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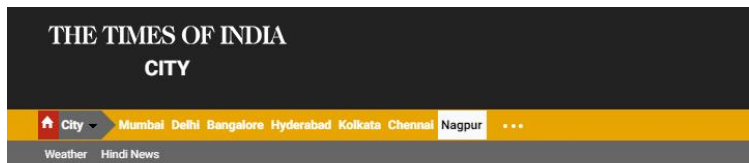


CSIR-NEERI IN SOCIAL MEDIA
Quarterly Bulletin
OCT. 2017 – DEC. 2017





NEERI Gets Down to Cleaning GANGA, NAG, 8 other Rivers



News » City News » Nagpur News » Neeri gets down to cleaning Ganga, Nag, 8 other rivers

Neeri gets down to cleaning Ganga, Nag, 8 other rivers

Manka Behl TNN | Updated: Oct 6, 2017, 11:53 IST

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Representative image

NAGPUR: [The National](#) Environmental Engineering Research Institute ([Neeri](#)) has devised a two-pronged plan to rejuvenate major and minor rivers of the country. The institute believes around 80% of the river pollution is caused by untreated domestic sewage. Already working on rejuvenation of some rivers, Neeri will now focus on Ganga, Yamuna, Narmada, Daman

Ganga, Godavari, Chandrabhaga, and parts of Krishna river. Among small rivers, the institute plans to revive Nag river (Nagpur), Mithi river (Mumbai), Nasardi river ([Nashik](#)), and some rivers of Rajasthan and Andhra Pradesh.

Neeri director Rakesh Kumar said the rejuvenation project will have two main aspects, for which support of government agencies, educational institutes, NGOs, and the civic society will be enlisted. "The first aspect is the scientific assessment of

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<https://timesofindia.indiatimes.com/city/nagpur/neeri-gets-down-to-cleaning-ganga-nag-8-other-rivers/articleshow/60963150.cms>



NEERI Gets Down to Cleaning GANGA, NAG, 8 other Rivers

For this part, Neeri has tied up with Indian Institute of Technology (IIT) Roorkee, IIT BHU, and National Chemical Laboratory, Pune. "In the coming weeks, a team from these institutes is heading to various spots along the path of Ganga river to monitor the water, and suggest site-specific solutions. Similar approach will be taken up for other rivers," said Kumar.

The second aspect will focus on public connect and creating mass awareness, for which Neeri plans to take support of Rajendra Singh, known as waterman of India, Rama Rauta, a prominent figure in the 'Save the Ganga' movement, and various other organizations working for river conservation. Also in the pipeline is a pact with Sadhguru, of Isha Foundation, who recently launched a rally for rivers in the country.

Stating that domestic sewage is killing major rivers of the country, Kumar said the main strategy will be conducting a site-specific study and suggesting rejuvenation measures. "We are trying to locate major pollution sources to restrict the entry of untreated sewage in the rivers. To save our rivers, simultaneous schemes to treat sewage are needed," he added.

Not just treating but reusing the sewage becomes a must. "It is important to ensure that the sewage is being treated effectively, and reusing it is the best way to know the real picture. Even if 30-40% of treated sewage is reused, it can curb river pollution to a large extent," said Kumar.

The main targets will be major drains emptying into the rivers. Ritesh Vijay, principal scientist at Centre for Strategic Urban Management (C-SUM) and director of technical cell, said, "Depending on the site, we will suggest either in situ treatment, where sewage will be treated right at the drain, or ex situ treatment, where sewage would be pumped out, treated and then released back in the drain."

Apart from domestic sewage, Neeri will also focus on pollution caused by industrial waste, especially in smaller rivers. "Reviving them is equally important," said Kumar.

<https://timesofindia.indiatimes.com/city/nagpur/neeri-gets-down-to-cleaning-ganga-nag-8-other-rivers/articleshow/60963150.cms>



Emerging Trends in Biotechnology for Waste Conversion

8-10 OCT 2017



Emerging Trends in Biotechnology for Waste Conversion



8-10 OCT 2017



Eco-friendly Col. & Tret.



