



# CSIR IN Media

A Daily News Bulletin

28<sup>th</sup> June, 2016, Page: 1

## Govt allows CIMFR for sampling coal at unloading end

### CSIR-CIMFR

With quality determination of fossil fuel posing as a challenge, the Centre has decided to allow Central Institute of Mining and Fuel Research (CIMFR) to carry out sampling and analysis at unloading end.

The government had earlier termed the quality of coal as "an area of concern".

"Ministry of Power... Has recommended that Third Party Sampling at unloading end also may be carried out by CIMFR only... It has been further decided to permit CIMFR, for undertaking of sampling and analysis of coal at unloading/receipt end by the thermal power plants," an official said.

Recently, Coal Ministry has nominated CSIR-CIMFR to take up the job of coal quality monitoring at national level for the entire power sector to ascertain the coal quality.

A tripartite MoU will be signed among CSIR-CIMFR, NTPC and Coal India tomorrow in the presence of Union Minister for Science and Technology & Earth Science Harsh Vardhan and Coal and Power Minister Piyush Goyal, another official said.

The government had already brought in a new regime for sampling and testing of the dry fuel from January 1 to ensure supplying quality coal to consumers.

Coal India (CIL), which accounts for about 80 per cent of the domestic dry fuel production, supplies a chunk of the coal it produces to power utilities.

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[http://www.business-standard.com/article/pti-stories/govt-allows-cimfr-for-sampling-coal-at-unloading-end-116062700934\\_1.html](http://www.business-standard.com/article/pti-stories/govt-allows-cimfr-for-sampling-coal-at-unloading-end-116062700934_1.html)

Press Trust of India | New Delhi | June 27, 2016

## **IRCTC ties up with DRDO lab for packaged meals in trains**

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### **CSIR-CFTRI**

To provide safe and hygienic food to train passengers, Indian Railway Catering and Tourism Corporation (IRCTC) signed an agreement with the government-owned Defence Food Research Laboratory (DFRL) for transfer of technology in the field of food and beverage processing and packaging that would upgrade its catering operations.

Under the agreement, DFRL, a Defence Ministry establishment working under Defence Research and Development Organisation (DRDO), will transfer the technical knowhow and testing for quality assurance to IRCTC's ready-to-eat packaged food for passengers.

The trial for preparation of Ready to Eat (RTE) food with the assistance of DFRL technology has commenced and the rollout of 36,000 RTE packs of Vegetable Biryani, Rajma-Chawal, Jeera Rice, Tamrind Rice, Lemon Rice, Wheat Upma, Dal Rice and Chicken Biryani is planned in the first week of July.

“Apart from conducting some sample surveys and feedback on IRCTC managed trains, the launch for commercial sale is also on the anvil. The launch of ready-to-eat items will offer variety and hygienic food which will eventually reduce complaints from the travelling passengers,” said A K Manocha, CMD, IRCTC.

Food items will be available in 150-300 gm packets whose shelf life is six months. The meals will be on offer on a discounted price of the MRP in the initial phase, to test the response of the passengers.

Besides the launch of RTE food, IRCTC is in talks with Mysuru-based Central Food Technological Research Institute (CFTRI) for its assistance in food processing, packaging technology, training, menu planning and quality control.

DRDO are the pioneers in India of the unique technology of food processing in ‘retort’ amenable special kind of flexible polymeric films to achieve commercial sterility. These products can be eaten straight out of the packs or can be warmed up by dipping the pack in hot water or keeping in hot air oven before being consumed.

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<http://www.newindianexpress.com/nation/IRCTC-ties-up-with-DRDO-lab-for-packaged-meals-in-trains/2016/06/27/article3502763.ece>

Express News Service | Jun 27, 2016

## **IRCTC signs pact with Defence Food Research Lab ? ?**

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### **CSIR-CFTRI**

Seeking to upgrade its catering operations, Indian Railway Catering and Tourism Corporation (IRCTC) today signed an agreement with the Defence Food Research Laboratory (DFRL) here for transfer of technology in food and beverage processing and packaging.

Under the agreement, DFRL, a Defence Ministry establishment under Defence Research and Development Organisation (DRDO), will transfer the technical knowhow and testing for quality assurance to IRCTC's ready-to-eat packaged food for the rail travellers.

