payment		
Pre-Payment(PC-e Systems)		
Pre-Payment (Lipi Data System Ltd.)	7,685.00	20,536.00
c) Others	29,214.00	-
Dev. Of open ended programme	1,77,945.00	1,77,945.00
Adv. A.V-code	1,96,048.00	1,98,200.00
Security- DAVP	25,000.00	25,000.00
Security- NCSTC Communication	1,400.00	1,400.00
Security- Lease premises	2,77,984.00	2,64,747.00
Employee advance	10,000.00	8,498.00
Maintenance of Kiosks	57,100.00	57,100.00
Security (Library)	500	500.00
Adv.DGS & D	7,79,356.00	3,78,789.00
Adv.Kerala Shastra Sahitya Parishad	1,00,000.00	Nil
Adv. NAM S&T	2,00,000.00	2,00,000.00
Adv.Gujrat Council of Science City	70,375.00	70,375.00
Adv. HARSAC,Hissar	4,332.00	1,20,750.00
LTC (Advance)	1,00,000.00	11,745.00
Adv-Dayanand Education Society, Latur	11,000.01	Nil
Adv.ADM College for Woman,Tamilnadu	3,250.00	3,250.00
Adv. Agarkar Research Institute,Pune	5,26,629.00	5,56,000.00
Adv.M/s Mecon Ltd.	15,00,000.00	15,00,000.00
Adv.IIT,Kanpur	5,72,795.00	1,92,795.00

Schedule 5 continued

Schedule 5 continued

Security: Telephone	11,000.01		11,000.01		11,000.01
Adv. A P State Council for S&T,Itanagar	2,900.00		2,900.00		2,900.00
Adv.ASTEC,Gwahati	4,46,500.00		4,46,500.00		4,46,500.00
Adv. C G Council of S&T,	3,250.00		3,250.00		3,250.00
Adv.Nehru Planetarium, Delhi	75,000.00		75,000.00		Nil
Adv.Council of S&T,UP,Lucknow	7,500.00		7,500.00		7,500.00
Adv.Goa State Council for S&T	10,750.00		10,750.00		10,750.00
Adv.MASTECC,Manipur	79,500.00		79,500.00		79,500.00
Adv. Mizoram Council for Science, Technology & Env.	1,00,350.00		1,00,350.00		1,00,350.00
Adv. M/s Interlanco Communication, Madrid, LA	10,869.00		10,869.00		10,869.00
Adv. IIM, Noida	5,000.00		5,000.00		-
Adv. Punjab State Science & Technology Council	1,04,500.00		1,04,500.00		-
Adv. Raman Science Center	1,500.00		1,500.00		-
Adv. Science Center, Gwalior	1,30,000.00		1,30,000.00		-
Adv. Srujnika	55,000.00		55,000.00		-
Adv. M S Swaminathan Research Foundation, Pondicherry	6,500.00		6,500.00		6,500.00
Adv.NYASS Trust, Thane, Maharashtra	1,50,000.00		1,50,000.00		75,000.00
Adv. Office of District Magistral, Midnapur, West Bengal	3,250.00		3,250.00		3,250.00
Adv.Principal, Sikkim Govt College, Gangtok	3,250.00		3,250.00		3,250.00
Adv.Seminar/Meeting	15,000.00		15,000.00		-
Adv. State Council for S&T and Environment, Shimla	10,750.00		10,750.00		10,750.00
Adv.TA	30,000.00		30,000.00		83,317.00
Adv. Dr.V.B. Kamble	53.00		53.00		11,970.00
Adv. Indian Association for Science Fiction Studies	-		-		70,000.00
Adv. Karnataka Rajya Vijnana Parishad, Bangalore	15,500.00		15,500.00		15,500.00
Adv. M/s Harkara	9,88,768.00		9,88,768.00		3,95,507.00
Adv. M/s Orbit	12,91,560.00		12,91,560.00		4,13,485.00
Adv. Teri Delhi	4,400.00		4,400.00		4,400.00
Adv. Tripura Science Forum, Tripura	30,000.00		30,000.00		30,000.00
Adv. AIR, Agartala	46,000.00		46,000.00		46,000.00
M/s Grey Films	16,17,983.00		16,17,983.00		6,47,193.00
Adv. M/s Istylus, Delhi	12,64,050.00		12,64,050.00		5,05,620.00
Security Post Office	20,000.00		20,000.00		20,000.00
3. <u>Income Accrued</u>				1,11,50,737.01	67,81,455.01
i) Interest on HBA to staff					1,88,600.00
TOTAL (B)			1,24,34,006.01		85,11,499.01
TOTAL (A + B)			5,10,35,515.64		3,82,60,449.26