12 OCT 2017



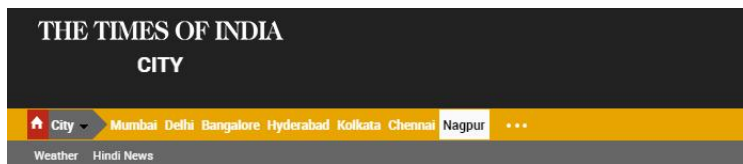


30 OCT 2017





NEERI Tracking Pollutants from Punjab and Haryana



News » City News » Nagpur News » Neeri tracking pollutants from Punjab and Haryana

Neeri tracking pollutants from Punjab and Haryana

Manka Behl TNN | Updated: Nov 5, 2017, 11:31 IST



Representative Image

NAGPUR: With stubble burning at its peak in Punjab and Haryana after the kharif season, scientists from the National Environmental Engineering Research Institute (Neeri) have started [tracking pollutants from the two states](#). The project has been initiated to determine the impact of crop burning on Delhi's air quality.

The institute has undertaken the study for [Central Pollution](#)

[Control Board](#) (CPCB) and a team from Nagpur, Delhi and Mumbai are monitoring air at different locations. "We have set up three monitoring stations in Delhi and two in Punjab and Haryana each, and are monitoring the air simultaneously since the last ten days," said Neeri director Rakesh Kumar.

The equipment have been deployed at interface of urban and rural areas to get most accurate results. "After continuing the monitoring for another week, the air

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<https://timesofindia.indiatimes.com/city/nagpur/neeri-tracking-pollutants-from-punjab-and-haryana/articleshow/61510512.cms>



NEERI Tracking Pollutants from Punjab and Haryana

The equipment have been deployed at interface of urban and rural areas to get most accurate results. "After continuing the monitoring for another week, the air samples will be collected for fingerprint analysis. Since the stubble burning particles are different from normal dust ones, we will try to co-relate what kind of particles are coming from where and quantify different parameters like PM10 (particulate matter), PM2.5, gaseous components, elemental and organic carbon and metal content in the air," said SK Goyal, senior principal scientist and head at Neeri's Delhi zonal centre.

According to scientists, this is the best period to monitor air as "stubble burning is in its prime". The real time pollution figures of PM2.5 and PM10, available on the Delhi Pollution Control Committee website, show that concentration of particulate matter in some areas is over five times more than the permissible limit. The permissible limit for PM2.5 is 60 microgram per cubic metre (mpcm) while for PM10 it is 100.

On Saturday evening, the PM10 levels at Wazirpur and Rohini exceeded 500 mpcm. At areas like Parparganj, Okhla, Sonia Vihar, both PM10 and PM2.5 were two-to-three times more than the safe limit.

Despite the National Green Tribunal (NGT) banning unabated burning of agricultural residue in Punjab and Haryana, huge quantities of stubble is being set afire by farmers. According to experts from the institute, an average of over 15 million tonnes of residue is burned in 15 days to make room for crops.

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NEERI Tracking Pollutants from Punjab and Haryana

"The burning of huge quantity in lesser duration that, too in winters, is a major cause of concern. During this weather, the [atmospheric capacity](#) to disperse pollutants is lowest," Goyal said.

Apart from using mathematical modelling for studying wind direction, another component of the study is satellite imagery for which Neeri is seeking support of [Indian Institute of Technology](#), Bombay. "Major 'heating points' where maximum burning is taking place will be captured along with the direction of fumes," Kumar said.

'Source profiling' will be carried out in the second phase of the study. "The pollutants which we are capturing are from a combination of different sources including industrial, vehicular and others. Hence with the help of source profiling, we will try to ascertain how much pollutants are emitted when a known quantity of crop is burned," Goyal added.



13 NOV 2017





NEERI, IIT-M begin Study of Air in 10 Cities of Maharashtra

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News » City News » Nagpur News » Neeri, IIT-M begin study of air in 10 cities of Maharashtra

Neeri, IIT-M begin study of air in 10 cities of Maharashtra

Manka Behli TNN | Nov 17, 2017, 02:58 IST

Nagpur: A first-of-its kind extensive study on air pollution has kick-started in ten cities of the state. Unlike usual air quality monitoring, the study will focus on different sources and quantification of air pollution.

As reported by TOI earlier, the year-long study is jointly undertaken by the National Environmental Engineering Research Institute (Neeri) and Indian Institute of Technology (IIT) in Powai (Mumbai) with an aim of developing mitigation measures.

The Maharashtra Pollution Control Board (MPCB) is funding and facilitating the study for which Rs5.75 have been allocated. It is being conducted in Amravati, Aurangabad, Nashik, Nagpur, Chandrapur, Pune, Solapur, Kolhapur, Mumbai and Navi Mumbai.

Neeri director Rakesh Kumar said that monitoring has started in all the cities. "Though the board already has air quality monitoring stations, additional sampling is being done at multiple locations," he added.

