

CSIR IN MEDIA



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Union Minister Dr Jitendra Singh calls upon CII to come forward in a big way to promote Start-ups in Jammu and Kashmir to provide gainful employment to youth

CSIR

23rd December, 2022



Union Minister of State (Independent Charge) Science & Technology; Minister of State (Independent Charge) Earth Sciences; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh today urged the industry body, CII to come forward in a big way to promote Start-ups in Jammu and Kashmir to provide gainful employment to youth.

Dr Jitendra Singh said, J&K has huge unexplored potential of Agri-tech Start-ups as the geography and climatic conditions here favour the cultivation of medicinal and aromatic plants. He said, the success of Aroma Mission or 'Purple Revolution' bears testimony to win-win proposition for both farmers and youth entrepreneurs.

Interacting with J&K Chapter of Confederation of Indian Industry, Dr Jitendra Singh said, the real stakeholders from all walks of life should come out with an open mind for overall development of the UT. The Minister recalled that Prime Minister Modi last year, while meeting the political representatives from J&K called for removing Dilli ki Doori (the distance from Delhi) as well as Dil ki Doori (the distance from the heart). He said, after Shri Modi took oath for the second term, 'Mission J&K' was strongly emphasized, of which one of the

important steps taken has been the extensive public outreach program involving Union Ministers, apart from several important developmental projects and new investments bestowed on the newly created UT.

Dr Jitendra Singh promised all help from departments of Department of Biotechnology, CSIR, Department of Atomic Energy for successful ventures of Agri-tech Start-ups in Jammu and Kashmir. He pointed out that apart from Aroma Mission, Biotech KISAN Hub has rejuvenated 40 orchards till date under rejuvenation of apple orchards, where a very innovative methodology has been used to transform the old and non-productive orchards into more productive ones. He said, for this to succeed, the youth have to shed the the government job mind-set.

Mr Sayed Ehsan Javaid, Chairman of CII UT Council, Jammu and Kashmir said, since the abrogation of article 370 post august 5th 2019, they have adopted the theme “Making J&K an Aspirational Destination” by playing a proactive role as a catalyst for sustainable development of the UT and making it an aspirational destination for Investments, Quality Education, and Advanced Infrastructure.

Mr Javaid said, going forward, CII would like to work in the areas where the UT has a huge untapped potential through policy dialogue, sectoral events, B2B and B2G platforms and investment meets. CII will leverage its resources and vast network across the Globe to work with Jammu & Kashmir Government.

TATA Projects, CSIR-IIP Ink MoU For Clean Energy Solutions

CSIR-NML

23rd December, 2022

TATA Projects Limited, one of India's fastest-growing and most admired infrastructure companies inked a Memorandum of Understanding (MoU) with the Council of Scientific and Industrial Research – Indian Institute of Petroleum (CSIR – IIP) to collaborate and work together towards ensuring clean energy solutions.



As part of this endeavor, clean energy solutions such as room temperature bio-diesel produced from CSIR-IIP shall be used across some of Tata Projects' ongoing sites. Further, the partnership will also actively explore the utilization of by-product Green Diesel from the existing DILSAAF™ (Drop-In Liquid Sustainable Aviation Fuel and Automotive fuel), Pilot Plant, at CSIR-IIP's campus in Dehradun and the proposed commercial scale demonstration unit in Tata Projects' fleet.

Construction and infrastructure remain one of the largest industry sectors in India. Thousands of light and heavy vehicles, including various types of construction equipment – both small and large – are utilized during project execution. If even a portion of these vehicles and equipment are migrated from diesel to a cleaner energy source, the shift will ensure lower emissions and a more sustainable future for the sector and the planet.