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307 INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31/03/2009

INCOME	Schedule	Current Year	Previous year	Amount (Rs.)
Income from Sales	6	28,94,839.00	10,25,837.30	
Grants	7	8,76,00,000.00	8,00,00,000.00	
Interest Earned	8	15,05,072.00	16,28,164.00	
Other Income	9	8,03,910.00	7,10,713.20	
Increase/decrease in Stock	19	68,74,561.82	-	
TOTAL (A)		9,96,78,382.82	8,33,64,714.50	
EXPENDITURE				
Programme/Activity Expenses	10	5,75,46,292.00	5,58,71,183.00	
Establishment Expenses	11	1,46,57,755.00	85,23,277.00	
Other Administrative Expenses etc	12	1,29,58,886.94	94,81,026.90	
Depreciation (Net Total at the year-end – corresponding to Schedule 4)		30,84,703.54	47,67,306.69	
TOTAL (B)		8,82,47,637.48	7,86,42,793.59	
Balance being excess of Income over Expenditure (A-B)		1,14,30,745.34	47,21,920.91	
BALANCE BEING CARRIED TO GENERAL RESERVE/CAPITAL FUND		1,14,30,745.34	47,21,920.91	
Notes on Accounts & Accounting policies	13			

Signed as per our report of even date attached
For K B L Agrawal & Co.
Chartered Accountants

Sd/-
(D D AGRAWAL)
Partner

Sd/-
(J. K Chandel)
Accounts Officer

Sd/-
(Somesh C Jhingan)
Registrar

Sd/-
(Dr. V.B. Kamble)
Director

Date : 14/09/2009
Place: New Delhi

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31/03/2009

SCHEDULE 6

		Amount (Rs.)	
<u>INCOME FROM SALES</u>		Current Year	Previous Year
1)	<u>Income from Sales</u>		
	Sales	28,94,839.00	10,25,837.30
	TOTAL	28,94,839.00	10,25,837.30

SCHEDULE 7

		Amount (Rs.)	
<u>GRANTS</u>		Current Year	Previous Year
1)	Central Government	8,76,00,000.00	8,00,00,000.00
	TOTAL	8,76,00,000.00	8,00,00,000.00

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307

SCHEDULE 8

<u>INTEREST EARNED</u>	Current Year	Previous Year
1) On Savings Accounts:		
a) With Scheduled Banks	9,27,130.00	11,53,629.00
b) On Fixed Deposit	5,62,695.00	4,53,697.00
2) On Loans:		
a) Accrued interest on HBA (Staff)	15,247.00	20,838.00
TOTAL	15,05,072.00	16,28,164.00

SCHEDULE 9

<u>OTHER INCOME</u>	Current Year	Previous Year
1) Miscellaneous Income	21,076.00	14,819.50
2) Project receipt	-	56,000.00
3) Royalty Received	22,500.00	12,912.00
4) Amount written back	-	66,794.70
5) Overhead Income	7,49,022.00	5,60,187.00
6) Prior period income	11,312.00	-
TOTAL	8,03,910.00	7,10,713.20

