# NETWORK OF ORGANIZATIONS FOR SCIENCE AND TECHNOLOGY COMMUNICATION

# **Annual Report**

2022 - 23



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# **ABOUT NOSTC:**

The Network of Organizations for Science and Technology Communication (NOSTC) was formed about 34 years back with the objectives of initiating and implementing coordinated programs of science outreach in association with government and non-government organizations. National Council of Science and Technology Communication, Department of Science and Technology, New Delhi catalyzed the formation of this organization. It is a registered body guided by a Board of Governors with headquarters at Delhi. It has about eighty members spread in all states and union territories. Volunteers in districts lend it great strength and capability for implementing projects that reach the common man and woman. It has shaped and reshaped the Children's Science Congress every year for the past 21 years giving it more features to make it enriching for all participants. It has organized the Teachers' Science Congress over the past fourteen years giving a platform for innovative science and math teachers. Network provides platform for interacting with eminent scientists and encourages young budding scientists also. The Network led the nation in observing the Year of Scientific Awareness in 2004 and International Year of Physics (Appreciating Physics in Everyday Life) 2005. It undertook a three year campaign for Planet Earth 2007 and is drawing up ambitious plans for the future. It has many publications in Hindi, English and regional languages that are always in demand. The Network welcomes new members to improve the planning and implementation of its programs. It seeks new areas in development communication, technology outreach and promotion of innovation over the next few years. Even as rapid developments impact on society, the next phase promises to be even more exciting and rewarding.

# (I) Composition of BoG members and highlight of 29th BoG meeting.

- 1. Er. Anuj Sinha Chairman
- 2. Shri S. K Sinha Convenor
- 3. Smt. Sandhya Verma Co-convenor
- 4. Dr. Kishor Manohar Rahe Treasurer
- 5. Shri Girish Kadlewad Member
- 6. Shri Suchant Kr. Pan Member
- 7. Shri Zaffer Ulla Khan Member
- 8. Shri Surender Dighe Member
- 9. Shri Andrew Ahoto Semi Member
- 10. Shri Santu Thapa Member
- Dr. Satender Singh Member
- 12. Shri DNS Anand Member
- 13. Dr. Joicy Rai Member
- 14. Dr. Narrotam Sahoo Member
- 15. Shri Sabbir Ahemed Member

# NOSTC - Today and Tomorrow

# **The Beginning**

DST (The Department of Science and Technology, New Delhi) realized the need for an active field group for effective implementation of science outreach experiments in the late 80s. A systematic consultation was organized with representatives of government departments, autonomous agencies, research laboratories and voluntary organizations. A unique constitution evolved with over 98 leading government and non-government organizations formally joining to form NCSTC Network in 1990/91. The hub and spoke model ensured operational flexibility.

While National Council for Science and Technology Communication, DST was devoted to framing policies and supporting innovative programs, Vigyan Prasar (an autonomous institution under DST) had the mandate for large scale development and distribution of popular science books, kits, films and videos and NCSTC Network gave shape to field programs.

#### **Some Milestones**

Early in its existence the NCSTC Network shaped and piloted the Children's Science Congress enlarging the model of Madhya Pradesh started by Science Center, Gwalior. The annual program encourages young researchers to work in teams, attempt a solution to a local problem using science and present their research at district congresses. Innovative projects are selected for state congresses and best projects make it to National Children's Science Congress.

Bharat Jan Gyan Vigyna Jatha was a unique effort weaving science communicator across the length and breadth of the country in 1991/92. Trained cultural troupes engaged with communities at each halt and raised awareness on local issues including nutrition, immunization, water conservation, etc.

Innovative school science teachers had been requesting a forum to exchange their ideas on difficult to teach concepts. Science Center Gwalior took the lead and commenced the Teachers' Science Congress in 2001. NCSTC Network has ensured that more teachers are able to meet and share their experiences at such platforms every alternate year.

Year of Scientific Awareness (2004), Year of Understanding Physics (2005), Year of Planet Earth (2007) and many other innovative large-scale campaigns including Total Solar Eclipse, Transit of Venus, etc., have been organized with full support of active members of the Network.

A social audit by a committee of experts highlighted the contribution of this organization in improving science awareness across various stake holders. Individual members have organized training programmes for science communicators, development of new software and science exhibitions.

