

Chhattisgarh State Centre For Climate Change



Quarterly Newsletter

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Message from PCCF & HoFF, Chhattisgarh



The Climate Change has become a global concern over the last few decades. Climatic Changes affect life on the earth in various ways. These Climatic Changes are having various impacts on the ecosystem and ecology. Due to these changes, a number of species of plants and animals have gone extinct. We need to take part and try to stop global warming and other effects of Climate Change. I congratulate the entire team of Newsletter for their efforts to bring out the publication. This publication will serve as a knowledge tool to spread the latest information & awareness regarding Climate Change.

With best wishes.....

(Rakesh Chaturvedi)

I.F.S.

PCCF & HoFF, Chhattisgarh
Nava Raipur, Atal Nagar

Message from Editor's Desk.....



Welcome to the 13th issue of the Chhattisgarh State Centre for Climate Change's Newsletter. This issue includes information of the events and programs held / organized at the national and international level as well as the efforts made by this office, in which mainly Implementation and review of NAFCC project which is implemented by Chhattisgarh State Centre for Climate Change.

All the readers are welcome to send their valuable suggestions for the forthcoming issues of this Newsletter.

(O. P. Yadav)

I.F.S.

APCCF (Monitoring and Evaluation) and
Nodal Officer, Chhattisgarh State Centre
for Climate Change, Raipur

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Implementation of NAFCC Project "Climate Adaptation in Wetlands along the Mahanadi River Catchment Area in Chhattisgarh" .

Chhattisgarh State Centre for Climate Change is implementing a 05-year (2016-17 to 2020-21) pilot project "Climate Adaptation in wetland areas located in the catchment area of Mahanadi " of Rs. 21.47 crore in 19 villages of three Forest Divisions Dhamtari, Balodabazar and Mahasamund. This project is sponsored by the Ministry of Forest, Environment and Climate Change, Government of India, under the National Adaptation Fund of Climate Change. Review meeting of NAFCC project "Climate Adaptation in Wetlands along the Mahanadi River Catchment Area in Chhattisgarh" was organised under the chairmanship of Shri Rakesh Chaturvedi, IFS, PCCF and in the presence of Shri O. P. Yadav, IFS, APCCF (Monitoring and Evaluation) and Nodal Officer, Chhattisgarh State Center for Climate Change on 15/07/2020 at Aranya Bhawan, Nava Raipur, Chhattisgarh. Shri Mahendra Soran, Chief General Manager, NABARD, Raipur, Chhattisgarh & Smt. Shaily Jamuar, Deputy General Manager, NABARD, and Divisional Forest Officers of Dhamtari, Mahasamund and Baloda Bazar have also attended the meeting.

Dr. Anil Kumar Shrivastava, Research Associate, Chhattisgarh State Centre for Climate Change has presented the power point presentation in which he has given detailed information of NAFCC project "Climate Adaptation in Wetlands along the Mahanadi River Catchment Area in Chhattisgarh".



Divisional Forest Officers of Balodabazar, Dhamtari and Mahasamund informed that the project has been prepared in collaboration with Agriculture Department, Horticulture Department, Animal Husbandry Department, Fisheries Department and Health Department to benefit the beneficiaries of the project area. staggered contour trenches, gully plug (brush wood check dam), repair of old pound, pipe outlets in bunds, field bunding and land leveling, removal of silt from wetlands, percolation tank, construction of

stop dam and check dam works are being done in Divisions under the project.

Praising the work done under the project by Shri Mahendra Soran, Chief General Manager, NABARD, Raipur, Chhattisgarh, called for the completion of the remaining works by March 2021.

The Nodal Officer directed all the three Forest Divisions to complete the remaining works under the project in numerically and qualitatively prescribed time, so that the project goals can be met.



Participation in the Under 2 Coalition General Assembly which was held alongside of Climate Week NYC 2020 during 21st to 27th September 2020

Chhattisgarh State Centre for Climate Change attended Under 2 Coalition General Assembly which was held alongside of Climate Week NYC 2020, held virtually during 21-27 September which was supported by the U.N. and New York City and organized by the Climate Group, which is in pursuit of a net-zero future “through just transition.” There were more than 500 events from nations including India, Ecuador and Australia, and more than 1,500 attendees.

“There’s a lot to be said for the power of the virtual world in creating greater accessibility and awareness of climate change,” said Helen Clarkson, CEO of the Climate Group, in a statement. “We want to build a model that allows us to continue to do this, even when we’re able to come together again.”