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307

SCHEDULE 10

PROGRAMMES/ACTIVITIES EXPENSES		Current Year	Previous Year
1)	VIPRI Clipset	77,783.00	99,281.00
2)	Publication	2,07,860.00	8,44,299.00
3)	Translation	-	5,104.00
4)	Vigyan Prasar newsletter	66,20,513.00	68,82,438.00
5)	Seminar/meeting	3,91,132.00	6,31,334.00
6)	WEB/Homepage	3,78,511.00	3,05,405.00
7)	Book Fair	77,368.00	2,33,893.00
8)	Radio Programme	-	1,80,582.00
9)	Royalty (Publication)	1,06,644.00	99,719.00
10)	VIPNET Workshop	4,39,666.00	2,30,074.00
11)	Broadcast fees (WorldSpace Radio)	2,42,51,710.00	2,16,49,776.00
12)	Audio Programme	20,000.00	14,29,940.00
13)	Replication of CD	41,438.00	5,23,148.00
14)	VIPNET Newsletter	10,46,423.00	10,47,046.00
15)	Workshop /Orientation Programme	17,57,521.00	13,56,362.00
16)	Programme on Science Communication	1,29,84,750.00	50,78,770.00
17)	Visual book	-	1,000.00
18)	Bio-diversity and weather Kits	3,03,285.00	-
19)	CD on Fun with Physics	18,538.00	-
20)	Programme in Physics in School Level	7,919.00	4,46,660.00
21)	Video Films	2,11,769.00	18,26,428.00
22)	Meeting on Hindi Days	87,696.00	43,120.00
23)	CD on optics	21,230.00	49,154.00
24)	Physics kit	-	11,87,280.00
25)	Programme on Planet Earth	55,08,274.00	11,36,342.00
26)	Quiz Programme	13,37,982.00	1,04,64,313.00-
27)	Sponsorship/Registration Fees	1,000.00	41,874.00
28)	Summer Camp with Rail Museum	61,189.00	76,141.00
29)	Training Fees	-	1,700.00
30)	Lecture/Chat Session	84,570.00	-
31)	Programme on International Year of Astronomy	8,88,173.00	-
32)	Project on India Bio-Diversity Literature	5,12,351.00	-
33)	Science Fiction Conference	1,00,000.00	-
TOTAL		5,75,46,292.00	5,58,71,183.00

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307

SCHEDULE 11

ESTABLISHMENT EXPENSES		Amount (Rs.)	
	Current Year	Previous Year	
1) Salaries and Wages	1,25,04,532.00	78,75,144.00	
2) Bonus	58,473.00	29,604.00	
3) Contribution to Provident Fund (CPF contribution & Intt.)	11,97,580.00	5,04,329.00	
4) Others (Honorarium / Stipend)	77,000.00	1,14,200.00	
5) Pension	2,81,520.00	-	
6) Retirement Gratuity	3,43,187.00	-	
7) Children Educational Allowance	86,085.00	-	
8) Leave Encashment	1,09,378.00	-	
TOTAL	1,46,57,755.00	85,23,277.00	