Padma Rao, senior principal scientist and head of Air Pollution Control Division at Neeri, informed that preliminary findings of the study are under analysis. "While IIT-Powai is looking after ambient air quality monitoring, the filter papers are being brought to Nagpur for analysis," she said.

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<https://timesofindia.indiatimes.com/city/nagpur/neeri-iit-m-begin-study-of-air-in-10-cities-of-maharashtra/articleshow/61678976.cms>



NEERI, IIT-M begin Study of Air in 10 Cities of Maharashtra

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The first phase of the study is over and presently monitoring is being carried out for the winter season when air pollution is at its peak.

Apart from testing quality of air and "general compliance", the study focuses on sources of pollution in a particular air parcel. Samples are being collected from 10-15 locations in every city.

"This is a source proportionate study in which hundreds of samples will be analysed by fingerprinting all sources contributing to air pollution," said Rao.

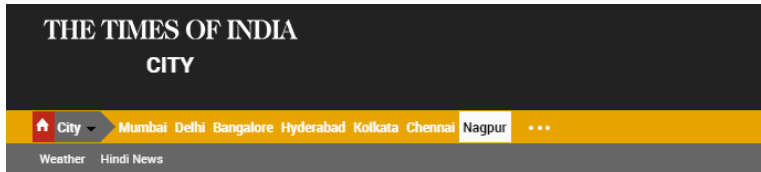
In Nagpur, Neeri will also undertake "emission inventory" which is accounting the amount of pollutants discharged into the atmosphere. "We are collecting comprehensive data regarding number of industries, vehicles, biomass burning, thermal power plants, restaurants, crematoriums and other sources of pollution in every city. After analysing the collected samples, we will try to derive the quantity of air pollution occurring every year in a city," Rao added.

After analysing the data, the agencies will suggest solutions for curbing pollution at the source. "We will develop and implement short and long term action plan for improving air quality of the ten cities," said Kumar.

<https://timesofindia.indiatimes.com/city/nagpur/neeri-iit-m-begin-study-of-air-in-10-cities-of-maharashtra/articleshow/61678976.cms>



NEERI to Study Eco Impact of Srinagar Boulevard 4-Laning



News » City News » Nagpur News » Neeri to study eco impact of Srinagar Boulevard 4-laning

Neeri to study eco impact of Srinagar Boulevard 4-laning

Manka Behl TNN | Nov 18, 2017, 16:34 IST

Nagpur: The Jammu and Kashmir government has asked city-based National Environmental Engineering Research Institute (Neeri) to study the environmental impact of four-laning the Boulevard Road that runs adjacent to the iconic Dal lake. In a recently held meeting at Srinagar between officials of Lakes and Waterways Development Authority, Neeri, Srinagar Municipal Corporation, Srinagar Development Authority, and J&K Department of Ecology, Environment and Remote Sensing, divisional commissioner of Kashmir Baseer Ahmad Khan stated that Neeri would submit a proposal soon.

Neeri director Rakesh Kumar said environmental impact assessment (EIA) was a must in this project. "As the road is adjacent to the lake, we can prepare an environment management plan after an assessment. This is needed to avoid any damage to the water body," Kumar added. A team of over 10 scientists from the city will be working on the project.

Dal, the second largest lake of the state, is reportedly in a bad shape. Local media reports said the lake was "battling pollution from untreated sewage". According to Neeri scientists, nutrients from agricultural fields were also polluting it. "The shallow lake is covered with floating and submerged plants that disturb the lake's ecology," said Ritesh Vijay, principal scientist at Centre for Strategic Urban Management, and

<https://timesofindia.indiatimes.com/city/nagpur/neeri-to-study-eco-impact-of-srinagar-boulevard-4-laning/articleshow/61701880.cms>

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NEERI to Study Eco Impact of Srinagar Boulevard 4-Laning

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As part of the EIA, Neeri will focus on five important components of environment — air, water, noise, biological and socio-economic. "Our strategy will be to carry out monitoring for every component. Under the socio-economic aspect, we will find out if people on the periphery of the lake are ready for the project," said Vijay.