Speaking of The Climate Group’s programmes to help industry to lead the transformation on the ground, Divya Sharma, executive director of the The Climate Group’s India operations said that the effort was help companies to “commit to energy and productivity transitions”. Sharma argued that well-established companies have the capacity to influence.

In a first, eight beaches of India recommended for the coveted “Blue Flag” International eco-label

On the evening of International Coastal Clean-Up Day which is celebrated across 100 countries since 1986, Union Ministry of Environment, Forest and Climate Change (MoEFCC) announced at a virtual event that for the first time eight beaches of India are recommended for the coveted International eco-label, the Blue flag certification. The recommendations are done by an independent National Jury composed of eminent environmentalists & scientists. Blue Flag beaches are considered the cleanest beaches of the world. The eight beaches are Shivrajpur in Gujarat, Ghoghla in Daman&Diu, Kasarkod and Padubidri beach in Karnataka, Kappad in Kerala, Rushikonda in Andhra Pradesh, Golden beach of Odisha and Radhanagar beach in Andaman and Nicobar.



Global Initiative to reduce Land Degradation and Coral Reef program launched at G20 Environment Ministers Meet.

The Environment Ministerial Meeting (EMM) of the G20 countries took place on 16 sept 2020 through video conferencing under the Presidency of Kingdom of Saudi Arabia. Representing India, Union Environment, Climate Change and Forest Minister Shri Prakash Javadekar said, India has taken significant steps to protect environment and forest and wildlife as well as combating pollution and climate change.

Shri Javadekar said, India is committed to work with G20 nations for a better world. He said, India is blessed with vast bio-diversity and ecosystem. The Minister said, India has been taking measures to enhance coral reef conservation. He noted that India's steps towards dealing with climate change have been remarkable and stated that the world has to channel its best practices to deal with climate change and to get concrete results.

Do you Know?



Do you Know? DID YOU KNOW?



The total tree cover of Chhattisgarh has been estimated **4,248 Km²** of the total geographical area of the State!



The Great Himalayan National Park Conservation Area

The 90,540 ha property protects some 31 species of mammals, 209 birds, 9 amphibians, 12 reptiles and 125 insects



DID YOU KNOW?



There are **551** existing **Wildlife Sanctuaries** in India, that covers an area of **1,19,775.80 km²**, which is **3.64%** of the total geographical area of the country!

Source: WII ENVIS

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India along with 30 countries deliberates on issues of Climate Change in first ever virtual Petersberg Climate Dialogue

The eleventh session of Petersberg Climate Dialogue witnessed India along with 30 other countries deliberating over ways and means to tackle the challenge of reinvigorating economies and societies after COVID-19, while enhancing collective resilience and catalysing climate action while also supporting in particular those most vulnerable.

Representing India in the first virtual Petersberg Climate Dialogue, Shri Prakash Javadekar, Union Minister for Environment, Forest and Climate Change said that, Today, as the World is unitedly engaged in finding a vaccine for novel Corona virus, likewise we should have Climate Technology as open source which must be available at affordable cost. Stressing on the issue of Climate finance, Shri Javadekar said the World now needs more. “We must plan for 1 trillion USD in grants to developing world immediately”, advocated the Union Minister.

Expressing solidarity with the world as it combats the COVID 19 pandemic the Union Minister highlighted how COVID – 19 has taught us that we can survive on less. The world must think of adopting more sustainable consumption patterns in line with requirement of sustainable lifestyles, as was first mooted by Hon’ble Prime Minister of India, Shri Narendra Modi during Paris COP, reiterated the environment Minister.

He mentioned that India’s Nationally Determined Contributions spanning a ten-year time frame are ambitious and are also compliant with the temperature goal of the Paris Agreement. The minister also spoke about the opportunity world has today to accelerate renewable energy deployment and creating new green jobs in the renewable energy and energy efficiency sector.

The first virtual Climate Dialogue, was the eleventh session of Petersberg Climate Dialogue which has been hosted by Germany since 2010 to provide a forum for informal high-level political discussions, focusing both on international climate negotiations and the advancement of climate action. The virtual XI Petersberg Climate Dialogue was co-chaired by Germany and United Kingdom, the incoming Presidency of 26th Conference of Parties (COP 26) to United Nations Framework Convention on Climate Change (UNFCCC). The dialogue saw participation from Ministers and representatives of about 30 countries.