SCHEDULE 12

OTHER ADMINISTRATIVE EXPENSES ETC.		Amount (Rs.)	
	Current Year	Previous Year	
Purchase	47,87,932.00	-	
Electricity and power	67,415.00	60,986.00	
Insurance	55.00	3,334.00	
Repairs & maintenance	4,27,286.00	3,09,821.00	
Rent, rates and taxes	15,00,918.00	14,04,682.00	
Postage, Telephone and Communication Charges	6,15,319.44	9,12,141.50	
Printing and Stationery	4,79,304.00	7,37,066.00	
Traveling and Conveyance Expenses	18,11,226.00	32,15,787.00	
Subscription Expenses	61,127.00	61,632.00	
Auditors Remuneration			
i) Audit fee		Rs. 18,540.00	
ii) Out of pocket exps.		Rs. 12,000.00	
		30,540.00	
Hospitality Expenses	26,040.00	1,10,438.00	
Professional Exps.	14,826.00	21,366.00	
Irrecoverable Balances Written-off	38,769.00		
Advertisement and publicity	9,87,399.90	4,30,971.00	
Others	3,31,350.00		
i) Newspaper	24,526.00	93,058.00	
ii) Bank Charges	2,977.50	23,814.00	
iii) Consumable	12,97,201.00	344.00	
iv) Prior Period Expenses	1,51,045.00	7,06,113.00	
v) LTC	90,015.00	1,59,822.00	
vi) Medical Reimbursement	38,973.00	37,651.00	
vii) Cartage & Carriage Inwards	70,361.00	43,969.00	
viii) Display Board	-	35,272.00	
ix) Integration Fees	-	69,320.00	
x) Discount	9,05,017.00	30,000.00	
xi) Office Expenses	2,12,704.00	-	
TOTAL	1,29,58,886.94	94,81,026.90	

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307

SCHEDULE 19

INCREASE (DEDREASE) IN STOCK OF FINISHED GOODS & WORK IN	Amount (Rs.)	
	Current Year	Previous Year
A) Closing Stock		
- Finished Goods	68,74,561.82	-
- Work in Progress	-	-
(B) Less: Opening Stock	0	-
- Finished Goods	-	-
- Work in Progress	-	-
TOTAL	68,74,561.82	-

VIGYAN PRASAR, A-50, INSTITUTIONAL AREA, SECTOR-62, NOIDA-201307 RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31/03/2009

RECEIPTS	RECEIPTS		PAYMENTS		Amount (Rs.)	
	Current Year	Previous Year	Current Year	Previous Year	Current Year	Previous Year
I. Opening Balances						
a) Cash in hand	9,129.00	4,906.00			5,75,46,292.00	5,58,71,183.00
b) Bank Balances	2,34,92,702.37	1,92,05,405.95			1,46,57,755.00	85,23,277.00
i) Savings accounts	56,18,354.00	51,64,657.00			1,29,58,886.94	94,81,026.90
ii) Fixed Deposit						
II. Grants Received						
a) From Government of India	8,76,00,000.00	8,00,00,000.00				
b) From other sources (details)						
i) NSTMIS	3,11,147.00	5,31,115.00			6,03,549.00	1,91,497.00
ii) SERC	2,30,333.00	2,00,000.00			2,38,295.00	2,93,420.00
iii) GLP Project	-	-			5,42,561.00	44,000.00
iv) IDRC Project	-	-			-	1,70,455.00
v) Science & Society	6,27,500.00	-			89,012.00	2,76,934.00
vi) Women in Science	2,75,000.00	6,10,220.00			15,169.00	-
vii) International Division	-	1,54,200.00			14,000.00	-
viii) Office Building grant	50,00,000.00	-			50,00,000.00	-
III. Interest Received						
On Saving Account	9,27,130.00	11,53,629.00			13,35,438.00	41,88,735.00
On Fixed Deposit	5,62,695.00	4,53,697.00				
IV. Other Income (Specify)						
a) Receipt against Sales	28,94,839.00	10,25,837.30			1,21,01,901.65	8,51,791.68
b) Receipt from Projects	-	56,000.00				
c) Misc. Receipt	21,076.00	14,819.50				
d) Interest on HBA	15,247.00	20,838.00				
e) Royalty received	22,500.00	12,912.00			4,122.00	9,129.00
f) Amount Written Back	-	66,794.70				
g) Overhead Income	7,49,022.00	5,60,187.00			2,36,08,179.10	2,34,92,702.37
h) FCT Sales	-	10,00,000.00			61,81,049.00	56,18,354.00
i) Prior Period Income	11,312.00	-				
j) Increase of Stock	68,74,561.82	-				
V. Amount Payable						
Increase/ Decreases in Current Liabilities	(-),3,46,005.50	(-),11,83,031.50				
TOTAL	13,48,96,209.69	10,90,52,186.95	13,48,96,209.69	10,90,52,186.95	13,48,96,209.69	10,90,52,186.95