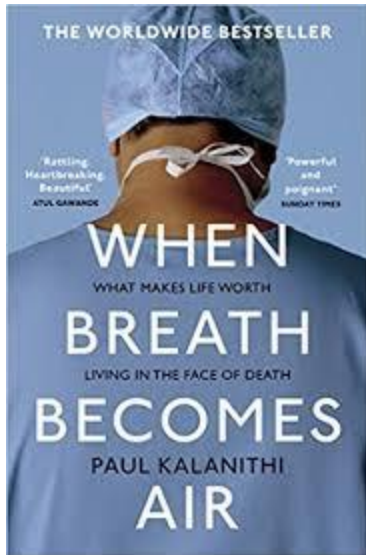
Neeri plans to conduct monitoring for at least one season. "Based on monitoring results and prediction of impact, we will prepare a plan suggesting mitigation measures. The main objective is to make sure nothing goes into the lake during the construction," Vijay added.

In 2012-13, Neeri had done an extensive study on impact of three sewage treatment plants (STPs) on the lake. This time, geographical aspect will play an important role. "The topography is a bit challenging with the lake being at the lowest level on one side of the road and hillocks on the highest level at the other side. We will try to take advantage of this and suggest natural solutions," said scientist Sukdeb Pal, Waste Water Technology division, Neeri.

<https://timesofindia.indiatimes.com/city/nagpur/neeri-to-study-eco-impact-of-srinagar-boulevard-4-laning/articleshow/61701880.cms>



21 NOV 2017



Inaugurate By: Director, CSIR-NEERI
Speaker: Dr. Mona Rai
Book Name: "When Breath Become Air
by Paul Kalanith"
Venue: "Knowledge Resource Centre"





21 NOV 2017



Event: Noise Monitoring Through Cycle Survey



04 DEC 2017





08 DEC 2017



IFS officer trainees visit CSIR-NEERI

A group of 55 IFS officer trainees from Indira Gandhi National Forest Academy, Dehradun visited CSIR-NEERI on December 6, 2017 as a part of Winter Study Tour organized by the Academy. Dr. J.S. Pandey, Chief Scientist & Head, Centre for Climate Sustainability and Skill Development (CCSSD) & Science Secretary welcomed the young officers, mostly engineering graduates from IITs, and presented an overview of the institute followed by an interactive session. The officers interacted with the CSIR-NEERI scientists on various issues of importance to science and technology and wanted to know more about the technology generation and dissemination strategy of the institute for the benefit of industry and society at large. Later, the officers visited various research and demonstration facilities of CSIR-NEERI and engaged themselves in deep interaction with the researchers. CSIR-NEERI had made elaborate arrangements for the visitors to acquaint them with various ongoing research programmes of the institute.





नीरी पहुंचे आईआईएफएम के विद्यार्थी

■ इंडस्ट्रियल टूर सहित
विविध गतिविधियां हुईं

नागपुर। 26 दिसंबर। लोस सेवा

राष्ट्रीय पर्यावरण प्रौद्योगिकी अनुसंधान संस्थान (नीरी) की ओर से क्लाइमेट सस्टेनिबिलिटी को लेकर पहले कौशल विकास कार्यक्रम का आयोजन किया गया। इसमें इंडियन इंस्टीट्यूट ऑफ फॉरेस्ट मैनेजमेंट (आईआईएफएम) भोपाल के 30 विद्यार्थी शामिल हुए। विद्यार्थियों ने फील्ड विजिट, इंडस्ट्रियल टूर, व्याख्यान, लाइव प्रोजेक्ट आदि गतिविधियों में हिस्सा लिया।

नीरी की तरफ से विद्यार्थियों को वायु प्रदूषण नियंत्रण, दूषित पानी की प्रक्रिया, जलशुद्धिकरण, घनकचरा व्यवस्थापन आदि क्षेत्र में



नीरी के वैज्ञानिकों के साथ आईआईएफएम के विद्यार्थी।

किए गए कार्यों के संबंध में जानकारी दी गई। 21 दिनों तक चले इस उपक्रम में विद्यार्थियों को काफी अनुभव मिला।

विद्यार्थियों को पर्यावरण संवर्द्धन, वैज्ञानिक ज्ञान, विश्लेषण आदि के साथ तकनीकी ज्ञान भी दिया गया। नीरी के मुख्य वैज्ञानिक और सेंटर ऑफ क्लायमेट

सस्टेनिबिलिटी एंड स्किल डेवलपमेंट के प्रमुख डॉ. जे.एस. पांडे कार्यक्रम के समन्वयक थे। कार्यक्रम की सफलता के लिए प्रधान वैज्ञानिक डॉ. एच. वी. सिंह, डॉ. पी. आर. सालवे का सहयोग मिला। 'आईआईएफएम' की तरफ से प्रा. एम. डी. ओमप्रकाश उपक्रम में शामिल हुए।