Mr Vinayak Pai, Managing Director – of Tata Projects Ltd, said, “We are proud to partner with CSIR- Indian Institute of Petroleum, in taking their indigenous, sustainable, bio-based technologies to our construction sites, in our efforts to decarbonize the hard-to-abate engineering and construction industry. As part of the Tata Group's commitment to the

planet, our shift to cleaner alternate energy remains at our core, and we look at the continuous collaboration between academia and industry, to find innovative pathways to that goal.” Dr Anjan Ray, Director – CSIR-IIP, affirmed that “ CSIR-IIP is excited to progress this partnership with Tata Projects Ltd as a specific thrust within the ambit of our initiatives with Tata Sustainability Group. The MoU aligns well with our mandate to reduce India’s energy imports and enhance national self-reliance by repurposing waste and under-utilized local renewable carbon resources.”

CSIR – Indian Institute of Petroleum is located at Dehradun and is dedicated to R&D in the hydrocarbon sector. Its charter is to provide competitive and sustainable technologies and products to meet the requirements of the ever-growing energy sector and develop capacity and capability in new energy areas such as bio-, hydrogen, and solar energy and their innovative combinations.

The Tata Sustainability Group (TSG) serves as a Centre of Excellence and nodal resource on sustainability for Tata group companies. It has, since its formation in 2014, been partnering with Tata group companies to embed sustainability in their business strategies and transition them to a low-carbon scenario. The Tata Group recently outlined a transformative vision on sustainability which envisages the Group becoming Net Zero by 2045. The Tata group has been ranked as the top Sustainability Leader in Asia Pacific and the only Asian company to appear among the top 15 corporates globally as per the GlobeScan Sustainability Leaders Survey, 2022.

India develops herd immunity; BF.7 variant may not be as serious as in China: CCMB chief

CSIR-CCMB

25th December, 2022

The severity of BF.7 variant of coronavirus in India may not be as serious as it is currently prevailing in China as Indian have already developed “herd immunity” a top official of CSIR-Centre for Cellular and Molecular Biology (CCMB) here said.

Vinay K Nandicoori, Director CCMB, stressing the need to follow Covid appropriate behaviour, said there is always a concern that all these variants have the ability to escape the immunity and can infect people who are vaccinated and even sometimes infected with the previous variants of Omicron.

“The severity of the infection is not as much as they used to be with Delta. That’s because of the fact that we do have herd immunity to an extent. Actually we have herd immunity because we are exposed to the other viruses,” he told PTI. Media reports indicate that India reported four cases of BF.7 variant of coronavirus.

“We (India) have seen the Delta wave which is a big one. Then we have got vaccination done. And then the Omicron wave came and we continued booster doses. We are different in many ways. What is happening in China may not happen in India because of that,” he further said.

India reported 201 new coronavirus infections, while the active cases increased to 3,397, the Union Health Ministry said on Saturday. The official said the “Zero Covid Policy” followed by China is one of the reasons for the outbreak of the infection in that country and opined that lower vaccination levels may also have contributed to the severity.

“It is actually that (the zero Covid policy that China is followed) and also the fact is in China, not many people really went for the vaccine as it has happened in India all the older population is vaccinated and sometimes even booster dose has been given to them or to the susceptible

sections,” he said. Maintaining that at this point it cannot be asserted that there may or may not be a wave in India, Nandicoori said as of now it does not seem to be that alarming that a wave is coming right away.

Currently there is enough capacity within India both for the Covid tests as well as therapy and vaccination. They are accessible to many people, he added.

IUST, CSIR IIIM organize plantation drive

CSIR-IIIM

24th December, 2022



A plantation drive of medicinal and aromatic plants was organized jointly by Department of Chemistry, Islamic University of Science and Technology (IUST), Awantipora and Field Station, Pulwama of CSIR - Indian Institute of Integrative Medicine, Jammu today at the “Medicinal and Aromatic Plants Park” Campus-II of the University under the theme “Skill and Entrepreneurship development through the cultivation of high value medicinal and aromatic plants”.

The plantation drive was inaugurated by Prof. Shakeel Ahmad Romshoo, Vice Chancellor, IUST, in presence of Prof. Manzoor Ahmad Malik, Dean Academic Affairs, Prof Naseer Iqbal, Registrar, Prof A.H. Moon, Dean Research, Prof Mohammad Akbar Khuroo, Dean School of Sciences, Finance Officer Mr Sameer Wazir, Dr Parvaiz Ahmad Mir, Director CIED, Dr Abid H. Shalla, HOD Chemistry, Dr Manzoor A. Rather faculty at Chemistry Deptt.