Urban Forest scheme to develop 200 'Nagar Van' across the country in next five years

On the occasion of World Environment Day, the government today announced implementation of the Nagar van scheme to develop 200 Urban Forests across the country in next five years with a renewed focus on people's participation and collaboration between Forest Department, Municipal bodies, NGOs, Corporates and local citizens. World Environment Day (WED) is celebrated on 5th June every year. Ministry of Environment, Forest & Climate Change celebrates WED focusing on the theme declared by United Nation's Environment Programme (UNEP) and organizes several events. This year's theme is 'Biodiversity'. In view of the prevalent situation due to COVID-19 pandemic the ministry held virtual celebrations of World Environment Day on this year's theme with focus on Nagar Van (Urban Forests).

Releasing a brochure on the best practices on Urban Forests and announcing the Nagar Van scheme, Shri Prakash Javadekar, Union Environment Minister said that these forests will work as lungs of the cities and will primarily be on the forest land in the City or any other vacant land offered by local urban local bodies. Stressing on this year's theme i.e. "Time for Nature" with special focus on biodiversity, Shri Javadekar said "thumb rule is that if we protect nature, nature protects us".

Stressing on this year's focus on Biodiversity the Environment Minister said, "India has 8 percent of world's biodiversity, despite having many constraint like only 2.5 % of the world's landmass, has to carry 16% of human as well as cattle population and having only 4% of fresh water sources; the mega biodiversity that we have is the result of Indian ethos which is to be in sync with the nature."

Highlighting the Indian culture, Shri Javadekar said that "India is probably the only country where trees are worshipped, where animals, birds and reptiles are worshipped and this is the respect Indian society places for environment. We had a very important tradition of village forest since ages, now this new scheme of urban forest will fill up the gap because urban areas have Gardens but very rarely forests; With this activity of creating urban forest we will also create additional carbon sink, said the Union Minister.

The UNCCD executive director, Mr. Thaw said that "Is it not time, that we realise that we need nature more than nature needs us, if at all. Is it not time, that we have the humility to rethink and redefine our relationship with nature. Perhaps, it is time for humanity to have a new social contract for nature."



Rattan Lal wins World Food Prize 2020 for developing and mainstreaming a soil-centric approach to increasing food production that conserves natural resources and mitigates Climate Change.

Leading Indian-American soil scientist Dr Rattan Lal has been selected as this year's recipient of the World Food Prize for developing and mainstreaming a soil-centric approach to increasing food production that conserves natural resources and mitigates climate change.