Signed as per our report of even date attached
For K.B.L. Agrawal & Co.
Chartered Accountants

Sd/-
(D D AGRAWAL)
Partner

Sd/-
(J.K Chandel)
Accounts Officer

Sd/-
(Somesh C Jhingan)
Registrar

Sd/-
(Dr. V.B. Kamble)
Director

Date : 8/9/2009
Place: New Delhi.

ANNEXURE III

REPLY TO AUDITOR'S REPORT

We report that:

- I. We have obtained all the information and explanation, which to best of our knowledge and belief were necessary for the purpose of the audit. : Para I, II (a), (b) narration of facts, hence no reply.
- II In our opinion, proper books of accounts have kept by the society for our examination, subject to the points mention below and in the notes to accounts mentioned in schedule 13 of the Balance Sheet as at 31.03.2009.
- (a) The Society has maintained books of accounts on accrual basis. However the Society has adopted cash basis system in following cases.
- * Payment to employees for salary,
 - * Leave encashment, Gratuity etc,
 - * Payment to auditors.
- (b) During our audit we have noted that accounts have been prepared in accordance with applicable mandatory accounting standards. Subject to default of the following Accounting Standards:-
- (i) AS-10 Accounting for Fixed Assets
 - (ii) AS-12 Accounting for Government Grants
 - AS-15 Employee Benefits
- (c) Fixed assets register has not been produced and there is no record provided for the current position of fixed assets for the purpose of our verification, however ledgers are maintained in the books of accounts for the same. Depreciation on fixed assets have been provided on written down value method as per rates provided in the provision of Income Tax Act 1961, except in the case of library : Fixed Assets Register is not being maintained since 2003-04. But the entries of fixed assets are fully computerized and are available in database generated for the purpose with all information available therein. This was done to reduce the paperwork and all information was available and made available to the Audit. Valuation of fixed assets is

books rate of depreciation taken as 10% on written down value basis.

done on the basis of entries made in the database. Valuation of fixed assets so made is shown in the Balance Sheet which is regularly certified by the statutory auditors. A committee is constituted every year by VP for physical verification of the assets.

(d) During our audit we have found that Vigyan Prasar has received grant for office building of Rs. 50,00,000 , which was not taken into Grant head or their sub heads, but they did direct payment for office building , which is wrong treatment as per AS-12. Now it has been rectified.

The land at Sector 62,Noida on which office complex for VP is proposed to be built belongs to DST. All the liabilities for payment concerning this land are that of DST. The payment of Rs.50.00 lakhs released for this purpose by DST was, therefore, correctly not considered as grant. However, this has now been done on the instance of audit.

(e) We have noted that there is violation of provisions of AS-15, As per AS-15 it is required to make valuation of gratuity, superannuation/ pension & accumulated leave of employees on actuarial basis and to be provided at the year end but there is no practice for the same.

This has been stated by the auditors at point II(a) of the audit report that the payment of salary etc. is being done on cash basis. This, therefore, becomes a disclosed fact of our accounting policy. Since, the payment of gratuity and leave encashment is part of employees emoluments, keeping provision for the same in the year is, therefore, not required.

(f) During our audit we have noted that there are discrepancies in cash book.