The drive was actively participated by more than 60 students from the Department of Chemistry, IUST along with other the faculty members. While speaking on the occasion, Prof. Romshoo informed that the plantation drive was being organized for promotion and leveraging of the huge potential of the medicinal and aromatic crops in development of

commercially viable value added products. He informed that the University envisages the utilization of more than 50 hectares of its land in Wastoorwan for production of different MAPs for further R&D and development of processing technologies.

He appreciated the support and handholding of CSIR IIIM for organizing the event along with Dept of Chemistry, IUST and the role of CSIR IIIM in the development of the sector.

Dr Shahid Rasool, Senior Scientist and Incharge CSIR IIIM Field Station Pulwama informed that in the present context of changing agrarian scenario in backdrop of growing population, globalization of the trade, diminishing natural resources and climate change, innovations in agricultural systems that include crop diversification through cultivation, processing and value addition of MAPs becomes imperative for enhanced profitability, sustainable livelihood generation and overall socio-economic prosperity.

Project coordinators of the “Medicinal and Aromatic Plants Park” Dr Aabid H Shalla, along with Dr Manzoor Ahmad Rather emphasized the role of medicinal and aromatic plants in sustainable skill and entrepreneurship development for the aspiring educated youth.

Farmers interact with experts on aromatic crop cultivation in Chamba district

CSIR-IHBT

23rd December, 2022

An interactive session with progressive farmers and entrepreneurs cultivating aromatic crops under the CSIR Aroma Mission was organised by the CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT) at Talla village, Sihunta, of Chamba district.

Farmers apprised the experts about the problems — monkey menace, hailstorm and the non-availability of farm inputs — being faced by them, resulting in crop loss.

To overcome such problems, the CSIR-IHBT, under the Aroma Mission Phase-II, provided the technology and quality planting material to the farmers to grow aromatic marigold.

Scented marigold is able to withstand biotic and abiotic stresses and is not affected by grazing and stray animals.

Research Council chairman Dr Trilochan Mohapatra and other members visited the essential oil extraction unit set up in the fields by the CSIR-IHBT under the Aroma Mission for the value addition of aromatic crops. They appreciated the progress made by the institute under the ongoing mission.

CSIR-IHBT director Dr Sanjay Kumar said the global essential oil demand was increasing day by day. “Its estimated world market demand of USD 8.8 billion during 2022 will be expected to reach USD 16.34 billion in 2027.”

Dr Kumar added that the institute supports the farmers by promoting the cultivation of aromatic crops and making efforts to double their income.

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CSIR-CFTRI

23rd December, 2022

Presentation Ceremony of Medals, awards, scholarships to M.Sc. Food Technology students held at CSIR-CFTRI

ಸಿಎಫ್‌ಟಿಆರ್‌ಐ ವಿಶ್ವಮಟ್ಟದಲ್ಲಿ ಪ್ರಜ್ವಲಿಸಲಿ; ಹಿರಿಯ ವಿಜ್ಞಾನಿ ಡಾ.ಪ್ರಕಾಶ್ ಆಶಯ

ಮೈಸೂರು, ಡಿ.23(ಜಿಎ)- ಮೈಸೂರಿನ ಸಿಎಫ್‌ಟಿಆರ್‌ಐನ ಆಹಾರ ತಂತ್ರಜ್ಞಾನ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದಲ್ಲಿ ಪ್ರಜ್ವಲಿಸಬೇಕು ಎಂದು ಸಿಎಫ್‌ಟಿಆರ್‌ಐ ನಿವೃತ್ತ ನಿರ್ದೇಶಕ ಹಾಗೂ ಹಿರಿಯ ವಿಜ್ಞಾನಿ ಡಾ.ವಿ.ಪ್ರಕಾಶ್ ಆಶಿಸಿದರು.