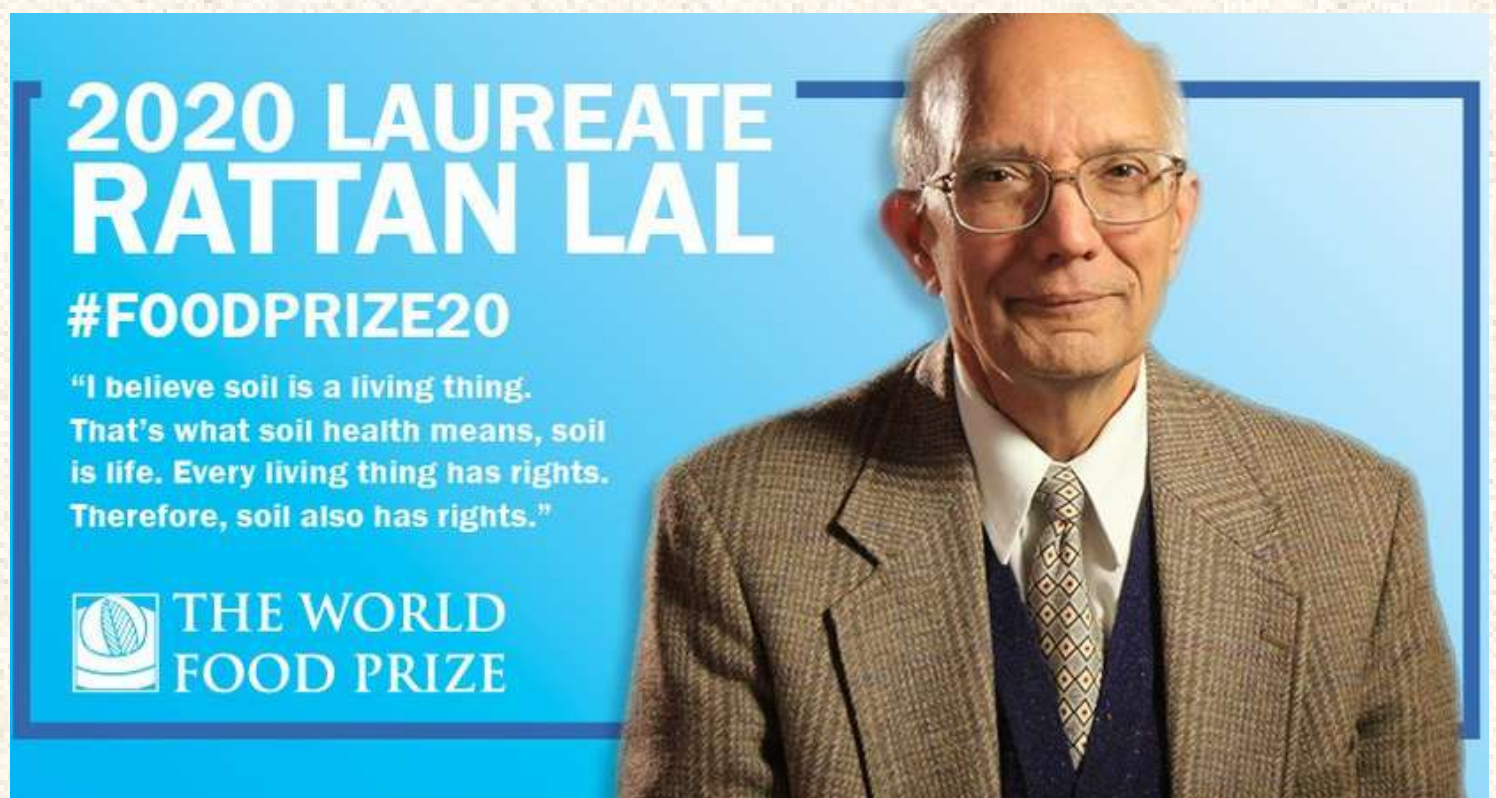
The World Food Prize is considered equivalent to the Nobel Prize in the field of agriculture, and the recipient is awarded \$250,000 for improving the quality and availability of food.

Dr Lal's contribution to soil conservation also increased the global food supply by helping small farmers improve their soil's health

The World Food Prize Foundation President Barbara Stinson announced Lal as the winner in an online ceremony in Washington DC Thursday. The ceremony featured pre-recorded remarks from US Secretary of State Mike Pompeo and US Secretary of Agriculture Sonny Perdue.

"Dr Lal's research in soil science shows that the solution to this problem is right under our feet. He's helping the earth's estimated 500 million small farmers be faithful stewards of their land through improved management, less soil degradation, and the recycling of nutrients. The billions of people who depend on these farms stand to benefit greatly from his work," said Secretary Pompeo


Hailing his work in soil conservation, the foundation's president said, "Dr Lal is a trailblazer in soil science with a prodigious passion for research that improves soil health, enhances agricultural production, improves the nutritional quality of food, restores the environment and mitigates Climate Change."



**2020 LAUREATE
RATTAN LAL**

#FOODPRIZE20

**"I believe soil is a living thing.
That's what soil health means, soil
is life. Every living thing has rights.
Therefore, soil also has rights."**

 **THE WORLD
FOOD PRIZE**



वर्ल्ड एन्वायरमेंट डे पर पढ़िए शहर के बेस्ट ग्रीन जोन पर खास रिपोर्ट

ऑक्सीजन से शहर को मिले नए लंग्स, 5 हजार पेड़ों से घिरा ये जोन दस हजार जिंदगियों को दे रहा सांस

■ एक पेड़ सालभर में 260 पाउंड ऑक्सीजन देता है। एक पेड़ से औसतन दो लोगों को मिलती है पर्याप्त ऑक्सीजन

■ इस लिहाज से 19 एकड़ में फैले ऑक्सीजन के पांच हजार पेड़ों से दस हजार लोगों को मिल रही ऑक्सीजन