The details are as under:-

Date	Head Dr.	Head Cr.	Amount	Remarks
4/9/2008	Workshop/ Orientation programme		10000	Advance given to Arvind Ranade of Rs. 10000
		Advance Seminar/Meeting	6846	Actual expenditure is Rs. 6846 balance Rs. 3154 to be paid back ,VP paid that amt again
		Cash	3154	resulting in effect of Rs 6308 short in cash. But while doing cash verification no such difference seen
28/11/2008	Meeting on hindi days Seminar/meeting		85656	An advance given to Mr. Kapil Tripathi for hindi day celebration, he has given the details of Rs. 85656 rest amt to be received in cash. But they booked Rs. 16344 in the head of seminar/
		Advance hindi Day celebration	102000	meeting although no expense incurred in such Ac
Cash Balance as per Books of A/c		Cash Physically Found		Remarks
26/08/2009	20844	20814		During our cash verification we have found there was difference of Rs. 30.

Discrepancy in cash book:

*Verification of all the vouchers of the referred months is under process and error, so detected will be rectified by making suitable entries.

** The amount was incurred on seminar on biodiversity held at ARI, Pune. The vouchers of expenditure are available on record which can be verified by auditors on their next visit. The approval of Director for the above seminar already exists.

*** In fact, this amount was not short, but, was given for purchase of some item of urgent need just before the verification by auditors. The Auditors were verbally informed.

* Also we have noted that during the year there was negative cash balance in the cash book which is not possible practically. The details are as under:-

<u>Date</u>	<u>Dr.</u>	<u>Cr.</u>	<u>Balance</u>
9/04/08	120000	20000	105719 Dr.
10/04/08 to			
16/04/08	-	109840	4121 Cr.
17/04/08	20000	3000	12879 Dr.

* Bearer cheques to various employees have been issued for advances against Seminar / workshop / expenses and book for expenses / advances in bank book. We again recommended to strengthen the internal control over cash and bank and maintenance of Primary books properly.

(g) During our audit we have noted that, there is violation of provisions of Sales Tax Act. They have registered with Sales Tax vide Reg. No. LC/101/189370/0896, but they are not filing sales tax returns, although as per provisions of Sales Tax Act. They are suppose to file sales tax return, even if there is no sales tax liability (i.e. NIL RETURN)

(h) During our checking we have done test basis physical verification of Inventory as on 27th August 2009, where we have checked only 45 items out of 274 items & we have found that in all cases there is difference in physical stock from book balances.

For Details please refer **Annexure -1(a) of Auditors Report .**

Regarding negative cash balance in the cashbook, it is submitted that VP makes two types of withdrawal from bank e.g. one for meeting day-to-day petty expenditure another for incurring expenditure for workshops / seminars / meetings. The second withdrawal is made in lump sum. The balance out of this withdrawal is again deposited in the bank. On a few occasions the balance amount withdrawn for petty expenses falls short to make payment, which is adjusted from the surplus amount withdrawn for the meetings etc. The deficit is made good from the subsequent withdrawal from the petty expenses. This sort of transaction creates shortage of cash in cashbook on a particular day which is technically not a shortage of cash.

*Regarding issue of bearer cheque to employees as advance against seminar / workshops, this practice has already been stopped.

Regarding filing of sales tax return, it is submitted that VP makes sale of its publications on a cost little above the printing cost for meeting the overheads and not earning profits. To get rid of the liability to file nil sales return every year, it would be better to surrender the sales tax registration with the Commissioner of Sales Tax.

In this context it is submitted that the Auditors verified the balances as on 27.8.09 with the list showing position of stock balances as on 31.3.09. The items of goods/stock issued during the period in between have not been accounted for by the auditors despite the fact that the stock position is in order. The deficit pointed out by auditors is result of the same. However, it is pertinent to mention here that physical verification of stock / dead stock does not fall within the purview of statutory auditors. In this connection Para 89 of CAG MSO, Vol.I, refers.