ನಗರದ ಕೇಂದ್ರೀಯ ಆಹಾರ ತಂತ್ರಜ್ಞಾನ ಸಂಶೋಧನಾಲಯದಲ್ಲಿ (ಸಿಎಫ್‌ಟಿಆರ್‌ಐ) ಶುಕ್ರವಾರ ಎಂ.ಎಸ್ಸಿ ಆಹಾರ ತಂತ್ರಜ್ಞಾನ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಪುರಸ್ಕಾರ ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿ ವೇತನ ವಿತರಣಾ ಸಮಾರಂಭವನ್ನು ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದ ಅವರು, ನಿನ್ನೆ ಕಾರ್ಯಕ್ರಮ ನಿಮಿತ್ತ ಹೈದರಾಬಾದ್‌ಗೆ ಹೋಗಿದ್ದೆ. ನನ್ನ ಮೆದುಳು ಮಾತ್ರ ಅಲ್ಲಿತ್ತು. ಆದರೆ ಯಾವಾಗ ಮೈಸೂರಿಗೆ ಹೋಗುತ್ತೇನೋ ಎಂದು ಮನಸ್ಸು ಹಂಬಲಿಸುತ್ತಿತ್ತು. ಇಲ್ಲಿಗೆ ಬಂದ ತಕ್ಷಣ ಮನಸ್ಸು ಉಲ್ಲಾಸಿತವಾಯಿತು ಎಂದರು.

ಮೈಸೂರಿನಲ್ಲಿ 1950ರ ಅ.21ರಂದು



ಸಿಎಫ್‌ಟಿಆರ್‌ಐ ಸ್ಥಾಪಿಸಲಾಯಿತು. ಕೌನ್ಸಿಲ್ ಆಫ್ ಸೈಂಟಿಫಿಕ್ ಅಂಡ್ ಇಂಡಸ್ಟ್ರಿಯಲ್ ರಿಸರ್ಚ್ ಅಡಿಯಲ್ಲಿ ಎ.ಆರ್. ಮೊದಲಿಯಾರ್ ಸಂಸ್ಥೆ ಸ್ಥಾಪನೆಗೆ ಮುಂದಾದ ಸಂದರ್ಭದಲ್ಲಿ ಚಿಲುವಾಂಬ ವಿಲಾಸ್ ಅರಮನೆ ಮತ್ತು ಅದರ ವಿಶಾಲ ಕ್ಯಾಂಪಸ್ ಅನ್ನು ಮಹಾರಾಜ ಜಯಚಾಮ

ರಾಜ ಒಡೆಯರ್ ಅವರು ದಾನ ಮಾಡಿದರು. ಹಾಗಾಗಿ ಮಹಾರಾಜರನ್ನು ಸದಾ ಸ್ಮರಿಸಿಕೊಳ್ಳಬೇಕು. ಆರಂಭದಿಂದ ಈವರೆಗೂ ಆಹಾರ ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ಸಿಎಫ್‌ಟಿಆರ್‌ಐ ಮುಂಚೂಣಿಯಲ್ಲಿದೆ. ಮತ್ತಷ್ಟು ಸಂಶೋಧನೆಯೊಂದಿಗೆ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮಟ್ಟಕ್ಕೂ ಸಂಸ್ಥೆಯ ಕೀರ್ತಿ ಹಾಗೂ ಕಾರ್ಯ

ವ್ಯಾಪ್ತಿ ವಿಸ್ತರಿಸಬೇಕು ಎಂದು ಆಶಿಸಿದರು.