#### **New Programmes**

The Network is now registered as NOSTC (Network of Organizations for Science and Technology Communication, Delhi) and has a strength of 98 members across all states and union territories. It is guided by a 13-member Board of Governors with Er Anuj Sinha as Chairman and a General Body of all members with Prof Yash Pal as President.

**NOSTC** proposed new initiatives and developed collaborative and standalone projects for the next two years. These include –

- Exhibition on 75 Years of Science and Technology
- Developing skill in Science Journalism in Digital Age:
- Guiding Innovative CSC Projects for Startups at IIIF,
- Turning Point of NCSTC,
- CSC Delhi 2022

# Reading and Scientific Literacy Mission (2022-23)

As per NCSTC Framework - DST, Govt. of India

#### Preamble:

#### **Revised Vision Statement:**

To cultivate a society enriched with scientific awareness by ensuring access to diverse and high-quality reading materials, fostering active participation through community-centric initiatives, and embedding the principles of curiosity, inquiry, and logical reasoning among all citizens.

#### **Core Components:**

#### Access to Quality Scientific Content:

Promote availability of science-oriented resources in regional languages—including books, journals, CDs, DVDs, and digital formats—sourced from esteemed institutions such as Vigyan Prasar, National Book Trust (NBT), Eklavya, CSIR—NIScPR, and others.

# • Inclusive Community Participation:

Encourage the involvement of educational institutions, libraries, women's collectives, senior citizens, and rural populations. Activities will be tailored to accommodate varying levels of literacy and age demographics.

# • Development and Validation of Content:

Collaborate with writers, translators, and educators to produce content that is age-appropriate, culturally relevant, and scientifically sound. Local authors and publishers will be supported and incentivized to contribute.

# Key Initiatives (2022-23):

# 1. Thematic Literacy Drives:

Reading campaigns centered on annual themes like health, environment, innovation, and sustainability, supplemented with contests and community discussions.

# 2. Book Review & Presentation Contests:

Participants engage with themed literature and share insights via reviews, essays, speeches, or visual presentations.

# 3. Library Revitalization Programs:

- Orientation visits to public libraries.
- Establishment of community libraries with donated books and volunteer librarians.

#### 4. Creative Science Communication Workshops:

Sessions on storytelling, theatre, cartooning, and digital media to creatively disseminate scientific ideas.

#### 5. Intergenerational Reading Circles:

Interactive reading sessions bringing together youth and elders for shared learning and dialogue.

#### 6. Science Book Fairs and Exhibitions:

Organized with support from local bodies and NGOs to promote affordable, accessible science literature.

#### **Anticipated Outcomes:**

- Enhanced scientific awareness and reading proficiency among newly literate populations and youth.
- Shift from passive digital usage to engaged, reflective reading.
- Greater community involvement in nurturing informed, rational citizens.
- Boost to regional language content and indigenous authorship.

#### Strategic Roadmap:

- Set clear annual targets (e.g., readers reached, libraries activated) for each partner entity.
- Leverage existing infrastructure and volunteer networks; explore support from state bodies, CSR initiatives, and international funding.
- Form a national consortium to share best practices, monitor impact, and exchange learnings.
- Strengthen partnerships with key organizations like Panicker Foundation, Vigyan Prasar, NBT, and other NCSTC collaborators.

#### **ACTIVITY PROFILE**

The Network of Organizations for Science and Technology Communication (NCSTC), Delhi, envisions the advancement of science communication and literacy across India through the following objectives:

- Undertake research, demonstrations, and outreach activities.
- Popularize science among diverse communities nationwide.
- Implement inclusive programs focused on women and underrepresented groups.
- Identify innovators, support their inventions, and facilitate commercialization.

# **ACHIEVEMENT:**

During the last one year, The Network of Organizations for Science and Technology Communication performed many activities in spite of severe manpower constraints. Some of the important events organized are:

# (a) Children's Science Congress:

# Delhi State Children's Science Congress 2022-23

The program is annually organized in NCT DELHI by Network of Organizations for Science and Technology Communication (NOSTC), E-56, First Floor, Gali No. 1, Samaspur Road, Pandav Nagar, Delhi 110 091 since 1993 at Zone, District, Center and State Level. The major objective is to provide a forum to the children of the State to pursue their natural curiosity and to quench their thirst for creativity. It helps to stimulate scientific temperament and learning scientific methodology - observation, collection of data, experimental analysis and then arriving at conclusion. Selected action oriented research projects represent the state at the National level.

