



નગર પ્રાથમિક શિક્ષણ સમિતિ અમદાવાદ



પરિપત્ર નં.૧૫ તા.૧૮-૦૫-૨૦૨૧

ફક્ત મ્યુનિ. શાળાઓ માટે :-

વિષય :- રાષ્ટ્રીય બાળવિજ્ઞાન કોંગ્રેસ ૨૦૨૧ બાબત.

સંદર્ભ :- ક્રમાંક : પ્રાશિનિ/છ-૨/સંકલન/૨૦૨૧/૩૧૪૩-૯૬ તા.૧૭-૦૫-૨૦૨૧

આથી તમામ મ્યુનિ. શાળાઓના મુખ્ય શિક્ષકશ્રીઓને ઉપરોક્ત વિષય અન્વયે જણાવવાનું કે સમગ્ર દેશમાં રાષ્ટ્રીય બાળવિજ્ઞાન કોંગ્રેસનું આયોજન કેન્દ્ર સરકારના વિજ્ઞાન અને ટેકનોલોજી વિભાગ એન.સી.એસ.ટી. દ્વારા યોજવામાં આવેલ છે. સદર પ્રોજેક્ટને ગુજરાત સરકારના શિક્ષણ વિભાગે માન્ય કરેલ છે. આ સાથે સામેલ સંદર્ભિત પત્રનો અભ્યાસ કરી સદર પ્રોજેક્ટમાં ૧૦ થી ૧૭ વય જૂથના વધુને વધુ બાળકોને ઓનલાઈન માધ્યમથી ભાગ લેવા જણાવવામાં આવે છે.

બિડાણ :- સંદર્ભિત પત્ર

તા.૧૮-૦૫-૨૦૨૧

ડૉ.એલ.ડી.દેસાઈ
શાસનાધિકારી

Request for issuing a Circular for Participation of Students and Teachers in the National Children Science Congress 2021 programme

1 message

GUJCOST <info-gujcost@gujarat.gov.in>

To: dpe.guj@gmail.com

Cc: adv-gujcost@gujarat.gov.in, pso-gujcost@gujarat.gov.in, so-sp-gujcost@gujarat.gov.in

7 May 2021 at 17:56

Dear Sir,

Warm Greetings from Gujarat Council on Science & Technology (GUJCOST), Gandhinagar.

It is our pleasure to inform you that GUJCOST has successfully organized and completed the State Level Children's Science Congress during 28-31st January, 2021 through on-line mode. For the year 2020-21, a total of 901 projects were registered by child scientists at all 33 districts in the state. Out of this 772 were shortlisted for presentation at the district level competition and finally 156 projects got selected for the state level competition. This includes the participation of 70 boys and 86 girls in the state level programme.

National Children's Science Congress (NCSC) is a nationwide activity of National Council for Science and Technology Communication (NCSTC), Department of Science and Technology, Government of India. The aim of NCSC is to spread the concept of the method of science among the children through their project activities adopting the principle of "Learning through Doing".

The focal theme of NCSC-2021 is "Science for Sustainable Living" with five sub-themes, namely, (i) Ecosystem for Sustainable Living, (ii) Appropriate Technology for Sustainable Living, (iii) Social Innovation for Sustainable Living, (iv) Design, Development, Modeling and Planning for Sustainable Living, (v) Traditional Knowledge Systems (TKS) for Sustainable Living. A leaflet and poster in this regard is enclosed herewith for your kind reference. This programme for children in the age of 10 to 14 years (lower age group) and from 14 to 17 years (upper age group) as on December 31 of the calendar year.

This NCSC programme is being organized in every district through our Community Science Centre (CSC). In this connection, we would like to request you to issue a circular in favour of DPEO of all districts so that maximum number of school students and teachers participate in this programme and showcase their scientific talent and spirit at the State and National level through on-line / offline manner. We are enclosing herewith a draft Circular in this regard for your kind perusal.

We look forward to your kind support and cooperation in the above.

Thank you and with best regards,

Regards

Dr. Narottam Sahoo

Advisor and Member Secretary

Gujarat Council on Science and Technology

Dept. of Science & Technology, Govt. of Gujarat

Block: B, 7th floor, M. S. Building,

Sector 11, Gandhinagar: 382011

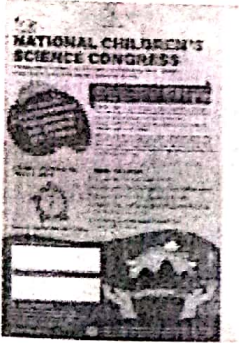
Phone: (079) 232593-62-65, Fax: 079-23259363

Mobile No. 09879553960, 09426490755


Email: adv-gujcost@gujarat.gov.in, narottam.sahoo@gmail.com,


This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any error or omissions in the contents of this message, which arise as a result of e-mail transmission.