ವಿದ್ಯಾರ್ಥಿಗಳು ಆಹಾರ ತಂತ್ರಜ್ಞಾನ ಬಗ್ಗೆ ಹೆಚ್ಚು ಅಧ್ಯಯನ ನಡೆಸಬೇಕು. ನಿಮ್ಮಿಷ್ಟದ ಆಯ್ಕೆಯಾದರೂ ಜ್ಞಾನ, ಪರಿಶ್ರಮ, ಕುಟುಂಬದ ಸಹಕಾರ ಹಾಗೂ ಆರ್ಥಿಕ ಬಲ ಅಗತ್ಯ. ಆನ್‌ಲೈನ್ ಶಿಕ್ಷಣ ತರಗತಿ ಭೌತಿಕ ಪಾಠ ಪ್ರವಚನಕ್ಕಿಂತ ಪರಿಣಾಮಕಾರಿ ಆಗದು. ಹಾಗಾಗಿ ಪದವೀಧರರಲ್ಲಿ ಶೇ.20ರಷ್ಟು ಮಂದಿ ಶಿಕ್ಷಕ ವೃತ್ತಿ ಆಯ್ಕೆ ಮಾಡಿಕೊಳ್ಳುವುದು ಅವಶ್ಯ. ಆ ಮೂಲಕ ನೀವು ಕಲಿತದ್ದನ್ನು ಮುಂದಿನ ಪೀಳಿಗೆಗೆ ತಲುಪಿಸಬಹುದು ಎಂದು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಕಿವಿಮಾತು ಹೇಳಿದರು.

ಇದೇ ವೇಳೆ 2020-22ನೇ ಸಾಲಿನ ಎಂ.ಎಸ್ಸಿ ಆಹಾರ ತಂತ್ರಜ್ಞಾನ ವಿಭಾಗದಲ್ಲಿ 5 ಚಿನ್ನದ ಪದಕ ಪಡೆದಿರುವ ಕೇರಳ ಮೂಲದ ಶ್ರೇಯಾ ಕಲ್ಯೆ ಸೇರಿದಂತೆ ತಲಾ ಒಂದು ಪದಕ ಪಡೆದ ಯಷ್ಟಿತಾ ಗ್ರೋವರ್, ಭಾಮ್ನಾ ಚುಗ್, ದಿಯಾ ಜ್ಯೋತಿಷ್,

ಸಿನ್ನಿ ಮಿಶ್ರಾ, ಆರ್.ಲಕ್ಷ್ಮೀ ವಿಜಯನ್ ಹಾಗೂ ದಿವ್ಯಾ ಅಗರ್ವಾಲ್ ಅವರಿಗೆ ಪದಕ ಪ್ರದಾನ ಮಾಡಿ, ಅಭಿನಂದಿಸಲಾಯಿತು.

ನಂತರ ಎಂ.ಎಸ್ಸಿ ಆಹಾರ ತಂತ್ರಜ್ಞಾನ ವಿದ್ಯಾರ್ಥಿಗಳಾದ ಕಾಜಲ್ ಸಾಹು, ಸಚಿನ್ ಅಲ್ಕೂರ್, ಜಿ.ಚೇತನ್, ರಿಯಾ ಸೈನಿ, ಕೃಷ್ಣಕುಮಾರ್ ಉಪಾಧ್ಯಾಯ, ವಲ್ಲಿಯಾ ಪರ್ಲ್ ಕುನ್ಯಾ, ಜಿ.ಭರತ್, ಎಸ್. ಎನ್.ವಾಸುದೇವ್, ಎಸ್.ವಿ.ಚಂದನ್, ಎ.ಆರ್. ಶಿವಕುಮಾರ್, ಎ.ಪ್ರದೀಪ್, ಸೋಮನ್ ರಾಹುಲ್ ಅಜಿತ್, ಎಂ.ಕಲಂದರ್, ಡಿ.ವೆಂಕಟಲಕ್ಷ್ಮೀ, ಶಾಲಿನಿ ಸಿನ್ಹಾ ಮತ್ತು ಕೆ.ರಾಮ್‌ಪ್ರಸಾದ್ ನಾಯ್ಕ ಅವರಿಗೆ ವಿದ್ಯಾರ್ಥಿ ವೇತನ ವಿತರಿಸಲಾಯಿತು.

ಸಿಎಫ್‌ಟಿಆರ್‌ಐ ನಿರ್ದೇಶಕಿ ಡಾ.ಶ್ರೀದೇವಿ ಅನ್ನಪೂರ್ಣ ಸಿಂಗ್ ಕಾರ್ಯಕ್ರಮದ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಎಚ್‌ಆರ್‌ಡಿ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಪಿ.ಎಸ್.ನೇಗಿ, ಸಂಯೋಜಕ ಡಾ.ಗಿರಿಧರ್ ಪರ್ವತಂ ಮತ್ತಿತರರು ಉಪಸ್ಥಿತರಿದ್ದರು.