During these years, NOSTC have established a close association with Directorate of Education, Govt. of NCT Delhi. Zonal Science conveners for CSC activity are being selected in 29 educational zone for carrying out the CSC activities. At the first instance, groups of children (02) undertake a research/ survey data based oriented projects within the identified theme and sub-theme under the guidance of teachers and works on it for 4 to 5 months. The result of such research project are documented and presented in the local convention where experts/ evaluators select the innovative projects for the District level Children's Science Congress organized in the month of September 2022. Total 340 projects were appeared in the District Level Children's Science Congress from 310 schools. Total 680 Children participated in the year 2022 CSC from NCT Delhi. No. of Female children participated 398, whereas male children are 282.

The District level events were organized in the month of October 2022. Total 680 child scientists from 340 projects comprising 398 female and 282 male children participated in the district level children science congress from 11 districts. The children were 304 from lower age and 376 from upper age Group. Total 226 teachers were trained for this purpose. Three evaluators in each district were deputed to evaluate the children's Projects. Total 58 Projects were got opportunity to participate in the State Level Childfen's ScienceCongress.

The State level CSC was held on 28<sup>th</sup> November 2022 at Darshan Academy, New Delhi. Total 58 projects comprising 68 female children and 48 male children participated in the State Level CSC 2022. The State Childre's Science Congress was inaugurated by Dr. Praveen Arora, Head, NCSTC-DST, Govt. Of India. Dr. Sujit Banerjee was also witness in the event. All of them 08 projects were selected from the State level CSC to participate in the National Childrenos Science Congress during 27 to 31 January, 2023 held at Science City, Ahemdabad, Gujarat.

# **Key Highlights of 2022-23:**

- An Academic Committee was constituted with subject experts, and an Academic Coordinator was appointed for the 2022 edition.
- A **coordination meeting** with Zonal Coordinators was held on **18th September 2022** at Rajkiya Sarvodaya School, Aligani, Lodhi Colony.
- **Four Orientation Workshops** were organized at different Science Centres in Delhi for training **teachers and mentors**, including participation from private and government school educators.
- Zonal and Centre-level CSC events were conducted by the **Directorate of Education, NCT Delhi**, while NOSTC handled the District and State level events.

# **District-Level Participation (October 2022):**

- Events were organized across 11 districts, covering all education zones of Delhi.
- A total of **458 research-based projects** were presented by groups of children.
- 1071 female and 1021 male students participated, reflecting a strong emphasis on gender equity.
- 596 children were from the lower age group and 1496 from the upper age group.
- Over 1200 teachers were trained to mentor the students.
- Three evaluators per district were deployed to assess and shortlist projects.
- 26 projects were selected for the State Level CSC 2022-23.

# State-Level Children's Science Congress (07th November 2022 – Virtual Mode):

- Organized by NOSTC in collaboration with the Science Unit, Directorate of Education, NCT Delhi.
- Inaugurated by **Dr. Sujit Banerjee**, Scientist, Science & TV Branch, DST.
- Mrs. Madhu Singh, DDE (Science), Lajpat Nagar, graced the occasion as Guest of Honor.
- The virtual event saw participation from **260+ students and teachers**, along with media representatives and dignitaries.
- 39 shortlisted projects were presented by child scientists.
- **08 best projects** were selected by a panel of **09 expert judges** to represent Delhi at the **29th National** Children's Science Congress, held at Science City, Ahmedabad.
- Additionally, 2 outstanding projects were chosen to participate in the Rashtriya Kishor Vaigyanik
   Sammelan during the Indian Science Congress at Central University, Imphal.

# **Closing Remarks:**

**Er. Anuj Sinha**, Hon. Chairman, NOSTC, was the Special Guest at the valedictory function. He appreciated the scientific curiosity, observation, and presentation skills of the participants and highlighted their potential in contributing meaningfully to India's scientific future. He applauded the collaborative efforts of schools, mentors, evaluators, and organizing teams in making the 2022-23 edition of CSC a success despite pandemic-related constraints.

#### **Impact and Way Forward:**

- The program not only facilitated **science communication** at the grassroots but also encouraged students to **scientifically address real-life problems** relevant to their localities.
- Continued emphasis on virtual platforms enabled wider access and inclusivity.
- NOSTC aims to **expand its outreach**, partner with more schools, and encourage more **girl child participation** in the coming years.