लोकमत समाचार
27 DEC 2017



नीरी के कार्यों को जाना IIFM स्टूडेंट्स ने

नागपुर. सीएसआईआर-नेशनल एनवायरनमेंटल इंजीनियरिंग रिसर्च इंस्टीट्यूट (सीएसआईआर-नीरी) द्वारा जलवायु परिवर्तन पर स्किल डेवलपमेंट का पहला कार्यक्रम आयोजित किया गया. कार्यक्रम में इंडियन इंस्टीट्यूट आफ फारेस्ट मैनेजमेंट (आईआईएफएम), भोपाल के 30 स्टूडेंट्स ने हिस्सा लिया. कार्यक्रम में क्षेत्रीय दौरा, उद्योग दौरा, व्याख्यान और एयर पॉल्यूशन कंट्रोल, वेस्ट वॉटर ट्रीटमेंट-रीसाइकिल रियूज, वॉटर प्यूरिफिकेशन, ठोस कचरा प्रबंधन और बंजर भूमि विकास के क्षेत्रों में सीएसआईआर-नीरी की महत्वपूर्ण उपलब्धियों पर लाइव प्रोजेक्ट का समावेश रहा. स्टूडेंट्स ने यह सभी जाना.



सीएसआईआर-नीरी के वैज्ञानिकों द्वारा दिए गए व्याख्यानों से नवीनतम पर्यावरण प्रबंधन के तरीकों को छात्रों ने सीखा. इस अवसर पर मुख्य वैज्ञानिक व सी-सीएसएसडी के प्रमुख डा. जेएस पांडे, डा. वीएच सिंह, डा. पीआर साल्वे, प्रो. एमडी ओमप्रकाश सहित अन्य उपस्थित थे.



लोकमत
25 DEC 2017



'आयआयएफएम'च्या विद्यार्थ्यांची 'नीरी'ला भेट



नागपूर : शाश्वत हवामानासाठी कौशल्य विकासासंदर्भातील पहिल्या विशेष उपक्रमाचे 'सीएसआयआर-नीरी'तर्फे आयोजन करण्यात आले होते. भोपाळ येथील 'आयआयएफएम'च्या (इंडियन इन्स्टिट्यूट ऑफ फॉरेस्ट मॅनेजमेंट) ३० विद्यार्थ्यांनी यात सहभाग घेतला व विविध प्रात्यक्षिकांचा अनुभव घेतला. यात 'फिल्ड व्हिजिट', उद्योगांना भेट, व्याख्यान, 'लाईव्ह प्रोजेक्ट्स' यांचा समावेश होता. 'नीरी'ने वायूप्रदूषण नियंत्रण, सांडपाणी प्रक्रिया-पुनर्प्रक्रिया-पुनर्वापर, जल शुद्धीकरण, घनकचरा व्यवस्थापन इत्यादीसंदर्भातील राबविलेल्या 'प्रोजेक्ट्स'ची सखोल माहिती देण्यात आली. २१ दिवसांच्या या विशेष उपक्रमामुळे विद्यार्थ्यांना प्रत्यक्ष अनुभव मिळाला. पर्यावरण व्यवस्थापनातील नवीनतम रीतीसंदर्भात 'नीरी'च्या वैज्ञानिकांनी व्याख्याने दिली. पर्यावरण संवर्धन, कारणे व त्यांच्या उपायांबाबत वैज्ञानिक ज्ञान, विश्लेषणात्मक बाबी आणि तांत्रिक कौशल्य विद्यार्थ्यांना जाणता आले. सोबतच हवामानातील बदल आणि पर्यावरणाची शाश्वत मूल्ये यांच्याबाबत विद्यार्थ्यांना बऱ्याच नवीन गोष्टी शिकायला मिळाल्या. 'नीरी'चे मुख्य वैज्ञानिक आणि 'सेंटर ऑफ क्लायमेट सस्टेनॅबिलिटी अँड स्कील डेव्हलपमेंट'चे प्रमुख डॉ. जे. एस. पांडे यांनी या कार्यक्रमाचे समन्वयन केले. प्रधान वैज्ञानिक डॉ. एच. व्ही. सिंह, डॉ. पी. आर. साळवे यांचे मौलिक सहकार्य लाभले. 'आयआयएफएम'तर्फे प्रा. एम. डी. ओमप्रकाश यांनी या उपक्रमात सहभाग घेतला होता.

