

Chhattisgarh State Centre For Climate Change



Quarterly Newsletter

Volume 9 (April-June 2019)



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Message from Editor's Desk.....



Dear Readers,

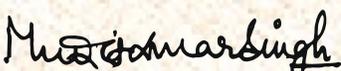
It is with a sense of great delight that we are presenting to you the Volume 9 of Newsletter. The present issue of the newsletter contains useful material relevant to Climate Change. This issue contains information about the new Project of Chhattisgarh Government i.e. "Hariyali Prasar Vahan", under which Forest Department will deliver saplings to the residents free of cost in all cities.

A Brainstorming session was organized in Chhattisgarh State Climate Change Centre, SFRTI Raipur, on 31/05/2019 for revising the existing Action Plan on Climate Change for the Chhattisgarh state.

In this issue "#SelfiewithSapling" campaign is also covered which was launched by Hon'ble Union Environment Minister, Shri Prakash Javadekar on 4th June to encourage the plantation by every citizen of Country.

I hope you will enjoy this issue and do let us know if there are any topic to be covered in the upcoming volumes.

Waiting for your encouragement and suggestions.....


(Mudit Kumar Singh)

PCCF and HoFF

Nodal Officer, Chhattisgarh State Centre
for Climate Change, Raipur

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Nodal Officer, Chhattisgarh State Centre for Climate Change attended the International Conference on Climate Action in Heidelberg on 22 and 23 May 2019

Mr. Mudit Kumar Singh, Nodal Officer, Chhattisgarh State Centre for Climate Change attended the International Conference on Climate Action in Heidelberg on 22 and 23 May 2019 and Hosted by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety together with the Federal State of Baden Württemberg and the City of Heidelberg. During the Conference, over 1,000 participants from over 100 countries worked together intensively for climate action. Above all, it became clear how crucial it is to have the right framework conditions that allow cities and municipalities to exercise their roles as players in climate action and sustainable development. Such framework conditions range from expertise on financial resources through to regulatory conditions. In addition, the conference participants all agreed these conditions need to be improved quickly.



A significant result of ICCA2019 is the Partnership Declaration on Collaborative Climate Action across all levels of government. In the declaration, states, cities, municipalities, federal states, regions and networks committed to more cooperation, communication and support in the implementation of the Paris Agreement and the UN 2030 Agenda for Sustainable Development and set out priority actions to achieve this. The declaration was adopted during the high-level round table by representatives of all the levels of government and their networks.

Another outcome of the Conference in Heidelberg is practical recommendations for action for better collaboration for more ambitious climate action and sustainable development e.g. regarding the removal of obstacles in financing local projects or the participation of citizens in implementing municipal climate action programmes. Furthermore, work was carried out on initiatives which will enable cities and municipalities to take ambitious climate action and promote the development of sustainable infrastructures.



Brain Storming Session on Common Framework For Vulnerability Assessment & Review of SAPCC was held on 31/05/2019

A Brainstorming session was organized in Chhattisgarh State Climate Change Centre, SFRTI Raipur, on 31/05/2019 for revising the existing action plan on Climate Change for the Chhattisgarh state. Professor N.H Ravindranath, Indian Institute of science, Bangalore was present as special guest and departmental heads of various departments and representatives of the concerned department and organizations were also present in the session.

The representatives of various government departments as Forest, Agriculture, Water Resources, Urban Development, Industries, Health, representatives from UNICEF, IGKV, CGCOST, IIT Bhilai, NIT Raipur and NGO's took active part in the brain storming session. The official program started with the introductory speech by Shri S.S Bajaj, APCCF Research by explaining about climate change and why it is important to revise the action plan.

Next speaker Shri Mudit Kumar Singh, PCCF and Head of Forest Force & Nodal officer, Chhattisgarh State Centre for Climate Change, Raipur emphasized the necessity to implement the action plan for climate change in the state of Chhattisgarh. He also mentioned that local people of the State should be well acquainted with the action plan in their local languages and their active participation is ascertained as well, in his speech.