4 attachments



Poster.jpg
789K

 Letter to Director, Primary Education Board.pdf
872K

 Draft Circular DPEO.docx
19K

 Brochure of NCSC 2020-21.pdf
1749K

GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science & Technology, Government of Gujarat

Block : B, 7th Floor, M. S. Building, Nr. Pathikashram, Sector-11,
Gandhinagar, Gujarat - 382011.

Phone : (079) 23259362-65 Fax : (079) 23259363

E-mail : info-gujcost@gujarat.gov.in

URL : www.gujcost.gujarat.gov.in



सत्यमेव जयते



Dr. Narottam Sahoo

Advisor and Member Secretary

No. GUJCOST/NCSC/2021-22/ 582

7th May, 2021

Dr. M. I. Joshi

Director

Directorate of Primary Education, Govt. of Gujarat

Block No. 12, Dr. Jivraj Mehta Bhavan

Gandhinagar 382010

Sub: Request for issuing a Circular for Participation of Students and Teachers in the National Children Science Congress 2021 programme

Dear Sir,

Warm Greetings from Gujarat Council on Science & Technology (GUJCOST), Gandhinagar.

It is our pleasure to inform you that GUJCOST has successfully organized and completed the State Level Children's Science Congress during 28-31st January, 2021 through on-line mode. For the year 2020-21, a total of 901 projects were registered by child scientists at all 33 districts in the state. Out of this 772 were shortlisted for presentation at the district level competition and finally 156 projects got selected for the state level competition. This includes the participation of 70 boys and 86 girls in the state level programme.

National Children's Science Congress (NCSC) is a nationwide activity of National Council for Science and Technology Communication (NCSTC), Department of Science and Technology, Government of India. The aim of NCSC is to spread the concept of the method of science among the children through their project activities adopting the principle of "Learning through Doing".

The focal theme of NCSC-2021 is "Science for Sustainable Living" with five sub-themes, namely, (i) Ecosystem for Sustainable Living, (ii) Appropriate Technology for Sustainable Living, (iii) Social Innovation for Sustainable Living, (iv) Design, Development, Modeling and Planning for Sustainable Living, (v) Traditional Knowledge Systems (TKS) for Sustainable Living. A leaflet and poster in this regard is enclosed herewith for your kind reference. This programme for children in the age of 10 to 14 years (lower age group) and from 14 to 17 years (upper age group) as on December 31 of the calendar year.

This NCSC programme is being organized in every district through our Community Science Centre (CSC). In this connection, we would like to request you to issue a circular in favour of DPEO of all districts so that maximum number of school students and teachers participate in this programme and showcase their scientific talent and spirit at the State and National level through on-line / offline manner. We are enclosing herewith a draft Circular in this regard for your kind perusal.

We look forward to your kind support and cooperation in the above.

Thank you and with best regards,

Yours sincerely,

(Narottam Sahoo)

Encl: As above

ક્રમાંક : NCSC/૨૦૨૧-૨૨/
પ્રાથમિક શિક્ષણ નિયામકની કચેરી,
બ્લોક નં-૧૨/૧ ડો.જી.મ.ભવન
ગુ. રા. ગાંધીનગર
તા.

પ્રતિ
જિલ્લા પ્રાથમિક શિક્ષણાધિકારીશ્રી,
જિ.પં.શિ.સમિતિ, તમામ
શાસનાધિકારીશ્રી નં,પ્રા.શિ.સમિતિ તમામ

વિષય:- રાષ્ટ્રીય બાળવિજ્ઞાન કોગ્રેસ ૨૦૨૧

સમગ્ર દેશમાં રાષ્ટ્રીય બાળવિજ્ઞાન કોગ્રેસનું આયોજન કેન્દ્ર સરકારનાં વિજ્ઞાન અને ટેકનોલોજી વિભાગ એન.સી.એસ.ટી. દ્વારા યોજવામાં આવે છે. રાષ્ટ્રીય બાળવિજ્ઞાન કોગ્રેસ ૨૦૨૧ પ્રોજેક્ટ કેન્દ્ર સરકારના વિજ્ઞાન અને ટેકનોલોજી વિભાગ તરફથી પુરસ્કૃત કરેલ છે. સદર પ્રોજેક્ટને ગુજરાત સરકારના શિક્ષણ ખાતાએ માન્ય કરેલ છે. આ પ્રોજેક્ટમાં ૧૦-૧૭ વય જુથના બાળકોને ભાગ લેવાનો હોય છે.