http://epaperlokmat.in/sub-editions/Hello%20Nagpur%20Gramin/2017-12-25/7#Article/LOK_HNGG_20171225_7_1/145px















CSIR-नीरी मना रहा डायमंड जुबली

CSIR-नीरी मना रहा डायमंड जुबली

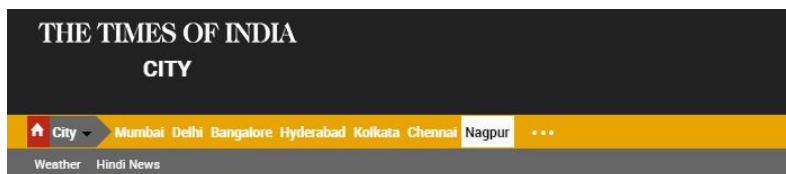
**एल्युमनी मीट
29 और 30 को**

नागपुर. सीएसआईआर-नेशनल इनवायरनमेंटल रिसर्च इंस्टीट्यूट (सीएसआईआर-नीरी) द्वारा 60वां डायमंड जुबली 8 अप्रैल 2017 से 8 अप्रैल 2018 तक मनाया जा रहा है. इसी के साथ एल्युमनी मीट का आयोजन 29 से 30 दिसंबर को नीरी सभागृह में किया जा रहा है. इसमें 200 पूर्व कर्मचारी व प्रोजेक्ट स्टाफ हिस्सा ले रहे हैं. सीएसआईआर-नीरी के डायरेक्टर डा. राकेश कुमार द्वारा प्रेजेंटेशन दिया जाएगा. विजन-2022 पर पैनल चर्चा भी होगी. डा. एच.जे. पुरोहित, जे.एस. पांडे और पवनकुमार लाभसेटवार सहित अन्य का समावेश रहेगा.

स्रोत: लोकमत समाचार 29 दिसम्बर 2017



Take NEERI Achievements to People, Say Top Ex-bosses



News » City News » Nagpur News » Take Neeri achievements to people, say top ex-bosses

Take Neeri achievements to people, say top ex-bosses

TNN | Updated: Dec 31, 2017, 09:31 IST



Dignitaries releasing the diamond jubilee and alumni meet directory of Neeri at a function held on Friday

Nagpur: The alumni of National Environmental Engineering and Research Institute (Neeri) should take its accomplishments further to benefit the society, vis-a-vis the country, said Tapan [Chakrabarti](#), former acting director, on Friday.

The two-day diamond jubilee and alumni meet celebrations of CSIR-Neeri were inaugurated jointly by former acting directors JM Dave, SN Kaul and Tapan Chakrabarti. Rakesh Kumar,

current director, and [Pawan Kumar Labhsetwar](#), senior principal scientist and head, water technology and management division (WTMD), were present.

A diamond jubilee and alumni meet directory giving details of the institute and the alumni was also released on the occasion.

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<https://timesofindia.indiatimes.com/city/nagpur/take-neeri-achievements-to-people-say-top-ex-bosses/articleshow/62309026.cms>



Take NEERI Achievements to People, Say Top Ex-bosses

The celebrations saw various sessions being held on future prospects of the institute comprising group activities, discussions and networking among experts for advancing the [Neeri alumni](#) synergy. Presentations were given on various feats achieved by Neeri and its upcoming projects. A panel discussion on 'CSIR-Neeri's Vision 2022' and 'What alumni can do for or along with Neeri?' was held to identify future research needs in which the current and former officials took part.

Chakrabarti said there is a need to revisit and re-validate the numerous technologies developed by the institute since its inception. The alumni play a pivotal role and their involvement, accompanied with advancements in science, can work wonders for the development of the nation. Scientists must also pay attention to communication skills with the aim of producing quality technical reports and highlight their hard work in an effective manner, added Chakrabarti.

The former directors shared their experiences on various aspects related to environmental science and engineering.

Dave briefed about his role in the formation of Central Public Health Engineering Research Institute (CPHERI) and his vision for air pollution control in the country. "With the country facing air pollution, immediate action is the need of the hour and Neeri can make a lot of difference with research work," Dave added.

Kaul emphasized the need to propagate technological developments of the institute among the people as they are the ultimate beneficiaries. He advised the scientists to relate every environmental problem with a solution.

Briefing about the evolution of Neeri, Kumar said, "The institute has taken up the task of sustainable urban and skill development and upgradation. Neeri will play a major role in wasteland development, rejuvenation of water bodies and waste management and remediation in the country."

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Event: Diamond Jubilee and Alumni Meet



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