The special guest of the Programme, Prof. N.H. Ravindranath explained the reasons for revision of the action plan and he also explained with various aspects of climate change, climate variability, mitigation strategies and the evaluation of risk, the availability of finance etc.

Various department heads spoke about the work done in the field of climate change by their departments and provided inputs regarding changes to be made in the strategies and action plan.

After the intensive discussions, a Core Group was formed including different departments and stakeholders. A road map was also prepared for Vulnerability Assessment and Revision of State Action Plan on Climate Change (SAPCC).



Alternative Habitat Development Plan prepared by SFRTI for Affected Avifauna and Wildlife Conservation.

The project "Alternative Habitat Development Plan for Affected Avifauna and Wildlife Conservation Plan for affected wildlife species of OCP Gevra, Katghora, Chhattisgarh" was proposed by the South Eastern Coalfield Limited (Coal India Limited), Open Cast Project Gevra, Katghora, for stage II clearance for the diversion of 112.385 hectare of revenue forest land for Gevra Open Cast Mine (OCM) in Katghora Forest Range, Korba District, Chhattisgarh in favour of SECL and the project was undertaken by State Forest Research and Training Institute, Raipur (C.G). The research team of State Forest Research and Training Institute Raipur (C.G) has conducted extensive scientific surveys and conceptualized the Alternative Plan for the avian species and the Conservation Plan for the affected wildlife species in the study area.

As results of two seasonal studies, 480 individuals from 56 different species of avifauna were recorded in the affected area, which indicates the rich diversity of avian species in the mining area. The alternative habitat as per the developed action plan is to be provided for the wildlife and avifauna.

Chhattisgarh State launched new Project *Hariyali Prasar Vahan* - Under which saplings will be delivered to your doorstep free-of-cost



Hon'ble Forest Minister Shri Mohammad Akbar flagged the first vehicle carrying saplings

Save up to 36 percent electricity by setting up AC Temperature 26 degree Celsius



Chhattisgarh State Energy Department has issued an order to maintain the temperature of air-conditioner between 24 to 26 degree Celsius at places like Government offices, Private offices, Shopping malls, and other public places to reduce Greenhouse Gas (GHG) emissions.

It has been mentioned in order that increase of every one degree Celsius in the air-conditioner temperature can save 6 per cent of electricity consumed. In such a situation if the temperature of air-conditioner is set to 26 degree Celsius, then up to 36 percent electricity can be saved. It will also be beneficial for environment and health which is the most important.

Normal human body temperature is approximately 36-37 degrees celsius, but large number of commercial establishments, hotels and offices maintain temperature around 18-21 degrees celsius. This is not only uncomfortable but is actually unhealthy as well.



New York City Declares A Climate Emergency

New York City just became the largest municipality in the Americas to declare a climate emergency.

More than 650 municipalities in 15 countries have declared climate emergencies, including Sydney in Australia and London in the U.K.

At least 17 U.S. cities are already on board. Hoboken, New Jersey, a commuter city in New York's metropolitan area, declared a climate emergency in 2017. Oakland followed suit last October. San Francisco joined them in February.

New York's declaration comes two months after the City Council passed a landmark bill to cut emissions from large buildings, the Big Apple's biggest energy users and largest source of climate pollution. The measure, coupled with a handful of other bills to bolster renewable energy in the city, was dubbed New York's version of a Green New Deal.

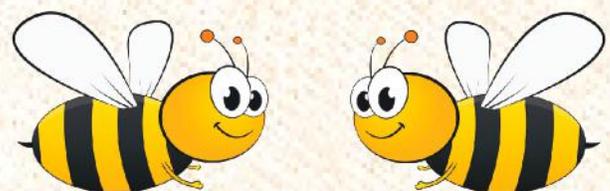
At the state level, New York lawmakers earlier this month passed one of the country's most aggressive bills to cut economy wide emissions down to net zero by 2050.