આ પ્રવૃત્તિ ગુજરાત કાઉન્સિલ એન્ડ સાયન્સ અને ટેકનોલોજી (ગુજકોસ્ટ), ગાંધીનગર જે રાજ્ય કોર્ડિનેટર છે વર્ષ ૨૦૨૧નો વિષય: Science for Sustainable Living (નિરંતર ટકાઉ જીવનનિર્વાહ માટે વિજ્ઞાન) છે. અને તેના ૫ પેટા વિષયો છે. ગુજરાત રાજ્યના વિદ્યાર્થીઓ, વાલીઓ, શિક્ષકો અને સંગઠનોને આ કાર્યક્રમમાં ભાગ લેવા માટે આમંત્રણ પાઠવવામાં આવ્યું છે. આ પ્રવૃત્તિમા નીચેની બાબતો ધ્યાને લઈ શાળાઓ ભાગ લઈ શકે છે. આ કાર્યક્રમ અંગે વિશેષ માહિતી મેળવવા માટે જીલ્લાના લોક વિજ્ઞાન કેન્દ્ર અથવા ગુજકોસ્ટનો સંપર્ક કરવા વિનંતી છે.

૧. પરિસ્થિતિ અને સરકારશ્રીના આદેશ અનુસાર આ કાર્યક્રમ સમયની અનુકૂળતા પ્રમાણે ઓનલાઇન / ઓફલાઇન માધ્યમથી યોજવામાં આવશે.
૨. આ પ્રવૃત્તિમાં પસંદ કરેલ શાળાઓમાં શિક્ષક અને વિદ્યાર્થીનું નિયમ મુજબનું પ્રવાસ ભથ્થું અને ટી.એ (ફક્ત ગુજરાત રાજ્ય પ્રવાસ પૂરતા) સંસ્થા પોતાની નિયત ગ્રાન્ટમાંથી કરી શકે છે.
૨. પસંદ કરાયેલ શિક્ષકોને આ પ્રવૃત્તિમાં જરૂરી પ્રવાસ કરવો પડે તે સમયને લીવ ઓન ડ્યુટી ગણવામાં આવશે.
૩. રાજ્ય કક્ષામાંથી પસંદ થયેલ વિદ્યાર્થીઓના દરેક ટીમનો એક લીડર રાજ્ય સ્તર અને રાષ્ટ્રીય કક્ષાની સ્પર્ધામાં ભાગ લેશે અને તેનો ખર્ચ યજમાન રાજ્ય ભોગવશે.
૪. આ કાર્યક્રમમાં ભાગ લેતા શિક્ષક અને વિદ્યાર્થીઓએ કોવિડ-૧૯ની ભારત સરકાર / ગુજરાત સરકારની માર્ગદર્શિકાનું પાલન કરવાનું રહેશે.
૫. આ રાષ્ટ્રીય પ્રવૃત્તિમાં ગુજરાતના વિદ્યાર્થીઓ, શિક્ષકો અને શાળાઓ હંમેશ મુજબ સારો દેખાવ કરી ગુજરાતનું ગૌરવ વધારશે તેવી અપેક્ષા રાખવામાં આવે છે.તે માટે શાળાના ઉત્સાહી , શિક્ષકોને વધુ પ્રોત્સાહન મળે અને તેનો લાભ શાળાના બાળકોને મળે તે અંગેનું વાતાવરણ શાળામાં ઉભું થાય એવા પ્રયત્નો કરવાના રહેશે.

(એમ. આઇ. જોષી)
પ્રાથમિક શિક્ષણ નિયામક
ગુજરાત રાજ્ય, ગાંધીનગર.

નકલ રવાના:-

સલાહકાર, ગુજરાત કાઉન્સિલ ઓન સાયન્સ એન્ડ ટેકનોલોજી, વિજ્ઞાન અને પ્રૌદ્યોગિકી વિભાગ, ગુજરાત સરકાર,
બ્લોક-બી, ૭મો માળ, બહુમાળી ભવન, સેક્ટર-૧૧, ગાંધીનગર



Government of India

**28th & 29th
NATIONAL CHILDREN'S
SCIENCE CONGRESS
(2020 & 2021)**



राष्ट्रियसंघ NCSTC

A programme of National Council for Science and Technology Communication,
Department of Science & Technology,
Government of India

FOCAL THEME:



Science for Sustainable Living

We are at the crossroads regarding critical and complex ecological challenges, economic stress and social instability at local, regional, national and global scales. Joy of living is disturbed with questions, uncertainties, fear, depression, frustration and envy. Globally, there is an increasing search for alternative ways to design our thought processes and how we live our daily lives; where approach of sustainable living seems to be the only way forward.