- (l) During our audit we have noted that in most of the cases double entry system of accounting is not followed properly, like amount paid directly by cheque without preparing Party Account in their books of accounts. For example, in the following cases:-
- (i)M/s PC-e systems
 - (ii)M/s Media Clipping Bureau
 - (iii)M/s Sapphire House keeping Services (P) Ltd.
 - (iv)M/s Shorya Kamal Associates
 - (v)M/s Lap Care Computers
 - (vi)M/s Infinium(l) Ltd
 - (vii)M/s Aravali Printers & Publishers (P) Ltd.
 - (viii)M/s Pulse Media Pvt. Ltd.
 - (ix)M/s Uttranchal Road Carriers
 - (x)M/s Multicolour Services
- (j)During our audit we have noted the following points in the case of **PC-e Systems Pvt Ltd** :-
- (i)Party A/c has not been prepared that's why we can not verify all the transactions at a single place.
 - (ii)So many purchases order and AMC work has been given to the party but neither proper quotations have been received nor proper comparatives has been prepared for finalizing the order.
 - (iii)During the year no adjustment has been done for pre-payment made last year of Rs. 20536, but other payments was releasing regularly.
- (k) In the case of DGS & D we have noted that there was an opening balance as on 1st April'08 of Rs. 378789/- and as on 24th April'08 again advance payment of Rs. 400567/- has been done for 2 no's of photocopy machines. But during the year no amount adjusted against delivery of photocopy machines and no bill has been inserted in the books, although the
- : Normally, the party accounts are opened only in case of those parties with whom the financial transactions are open throughout the year. The cases quoted by the audit are those wherein the first and final payments were made.
- : The details of transactions during the year are available and can be verified / provided to the audit as and when required.
- : This observation is not acceptable, as all codal formalities as per GFR are followed while giving contract of purchase order and AMC work. This could be shown to audit as and when required by them.
- : As per our records no such pre-payment is pending for adjustment.
- : Noted for compliance.

following bills were received. The details are as under:-

<u>Invoice No</u>	<u>Date</u>	<u>Party</u>	<u>Amount</u>
111131-0397	8/07/08	HCL Infosystems	2, 22,196
111131-0445	25/07/08	HCL Infosystems	1, 77,402

(l) In the case of Sapphire Housekeeping Services (P) Ltd. We have noted some Discrepancies which are as follows:-

(i) Quotations for providing contract employees received from various parties, and on the basis of quotations comparative were made, but basis for preparing comparative is taken only percentage of agent commission payable to the parties. Neither the cost of employee per day rate is considered nor did net cost to company considered by the management for finalizing the contract.

(ii) Rates given by the party for employees per day is not been followed at the time of payment.

(iii) Proper party account has not been prepared although every month payment released.

(m) During our checking we found the Deposit Reinvestment Certificates, which are available physically but did not exist in their books of accounts since it has made. The details are as under:-

<u>A/c No.</u>	<u>Date</u>	<u>Bank Name</u>	<u>Amount</u>
270	29/04/03	Union Bank of India	1, 00,0002.
43921	23/11/04	Union Bank of India	7, 00,0003.
44753	25/05/05	Union Bank of India	6, 00,000

: M/s Sapphire was given contract to provide manpower for VP on the basis of lowest commission charges quoted by him. In addition, the persons hired through the firm have been paid wages in accordance with his / her technical skills. These rates were negotiated with the firm on case to case basis.

: Noted for compliance.

(n) During our audit we have found that in the case of employees, the following discrepancies have found.

- They have not prepared form 16 properly.
- And they have not collected basis for deduction u/s 80C and other deductions. For details please

The point raised by the auditors is not in order. Form 16 is prepared correctly on the basis of available information. Deductions from taxable income under section 80C are allowed as per the original produced by the income tax payees of VP and were returned to the claimants after verification.

Annexure-2 of Auditors Report .

(o) During our audit we have observed in the case of **M/s Uttranchal Road Carriers** neither quotation received nor comparative basis is prepared for giving contract to the party. The detail of his payment is as under:

As the material was to be dispatched urgently to Rajiv Gandhi Shiksha Mission, Chhattisgarh, and for the same the organization was pressing hard. The freight charges incurred by this office on the shipment of books were reimbursed by the Rajiv Gandhi Shiksha Mission to this office. In view of this no quotations were called for.