Source: <https://www.huffingtonpost.in/>

Climate Change's Tiny Victims

For the past 15 years, honeybee colony deaths have become alarming. The European honeybee, *Apis mellifera*, accounts for nearly half of all crop pollination worldwide, and the annual losses- as high as 40% in North America- are unsustainable. Much has been written about the honeybee crisis, its causes and its consequences. We now understand that the primary culprits and the 'four Ps': pesticides, parasites, pathogens and poor nutrition, which all interact. But Thomas Seeley's 'The Lives of Bees' sounds a fresh note, providing a new perspective on the roots of the crisis and a provocative proposal for how to deal with it. Seeley proposes that beekeepers use knowledge about wild populations to change how they practise their craft. He calls for 'Darwinian beekeeping', modelled after Darwinian medicine, which posits that mismatches between the current environment and the environment to which an organism originally adapted diminish the organism's fitness. For Seeley, this related to the differences between life in a bee tree and life in a beehive. His suggestions amount to a 'kinder and gentler' approach that takes advantage of bees' natural tendency to adapt to their environment.



Source: www.nature.com



On the eve of World environment Day, Hon'ble Union Environment Minister launched #selfiewithsapling campaign

Hon'ble Union Environment Minister, Shri Prakash Javadekar launched a people's campaign #SelfiewithSapling on 4 June 2019. Urging all to join and plant a sapling and post the selfie with the sapling on social media. Shri Javadekar stressed that 'Jan Bhagidari' is integral towards tackling the environmental issues and environment protection has to be a people's movement.

World Environment Day 2019 urges governments, industries, communities and individuals to come together to explore renewable energy, green technologies and improve air quality in cities and regions across the world. The celebration of this day provides us with an opportunity to broaden the basis for an enlightened opinion and responsible conduct by individuals, enterprises and communities in preserving and enhancing the environment.

World Environment Day is the biggest annual event for positive environmental action and takes place every 5 June.

Source: <http://pib.nic.in/newsite/PrintRelease.aspx?relid=190263>



One day National workshop on Climate Related Loss and Damage in India, organized by Ministry of Environment, Forest and Climate

A one-day National Consultation on Climate related Loss and Damage, to deliberate and brainstorm on emerging perspectives on approaches to assess, minimise and address climate-related loss and damage, was hosted by the Ministry of Environment, Forest and Climate Change in New Delhi on 16 April 2019. The workshop was inaugurated by Additional Principal Secretary to the Prime Minister, Dr. P. K Mishra, who mentioned that India has been experiencing weather and climate related loss and damage, the Kerala floods and Ockhi being the rarest of the rare events. Given the evolving scenario, he suggested that the past is no longer a good guide for the future, and therefore such workshops are important. He identified five principal challenges that need to be addressed, including the need to understand not only the total quantum of loss but also its location, as well as impact on gender and social groups, the need to go beyond what is easier to measure, such as biodiversity loss, ecosystem services etc.

<http://pib.nic.in/newsite/PrintRelease.aspx?relid=189781>



Solar man of Kolkata becomes India's innovation champ



Solar man and Green Oscar awardee SP Gon Chaudhuri has received the prestigious Mission Innovation Champion Award of India for his contribution in providing energy to rural India. He has completed numerous Solar PV projects within India and abroad. He also set up India's first megawatt-scale-grid-connected solar power plant and the first floating solar power plant.

Here's a look at some of his innovations:

1) Micro-solar dome:- This is a small device that captures solar energy during the day and operates at night using a solar PV system.



2) Solar Water Purifier:- To cater to the needs of safe and clean potable water in government schools, He invented a solar water purifier. He claims that the device is the first-of-its-kind, and can treat water containing suspended particles and bacteria through solar-powered UV light while saving 30 units of power in a month.



3) Janata Solar ATM:- “In rural India, more than 45 per cent of women do not use ATMs due to low literacy rates. Also, the power in villages is erratic. Thus, a solar-operated ATM could be a solution.”

Keeping in mind the difficulty of remembering the PIN, the solar-powered ATM, christened the ‘Janta ATM’ incorporates the use of biometrics. A touchpad on the device identifies your finger impression. Now, assuming you are registered, your name and picture will appear. The ATM will dispense the selected amount. A headset attached to it will read out your updated bank account statement.



Source: <https://timesofindia.indiatimes.com/>