Pune Kickstarts Maharashtra's Design For Hydrogen Valley

CSIR-NCL

21st December, 2022

Green hydrogen is considered an important energy source to be adopted globally for the effective mitigation of climate change. Understanding the need to promote hydrogen economies, large-scale hydrogen flagship projects (Hydrogen Valleys – H₂Vs) have been set up in 20 countries across the globe. A Hydrogen Valley is a defined geographical area where hydrogen serves more than one end sector or application in mobility, industry, and energy. This typically covers all the necessary steps in the hydrogen value chain, from production to subsequent storage and its transport & distribution to various off-takers.



Under the Clean Hydrogen Mission of “Mission Innovation”. India has committed to facilitating the creation of three Hydrogen Valleys by 2030. Department of Science and Technology, GoI, (DST) has announced a National Call for Proposals for the development of Hydrogen Valley Platforms in India. The extended deadline for submission of the proposals is 31st March 2023. DST has also initiated the process of consultations with various stakeholders in the hydrogen space which include R&D organizations and industries working in the areas of hydrogens production, transport, and utilization in India.

Pune Knowledge Cluster (PKC) and the Office of the Principal Scientific Adviser, GoI in collaboration with the Department of Science of Technology, GoI, CSIR-National Chemical Laboratory (CSIR-NCL) and Mahatma Phule Renewable Energy & Infrastructure Technology Limited (MAHAPREIT) organized a Stakeholders Meeting on “Vision Setting for Hydrogen Valley in the State of Maharashtra” on Thursday, 15th December 2022. The

meeting was held in CSIR-NCL and chaired by Dr Raghunath Mashelkar. It was attended by dignitaries including Dr Ranjith Krishna Pai, Scientist/Director, DST, MoS&T, Shri. Ranjeetsingh Naik-Nimbalkar, Member of Lok Sabha, Dr Preeti Banzal, Scientist G, O/o PSA, GoI, Bipin Shrimali, IAS, Chairman & Managing Director, MAHAPREIT, Rashmi Urdhwareshe, Senior Advisor, PKC and Prof. Ajit Kembhavi, Principal Investigator, PKC.

Several industries and R&D institutions working in the Green Hydrogen space participated in the meeting. These included Automotive Research Association of India, CSIR-National Chemical Laboratory, Pune, IIT-Bombay, KPIT Technologies Ltd., Kirloskar Pneumatic Co.Ltd., Thermax Ltd., Ador Powertron Ltd. H2E Power Systems Pvt. Ltd., Cummins India, Praj Industries Ltd., ENPRO Industries Pvt. Ltd. etc. Representatives from key offtake sectors shared their views on the potential for Green Hydrogen utilization.

Dr Ranjith Krishna Pai made a brief presentation on the Hydrogen Valley Platform and shared information about government schemes, policies, and financial mechanisms for enabling the creation of world-class Hydrogen Valleys in India. The objectives of the proposed Hydrogen Valleys are to combine a complete hydrogen value chain (production, storage, and transportation) to reach a critical scale and unlock learning curve effects.

Dr Pai further elaborated that the Hydrogen Valley projects will be set up in three phases. The first phase (2023-2027) of the project will develop, deploy, and demonstrate small-scale hydrogen valleys, which produce more than 500 tonnes of Green Hydrogen annually. The second phase (2028-2033) will involve upscaling of the Hydrogen Valleys with a production of more than 5000 tonnes of renewable Hydrogen per year. The third phase (2034-2050) of the project will involve low-carbon hydrogen technologies being adopted in hard-to-decarbonise sectors, such as cement and steel. Dr Ashish Lele, Director, CSIR-NCL highlighted that collaboration between R&D and industry is important to create sustainable Hydrogen Valleys, which must aim to showcase hydrogen technologies, assess techno-commercial viability, enable customer experience and spur indigenization and manufacturing in the SME sector.