Invoice No.	Date	Party Name	Amount
084	26/02/09	Uttranchal Road Carriers	58,406

III. In our opinion and to the best of our information and according to the information given to us, the said account read with notes thereon give a true and fair view.

Narration of facts, hence no comments.

- i) In the case of the Balance Sheet of the state of affairs of the above named society as at 31st march 2009 and
- ii) In the case of the Income & Expenditure account of the excess of income over expenditure of its accounting year ending on 31st March 2009.

Notes to Accounts and Accounting Policies: 2008-2009

1. advances of Rs. 124,26,321/- (Previous Year Rs. 85,11,499.01/-) out of which entries comprising to Rs. 13,23,757/- are outstanding for more than 3 years, given for various programmes / activities have not been square up due to non-receipt of bills / copy of accounts.

Advance given to the institution/organization for various programmes/activities to be undertaken by them on behalf of Vigyan Prasar will be adjusted on receipt of adjustment of accounts. Action has been initiated in this regard.

2 Debtors as at 31.03.2009 Rs 19,69,198.21/-.(Previous year Rs. 6,13,639.88)Out of which Rs. 21,038/- are outstanding for more than 3 Years.

Efforts will be made to liquidate these debtors during current financial year and the amount which is insignificant will be written off as bad debts.

3. figures for previous year have been re-grouped/ re-arranged or corrected, wherever it was found necessary.

No Remarks

4. During our audit we have found some other discrepancies. The details are as under:-

S.No	Particulars	Amount	Remarks	Reply by VP
1	Adv Shri B.K. Tyagi	9127	Their was an opening balance of Rs. 2500 and during the year again Rs. 6627 has been given, but no expense details received and adjusted from this A/c	The amount to be recovered during this current financial year
2	Adv AV Code Ahmedabad	2152	Received cheque as on 03/06/08 but the same has not yet presented to bank	Necessary correction has been made
3	Library books	2714	Cheque issued on 24/07/08 but not yet presented by the party .Now it has been reversed due to expiration of cheque.	No remarks
4	Adv LTC	4322	Amount given to Director, Deptt. S&T Ddlyagan) Pori Blair for Rs. 40855 on 9/09/08. Not yet adjusted. Cheque received from party as on 9/05/09 but not yet presented to bank. Balance Rs.322 recovered on 9/05/09	Cheque deposited into bank on 09.03.09The letter has been issued to bank to credit the amount into VP account.
5	Adv Postage	19000	Postage and Adv under head Rectified	Necessary correction has been made.
6	Advance TA	6190	Advance given for seminar of Rs. 45000. As per expense detail total expenditure is Rs. 38810, balance amount of Rs. 6190 adjusted from Advance TA instead of Advance Seminar.	No remarks
7	Computer /Peripherals	3720	Expense of revenue nature but wrongly capitalised so now rectified	No remarks
8	Computer /Peripherals	604781	Expense of revenue nature but wrongly capitalised so now rectified	No remarks
9	Computer /Peripherals	10372	Expense of revenue nature but wrongly capitalised so now rectified	No remarks
10	Computer /Peripherals	113568	Same entry entered twice as on 31/03/09.Now rectified	No remarks
11	Office Equipment	15392	Batteries purchased for Laptop of Dr. Kamble, Wrongly capitalised under office equipment instead of Computer/peripherals. Now rectified	No remarks
12	Advertisement Expenses	73793	Same entry entered twice.Now rectified	No remarks
13	Central Sales	2266240	Actual nature was purchase but wrongly entered in the Name of Central Sales. Now rectified	No remarks
13	Adv TA	30000	Advance given to Sandeep Baruah on 20/08/08 of Rs. 25000 and to Arvind Ranade on 7/10/08 of Rs. 5000. Not adjusted yet	Advance adjusted