Sustainable living pleads for a lifestyle which reduces the impact of human way of life on planet Earth, by cutting down on the use of natural resources, preventing pollution and through judicious decision-making in use of material, energy, transportation, recreation, etc. Here, "sustainable lifestyle" is a cluster of habits and patterns of behaviour embedded in a society and facilitated by institutions, norms and infrastructures that frame individual choices, in order to minimise the use of natural resources and generation of wastes, while supporting fairness and prosperity for all (UNEP, 2016).

Scientific inquiry in the form of exploration, experimentation with proper validation and interpretation helps us in understanding different ways and means to adopt sustainable approaches in daily walk of life. With this perspective the focal theme "Science for sustainable living" would like to systematically use the methods of science for personal and community level decision-making that would lead to establishment sustainable ways of life (*genre de vie*) through improving/upgrading quality of life (QoL), conservation of nature and ecosystem, facilitating energy efficiency and also to achieve equity, equality, happiness, peace and harmony.

A REGENERATIVE APPROACH TO SUSTAINABILITY

Sustainable living is in simple terms making a living with preserving the existing resource base without depleting the current levels and to a great extent generating renewable sources. But taking into account factors such as growing population, negative ecological impacts due to anthropogenic factors such as climate change, there is also a need for regenerating the lost resources to match future demands, even if we limit our consumption levels. Therefore the concept of regenerative sustainability plead for a net-positive approach to sustainability that is based on 'procedural sustainability' through collaborative planning for community development as interpreted by constructive social theory.

It is different from the regenerative development and design approach which is rooted in the notion of ecological worldview of systems that support co-evolution of human and natural systems in a caring and nurturing relationship like parental relationship.

The idea of regenerative suitability approach and regenerative design approach concern for reorientation for reducing harm and damage to produce net-positive outcomes both for environment and human at personal space to neighbourhood space scale.

Therefore, the focal theme proposes to inculcate the idea of regenerative sustainability among the young minds of the country.

OBJECTIVES

Motivate and engage the children for inquiry based learning exercise:

1. To learn and understand ecology, economy and society and their inter-relationships.
2. To apply scientific understanding in day-to-day decision-making
3. To design and develop approach /solution for tapping potentiality and overcoming the gaps and challenges
4. To take Initiatives for personal reflection* and transformation to community and society

**means an opportunity to reconsider events, thoughts and feelings from a fresh perspective*

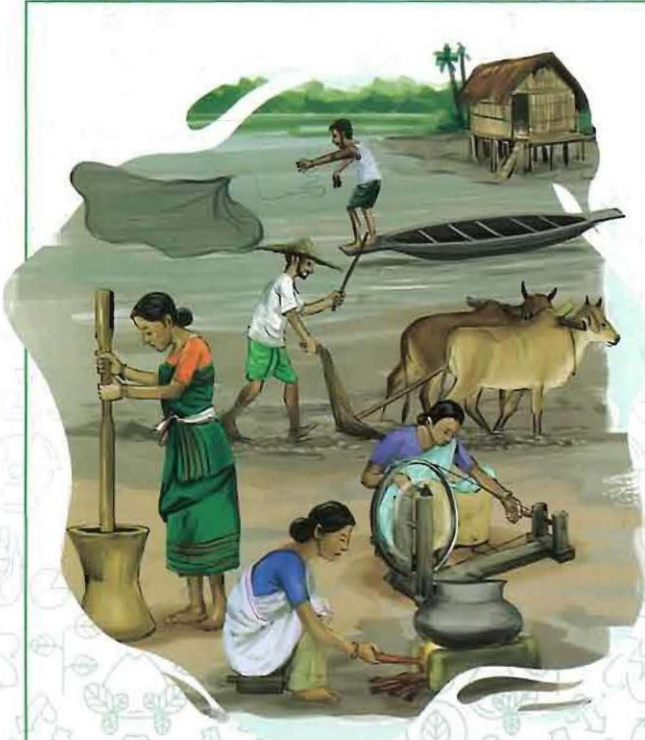
SUB-THEMES

Ecosystem for Sustainable living

Proposed coverage

- Understanding Ecosystem – learning about ecosystem components, their functions and interrelations (both natural and man-made system)
- Exploring diversity of life, its role in ecology, economy and social sustainability
- Impact of human activities on ecosystem
- Conservation of biodiversity and ecosystem
- Natural Resource Management (NRM) for ecological, economic and social sustainability
- Ecosystem approach for sustainable living