सिटी रिपोर्टर . रायपुर

ये तस्वीर है शहर के बीचों-बीच बनाए गए ऑक्सीजन की। तीन साल पहले कलेक्ट्रेट कैम्पस के पीछे लगभग 19 एकड़ में 12 करोड़ की लागत से डेवलप किए गए इस मानव निर्मित जंगल को बनाने के लिए कई दुकानों को तोड़ा गया था। तब इसका भारी विरोध हुआ था, लेकिन अब यही जोन शहर के लंग्स बन चुके हैं। पांच हजार से ज्यादा पेड़ों से घिरे इस जोन में लॉकडाउन से पहले रोजाना लगभग दो हजार लोग मॉर्निंग और ईवनिंग वॉक करने आते थे। यहां अधिकतर ऐसे पेड़ हैं, जिनसे अधिक मात्रा में ऑक्सीजन निकलती है। ऐसी ग्रीनरी शहर के बीचों-बीच कहीं भी नहीं है।

■ यहां चारों ओर पाथवे बनाया गया है।

■ यहां मीडिटेशन जोन और बॉर्मींग स्पेस भी है।

■ हर उम्र के लोगों के लिए ओपन जिम और बच्चों के लिए चिल्ड्रन जोन भी है।

■ प्राकृतिक सौंदर्य का अहसास कराने के मकसद से यहां कृत्रिम तालाब भी बनाया गया है।



कैनाल रोड और कलेक्ट्रेट जाने वाली रोड के बीच बना ऑक्सीजोन। फोटो- भूपेश केशरवानी

■ **जल:** केंद्रीय भू-जल की रिपोर्ट के अनुसार रायपुर का जल स्तर 2019 में 20 मीटर नीचे जा चुका था। लेकिन लॉकडाउन के कारण इस साल जल स्तर गिरने के बजाय 20 मीटर ही रहने का अनुमान है।

■ **हवा:** लॉक डाउन से पहले PM 10 यानी हवा में धूल के बड़े कणों की मात्रा औसतन 110 माइक्रो ग्राम क्यूबिक मीटर थी, ये अब 60 माइक्रो ग्राम क्यूबिक मीटर रह गई है।

(PM 10 का स्तर 100 माइक्रो ग्राम क्यूबिक मीटर से कम सामान्य और 100 से ज्यादा होने पर सेहत के लिए नुकसानदेह माना जाता है।)

■ **ध्वनि:** लॉकडाउन से पहले शहर में ध्वनि प्रदूषण लगभग 65 डेसिबल था, ये अब लगभग 47 डेसिबल है। मानक स्तर 45 डेसिबल है।

7 एकड़ में बना रहे सेकेंड फेज

■ ऑक्सीजन के दूसरे फेज का लगभग 90% काम पूरा हो चुका है। इस माह के आखिर तक होगा तैयार

■ उस इलाके के आसपास रहने वाले लगभग 10 हजार लोग भी ऑक्सीजोन से सीधे जुड़ सकेंगे।

DB 121 RAINBOW TUESDAY FOCUS 02 JUNE 2020

5 जून विश्व पर्यावरण दिवस: तूफान और बढ़ती गर्मी वैज्ञानिकों में चिंता का विषय
क्लाइमेट चेंज का प्रभाव, तय समय से पहले ही बनने लगे तूफान

कोरोना संकट के बीच पर्यावरण जल्द साफ हुआ है, लेकिन लगातार बढ़ते प्रदूषण और मानवीय क्रियकलापों ने वैश्विक जलवायु पर काफी विपरीत प्रभाव डाला है। 5 जून को विश्व पर्यावरण दिवस है। इस मौके पर वैज्ञानिकों के बीच यह गंभीर चिंता का विषय है कि तूफान, बढ़ती गर्मी जैसी बदलती जलवायु परिस्थितियां इस वर्ष और आने वाले समय में अधिक घातक हो सकती हैं।



1930 के दशक में 'ग्रेट वेन' बसों के डीलर ऑपरेटर ने ब्रिस्बेन रोडवेज इलाके में एक ही पेड़ को बार-बार लॉक अपन कर कई डीलरों के बाल बर्त कर दिए थे।

एक भी बूंद पानी व्यर्थ न करने वाला प्लांट बनेगा, भिलाई में प्रोजेक्ट शुरू

भिलाई. भिलाई इस्पात संयंत्र एक भी बूंद पानी व्यर्थ नहीं बहाने वाला स्टील अथॉरिटी ऑफ इंडिया लिमिटेड (सेल) का पहला संयंत्र होगा। इसके लिए संयंत्र प्रबंधन 3 करोड़ के डिलीकिंग प्रोजेक्ट पर काम कर रहा है।

Editorial Team

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