Discussions during the stakeholder meeting lead to the opinion that Pune is strategically positioned to become a Hydrogen hub in the country. There are Green Hydrogen offtake possibilities in Pune and neighbourhood regions, in industry sectors such as Mobility, Fine Chemicals, Steel, and Fertilizers as well as in other sectors such as Data Centers, Cold Storage, Gated Communities, etc. Hydrogen generation possibilities from sugar industries were also highlighted. Presentations from stakeholders demonstrated that state-of-the-art technological competence exists in electrolyzers, fuel cells, biomass-based hydrogen, power electronics, testing & calibration, and R&D to successfully develop a Hydrogen Valley in the region. Based on these discussions DST is going to identify and create a ground-level report based on which a set of new guidelines would be created for all the Hydrogen valleys.

“This meeting is proof of our strong willingness to come together to build a green future. As evidenced by the presentation made in this meeting, strong distributed competencies exist and all of these can be brought together to make a cohesive integrated system for the development of Hydrogen Valleys in the country and also to make policies based on real-world data that support these systems” concluded Dr Mashelkar.

DST is seeking participation from industries and R&D organizations which can come together to create Hydrogen Valley Platforms in India. Pune Knowledge Cluster will enable the creation of a Hydrogen Valley in Maharashtra.

CSIR-CIMFR

21st December, 2022

सिंफर और ऑस्ट्रेलिया करेंगे विस्फोटक निर्माण एवं परीक्षण में सहयोग

■ ऑस्ट्रेलियन एक्सप्लोसिव एक्सपर्ट ने किया संस्थान का दौरा

आवाज प्रतिनिधि। 21 दिसंबर

धनबाद : केन्द्रीय खनन एवं ईंधन अनुसंधान केंद्र (सिंफर) शीघ्र ही ऑस्ट्रेलिया के कोयला खदानों उपयोग के लिए भारत में निर्मित विस्फोटकों का अपने यहां परीक्षण करेगा। इस बावत ऑस्ट्रेलियन एक्सप्लोसिव एक्सपर्ट का दो सदस्यों के दल ने शोध सहयोग स्थापित करने के लिए सिंफर का दौरा किया।

सिंफर के अनुसार ऑस्ट्रेलियन



एक्सप्लोसिव एक्सपर्ट डॉ. रोब नोवेल और डॉ डंकन चालमर्स ने 12-13 दिसंबर को धनबाद में रह कर प्रयोगशाला का दौरा किया और विस्फोट निर्माण एवं परीक्षण के लिए सिंफर के साथ एक शोध सहयोग स्थापित हेतु वार्ता की। सिंफर के वैज्ञानिक

विस्फोटकों का निर्माण एवं परीक्षण ऑस्ट्रेलियाई खदान में प्रयुक्त ब्लास्ट डिजाइन पैरामीटर, खदान के वातावरण और मानक को ध्यान में रखते हुए करेंगे।

इस संबंध में डॉ. आरआर सिंह, मुख्य वैज्ञानिक, डॉ. सी

सॉमलियाना, मुख्य वैज्ञानिक एवं अनुभाग प्रमुख और डॉ. एमपी रॉय, वरिष्ठ प्रधान वैज्ञानिक नई सीएसआईआर-सीआईएमएफआर के विस्फोटक प्रयोगशाला की मौजूदा परीक्षण सुविधाएं और क्षमताओं के बारे में ऑस्ट्रेलियाई टीम को विस्तार से अवगत कराया। वहीं प्रयोगशाला के दौरा के बाद ऑस्ट्रेलियन एक्सप्लोसिव एक्सपर्ट डॉ. रोब नोवेल ने कहा कि भारत में परीक्षण प्रक्रिया ऑस्ट्रेलियाई परीक्षण आवश्यकता से आगे बढ़ गई है और हमें खुशी है कि आगामी फरवरी 2023 के अंत तक परीक्षण शुरू करना चाहेंगे।

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