Appropriate Technology (AT) for Sustainable living

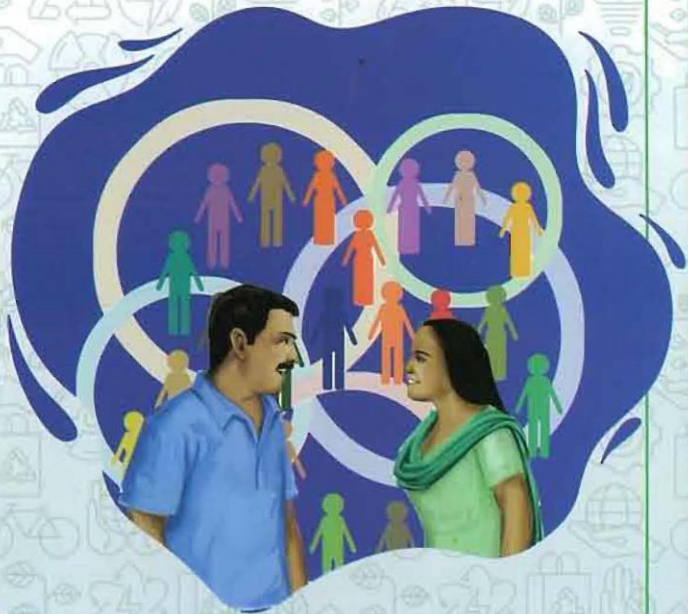
Proposed coverage

- Design and development of AT
- Ecosystem management, Ecosystem based production, NRM
- Responsible Consumption
- Sustainable habitat development
- Management of Human Wildlife Conflict (HWC)
- Harnessing Renewable Energy (RE), achieving energy efficiency etc.

Social Innovation for Sustainable living

Proposed coverage

- Social innovation for security of life, livelihoods, social inclusion, eradicating poverty, promotion of eco-sanitation
- Social innovation for Climate Change adaptation, resilience development, Disaster Risk Reduction
- Social institutional reframing, promoting social inclusion, responsible consumption and management
- Social entrepreneurship



Design, Development, Modelling and Planning for Sustainable living

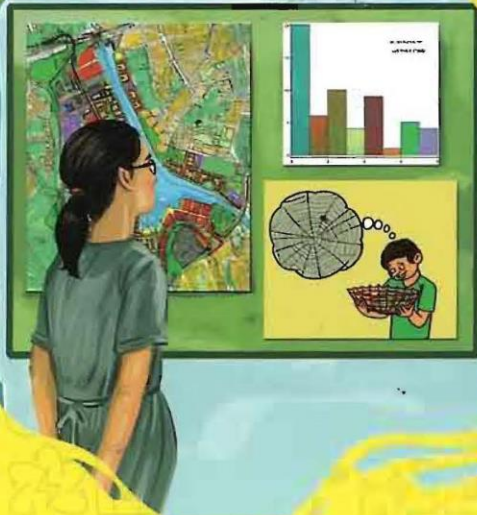
Proposed coverage

- Defining carrying capacity, threshold limits
- Sustainable production
- Sustainable consumption
- Habitat development
- Transportation system, energy system
- Pollution monitoring-impact assessment
- Natural Resources management
- Farming system design
- Climate change resilience and adaptation, etc.

Traditional Knowledge System (TKS) for Sustainable living

Proposed coverage

- Documentation, validation, improvisation and application of TKS in
 - ▶ Ecosystem management
 - ▶ Conservation, resource optimization,
 - ▶ Energy efficiency
 - ▶ System efficiency
 - ▶ Promoting growth within and social inclusion



About NCSC

What?

- A forum for children to find logical solution to a problem from their immediate environment and neighbourhood.
- A research platform to encourage enquiry-based learning through keen observation, sense of discovery, creativity and innovation and the process of learning through doing
- Improve problem solving skills through observation, hypothesis formation, framing experiments, data recording, analysis and representation, drawing of inferences and presentation of findings.
- A group of two children work together thus inculcating the spirit of team work.