# Developing Skill and Enthusiasm among Teachers of Science Communication in The Digital Age

The title of the project is "Developing Skill and Enthusiasm among Teachers of Science Communication in The Digital Age" under which a six-week certificate course "Science Journalism in the Digital Age" was conducted in Hybrid mode, where course content was covered in 23 days. The objective of the course is to Develop and enhance skills of science communication in professionals, students, and teachers of mass communication; Develop a set of lecture notes with references and links for further reading; Develop assessment tools; and encourage fresh graduates to become enthusiastic science communicators.

The course was arranged by NOSTC (Network of Organizations for Science and Technology Communication, Delhi) and approved by NCSTC, DST (National Council for Science and Technology Communication, Department of Science and Technology, New Delhi) with Lovely Professional University as the knowledge partner.

The course focused on theory and practice of science communication through print, electronic and digital media. It intended to prepare the participants to become effective science communicators for the 3rd decade of the 21st century.

1. About the Course: Science Journalism is largely about the interactions between scientists and the general audience. The interactions in the form of news, audio, videos, or presentations that are well supported by facts and figures while maintaining the integrity of journalism and regulatory authorities and disregarding the rumors and superstitions. It is a challenging profession that creates a place for science and technology in the minds of their readers and so they become more attracted towards science journalism. Scientific Journalist is an investigatory and critical role that may influence or put a scientific or academic event in the minds of the public, influence perception and attitude in the undesired direction. They not only explain the results of scientific studies to a general audience but also help distinguish between well-supported and weak conclusions and examine possible conflicts of interest. Scientific journalists play a major role in key political, economic, cultural, and social policy discussions, as well as in public dialogue. Therefore, a certification course has been initiated to encourage more people to make a profession as scientific journalists. The 6-week certification course will be conducted in both online as well as physical mode.

#### 2. Criteria of participation:

- a. Teachers from any discipline can join the course. However, preference will be given to science and technology or journalism and mass communication stream teachers.
- b. Professionals from all Industries working in the science and technology field(s) can apply and should have journalistic experience or temperament.
- c. Students who have completed or are pursuing graduation in journalism, mass communication or science or technology disciplines or in the relevant discipline can submit their application. The student means someone who is not employed or working as a freelancer.
- d. Anyone having experience in journalism.

- e. Show case achievements of all scientific departments including defence, agriculture, health, education, space, nuclear energy, etc.
- f. Challenges met by scientist in renewable energy, environment and climate change, earth sciences, industry, transport, roads and bridges, etc. by government, universities and corporate entities and NGOs.
- g. Stalls for academic and research opportunities in universities and laboratories,
- h. Theme pavilion of Science Communication Turning Points with video films, interactive panels, coffee table book, etc.
- i. Display of innovative efforts/best practices by members of NOSTC, research and academic institutions.
- j. Activity stalls for visitors, competitions for college students, health check-up, etc.
- k. Entertainment rides

# **Future Activities planned:**

Turning Point of NCSTC: The project aims to present the four decades of innovative and path breaking research and development, fieldwork, software development, manpower development, etc by NCSTC in positive light among policy makers and influencers. It will also assist team NCSC to review areas that require more resources in the context of current and future challenges.

# IYIIC (Indian Young Inventors and Innovators Challenge)

Provide common Platform to the Young Inventers with their innovation across the country. This will include deliberations, displaying innovations in the common platform, collecting write-ups in the form of Abstract and publishing of popular science lectures. OgA will engage with local population groups for developing capacity for critical thinking.

# **Exhibition on 75 Years of Science and Technology):**

Agrani – Achievements of Science & Technology since Independence

#### **Preparatory Phase**

NCSTC, DST awarded a generous grant to NOSTC with the objective of projecting achievements in science and technology since the country's independence in 1947. This would be an important part of the nation's celebration of Azadi Ka Amrit Mahotsav. NOSTC developed a comprehensive script and sourced interesting visuals for presenting a glorious story of our R&D efforts, achievements and challenges in different disciplines. This was shared with experts for improvement and vetting. Printing Phase NOSTC designed posters for a temporary exhibition to be set up in Madgaon, Goa, in November, 2022 taking on board inputs from experts. Net Global, Madgaon, a reputed printer was selected for preparing the posters on the recommendation of Goa State Innovation Council. Content for designing the posters was given to this party who prepared the posters with the following titles:

- 1. Message from Prime Minister on importance of the Mahotsav
- 2. Important elements of the Mahotsav
- 3. Overview of agricultural achievements
- 4. Success in rice, rajma, barley, malt and lentils
- 5. Green revolution
- 6. White revolution Operation Flood
- 7. Blue revolution Aquaculture
- 8. Yellow revolution Edible oils
- 9. Addressing issues of shortage of fodder, reducing stored food waste, etc.
- 10. International Standards Food Processing
- 11. Better health through S&T
- 12. Achievements by Ayush scientists

- 13. Overcoming Japanese encephalitis, T.B., leprosy, etc.
- 14. Robotic surgery, diagnostic devices, new drugs and vaccinations
- 15. Challenges for medical researchers
- 16. Telemedicine, e-Sanjivini, HIV and Aids
- 17. Railways Networking India
- 18. Modern rail transport
- 19. High speed diesel locomotives and light weight coaches
- 20. Moving people and materials road transport
- 21. Energy reliable, affordable and sustainable
- 22. Carbon free energy
- 23. Municipal solid waste disposal urban environment
- 24. Challenging problems in housing and construction
- 25. Strategic research and development arms and ammunition
- 26. Technology advances in defence breakthroughs
- 27. About NCSTC
- 28. Achievements of NOSTC

Each poster carried the logo of Azadi Ka Amrit Mahotsav and a full color illustration/image. Interesting information on each topic was presented as bullets.

#### **Construction Phase**

The exhibition was set up in the spacious lawns of Ravindra Bhawan, Margaon, Goa which is located centrally in Madgaon. An attractive gate invited visitors to the stalls set up with the cyma system and decolam boards. Each 9 sq. mt stall had an attractive fascia and a desk with two chairs. Five/six posters were tastefully displayed in each stall to tell a comprehensive story in each development sector. Agrani occupied seven stalls in a row. On our invitation, several leading institutions/organisations/universities were invited to display S&T achievements to complement the Agrani story. These included:

- Lovely Professional University, Phagwara, Punjab
- Manav Rachna University, Faridabad, Gurugram
- Science Centre, Bhopal, Madhya Pradesh
- VICAS, Prayagraj, Uttar Pradesh
- Satya Shodhak Sabha, Surat, Gujarat
- Foundation for Glocal Science Initiatives, Mumbai, Maharastra
- Keshri Innovation foundation, Bihar
- Indian Innovators Association, Hydrabad, Telangana
- Karnataka Rajya Vijnan Parishad, Bengaluru, Karnataka
- Goa State Council for Science and Technology, Goa
- Goa Innovation Council, Goa
- St. Xavier's College, Mapusa, Goa

# Inauguration

Shri Nilesh Cabral, Minister for Legislative Affairs, Environment, Law and Judiciary and Public Works Department, Govt. of Goa, inaugurated the exhibition. He visited each stall and asked keen questions about the displays. He made a second visit later in the day to complete his inspection.

Dr. J.M. Noronha, Chairman, Goa State Innovation Council; and Goa Public Service Commission took a keen interest in the exhibition and spent over two hours spread over three days. Dr. Martins Lewinson, Member Secretary, Goa State Council for Science & Technology and Waste Management, Goa, spent considerable time along with his team of scientists at the exhibition.

Dr. Praveen Arora, the Head, NCSTC-DST, Govt. of India was present on the day. He also visited all the stalls and interact with the exhibitors during exhibition. He spends 3 days' time. Whereas, Dr. Sujit Banerjee, Scientist 'F', NCSTC also present on the occasion also Shon their keen interest and visited the exhibits.

#### **Visitors**

Due to his initiative, students from several middle and high schools of Madgaon arrived in buses every

morning and took the students back at the end of the day. The students displayed inquisitiveness and curiosity in the exhibits and collected complimentary copies of popular science books prepared by NOSTC on topics of health, lifestyle, food and nutrition, natural phenomenon, science behind miracles, manuals for school science clubs, etc.

Innovators invited to Indian Young Inventors & Innovators Challenge, 2022 and participants of the India International Innovation Expo, 2022 showed keen interest in the exhibition. An international conference on biotechnology was convened at Ravindra Bhawan on overlapping dates. Delegates to the conference visited Agrani on word-of-mouth publicity. Other casual visitors to the Bhawan visited the stalls and asked searching questions on the contents of the posters.