Who can participate?

- Children in the age group of 10-17 years. However in case of a child with disability, their level of education or mental growth is taken into account. The cut-off date is 31st of December of the year of participation.
- Any child irrespective of language, educational background – whether school going or not, area of participation – Rural or Urban can participate

How?

- You have to identify a problem relevant to your neighbourhood and focal theme and form a two member group
- Discuss the problem with your guide teacher and co-worker
- Carry out a study following the method of science – observation, measurement, analysis, interpretation and problem solving attempt
- Prepare a report of the work for presentation
- Discuss the solution among the people as follow-up of the work.

Where?

- Present your report at the District Level Children's Science Congress
- On the basis of merit and some fixed criteria, projects are selected to be presented at the State Level CSC.
- Similarly, projects are selected for the National Level. However, maximum number of projects is limited to the state quota.

For more details please contact your State Coordinating Agency or write to :

Er. Sujit Banerjee

National Programme Coordinator, NCSC and Director/Scientist-F, National Council for Science and Technology Communication, Technology Bhawan, New Mehrauli Road, New Delhi 110 016



 www.ncsc-india.in

Published on behalf of National Council for Science and Technology Communication, Department of Science and Technology, Govt. of India by Assam Science Technology and Environment Council, Guwahati, Assam.



NATIONAL CHILDREN'S SCIENCE CONGRESS

A programme of National Council for Science and Technology Communication,
Department of Science & Technology, Government of India

NCSC is a forum for children to learn about method of science through a mini Research project work and share their learning with a larger forum

Children need to form a group of two members, carry out a Research project work in relation to focal theme and sub-theme of the year and participate in District Level Congress.

(Contact your District Coordinator and register your project online by registering at www.ncsc-india.in)

NCSC has a three-tier system where the teams of child scientists participate first in the District Level Children's Science Congress and if selected, participate in the State Level Children's Science Congress. Those who excel at State Level, participate in the National Children's Science Congress which is held during 27th – 31st December of every year.

It is open for
PARTICIPATION of
CHILDREN of the
AGE GROUP of
10 to 17 YEARS

FOCAL THEME FOR 2020 & 2021:



Science for Sustainable Living

SUB-THEMES

- Ecosystems for Sustainable living
- Appropriate Technologies for Sustainable living
- Social Innovation for Sustainable living
- Design, Development, Modelling and Planning for Sustainable Living
- Traditional Knowledge Systems for Sustainable living

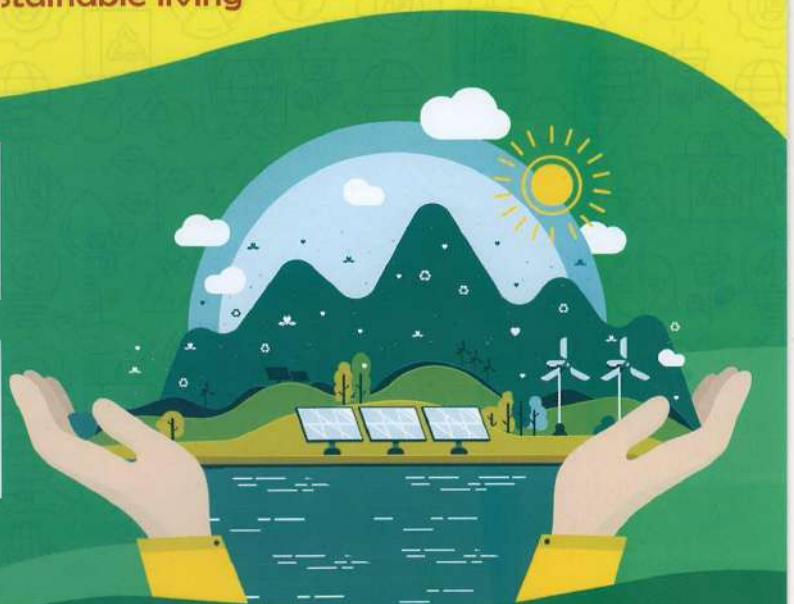
Contact address for district level

Contact address for state level

Er. Sujit Banerjee

National Programme Coordinator, NCSC and
Director/Scientist-F, National Council for Science and
Technology Communication, Technology Bhawan,
New Mehrauli Road, New Delhi- 110 016

www.ncsc-india.in



Published on behalf of National Council for Science and Technology Communication,
Department of Science and Technology, Govt. of India by Assam Science Technology
and Environment Council, Guwahati, Assam.