### **Science Quiz**

Selected students volunteered to attempt a multiple-choice science quiz. There were seven sets of questions with each set having six questions. Some were based on information provided in the posters while other questions were more general in nature. The correct answers were required to be selected out of four choices for each question and the answer sheet left in a drop box. Feedback indicated heightened interest in the content of the posters because of the competition.

#### **Other Attractions**

A stall that attracted most visitors demonstrated science behind so called miracles used by fake god men. Posters and models displayed by Manav Rachna University, Faridabad and Lovely Professional University, Phagwara, Punjab, Science Centre, Bhopal, Madhya Pradesh, VICAS, Prayagraj, Uttar Pradesh, Satya Shodhak Sabha, Surat, Gujarat, Foundation for Glocal Science Initiatives, Mumbai, Maharastra, Keshri Innovation foundation, Bihar, Indian Innovators Association, Hydrabad, Telangana, Karnataka Rajya Vijnan Parishad, Bengaluru, Karnataka, Goa State Council for Science and Technology, Goa, Goa Innovation Council, Goa, St. Xavier's College, Mapusa, Goa generated many inquiries about research facilities and start-up possibilities from interested visitors. Recognition Experts appointed by INEX 2022 visited the exhibition unannounced and made an assessment of the displays. Their report resulted in a rare honor being presented a memento at the valedictory session at the hands of Dr. J.M. Norohna, Chairman, Goa State Innovation Council.

# **Acknowledgment**

Network of Organizations for Science and Technology Communication, Delhi, is grateful to the National Council for Science & Delhi for Science & Delhi for the generous grant to set up Agrani, an exhibition to celebrate achievements of science and technology since independence. The soft copy of the contents of the posters is available for production of posters at any subsequent opportunity.

Objectives of the project:

- To introduce achievements of modern science and technology
- > To create awareness about opportunities and careers in scientific research and teaching
- To explain capabilities of modern science in solving human problems
- To build bridges between leading scientists, teachers and bright students.

#### **Project Activities:**

Show case achievements of scientific departments including Defence, agriculture, health, education, space, nuclear energy; Challenges met by scientist in renewable energy, environment and climate change; earth sciences; industry; transport; roads and bridges etc. by government, universities and corporate entities and NGOs were invited to participate in the innovation exhibition. Stalls for academic and research opportunities in universities and laboratories were setup separately. Theme pavilion of Science Communication Turning Points with video films, interactive panels, coffee table book, etc. Were also put up to understand the scientific issues. Displayed of innovative efforts/best practices by members of NOSTC, research and academic institutions. Activity stalls for visitors, competitions for college students were put separately. Entertainment rides and Stalls for sale of handicraft items, books, laboratory equipment and food stalls were given space during event.

A Special Lecture was arranged for the participants on the IPR, Mrs. Anannya Banerjee, the managing Associate from SS Rana & Co. New Delhi deliberated on IPR in two sessions.

- ➤ Proposal for Children's Science Congress has submitted to NCSTC-DST, GoI for Financial Support. The proposal was presented by Shri Jai Inder Singh the Co-PI of the Project with Academic coordinator Shri M.S Dhama.
- > The proposal is under consideration. Waiting for the result. However, the programme is already been started in the Delhi. i.e. Zonal Conveners Workshop, Teachers Workshop with the help of Education Department.

# (F) Website of NOSTC:

The website of NOSTC with its URL <a href="www.nostc.in">www.nostc.in</a> was launched on 29<sup>th</sup> December, 2017 at Science City Campus, Ahmedabad during General Body meeting of NOSTC. This website is also prepared with the help of NIVIDA Web Solution Vadodara without any cost with the maintenance of one year. After completion of one year the website was renewed and running well.

# (G) Welcoming new members:

- The new members were welcomed and the confirmation letter were already beenissued to the concerned organization as approved by the BoG and General Body of NOSTC.
  - Breeze Women Welfare Association, Dimapur, Nagaland
  - Vividha Welfare Foundation, Panchmahal Gujarat
  - Science Societies and Public Trust, Kotla, New Delhi.
  - Rural Development Foundation, Anand, Gujarat
  - N H Goyal World School, Raipur, Chhattisgarh
  - Dr. Tiwari, Bhopal, M.P

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