The Licensing Agreement for Transfer of Technology (ToT) was initialled by IRCTC Chairman and Managing Director (CMD) A K Manocha and DFRL Director Rakesh Kumar Sharma, an IRCTC release said.

"IRCTC has been taking several new initiatives to upgrade, professionalise and standardize its catering services on Indian Railways. The MoU will go a long way in providing quality and hygienic ready-to-eat packaged food to train travellers," Manocha said.

DRDO is the pioneer in the country in the unique technology of food processing in 'Retort' amenable special kind of flexible polymeric films to achieve commercial sterility.

These products can be eaten straight out of the packs or can be warmed up by dipping the pack in hot water or keeping in hot air oven before being consumed. Such foods have better acceptability as compared to their canned counterparts.

"Human interface and thus possible contamination is minimised by using such technology," the release said.

The trial for preparation of Ready to Eat (RTE) food with the assistance of DFRL technology has commenced and the rollout of 36,000 RTE packs of Vegetable Biryani, Rajma-Chawal, Jeera Rice, Tamrind Rice, Lemon Rice, Wheat Upma, Dal Rice and Chicken Biryani is planned in the first week of July, it said.

Besides the launch of RTE food, IRCTC is in talks with Mysuru-based Central Food Technological Research Institute (CFTRI) for its assistance in food processing, packaging technology, training, menu planning and quality control, it said.

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[http://www.ptinews.com/news/7597459\\_IRCTC-signs-pact-with-Defence-Food-Research-Lab----.html](http://www.ptinews.com/news/7597459_IRCTC-signs-pact-with-Defence-Food-Research-Lab----.html)

PTI | Jun 27, 2016

## **CSIRs CRRI validates usage of Ghazipur Municipal Waste to NHAI for earth-filling in construction of highways**

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### **CSIR-CRRI**

NHAI had entrusted the assignment of technically verifying whether Solid Waste Material generated from Municipal/City waste can be utilized for highway construction to CSIR-Central Road Research Institute (CRRI). The CSIR-CRRI conducted a study by collecting 70 tonnes of Municipal Solid Waste from different locations of 5/10/15 years old from Ghazipur land fill site of Municipal Corporation of Delhi and have recommended the following :

The municipal solid waste contains about 65 to 70 % of Soil components which can be used in embankment construction after segregation from the municipal solid waste. The methodology suggested for use is by drying the collected municipal solid waste and passing through different sieves. The percentage passing from the 16 mm sieve contains 44 to 48 % of municipal solid waste which can be directly used in embankment construction. For utilizing the municipal solid waste passing through 32 mm sieve, the segregation of plastic material and PVC etc., will have to be blown by using high capacity blowers at the segregation plant.

Director CRRI presented the report and findings to Chairman NHAI in presence of senior NHAI officers and various stake holders.

The Municipal Corporation of Delhi (East) had earlier approached NHAI to make use of waste at Ghazipur Landfill site, whereupon Chairman NHAI had commissioned analytical study through CRRI. NHAI plans utilization of this Solid Waste Material for its highway construction program on NH-24, i.e. Meerut Expressway. To allay the doubts of Concessionaires and to encourage them to utilize this waste, NHAI has offered to indemnify the Concessionaires for the stretches where this waste material shall be tried. Also, NHAI will write to MoEF to allow usage of solid waste material in lieu of fly-ash wherever feasible. This initiative of NHAI shall promote the construction of Green Highways in the country as it amounts to substantial replacement of natural earth, mining of which causes environmental problems.

NHAI is already utilizing fly-ash upto 30% of earth filling in the Eastern Peripheral Expressway and using other slag materials elsewhere. This will be in keeping with Prime Ministers directions for use of waste in a productive way.

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[http://www.business-standard.com/article/government-press-release/csirs-crri-validates-usage-of-ghazipur-municipal-waste-to-nhai-for-116062700827\\_1.html](http://www.business-standard.com/article/government-press-release/csirs-crri-validates-usage-of-ghazipur-municipal-waste-to-nhai-for-116062700827_1.html)

Delhi | June 27, 2016

## **CSIR-CRRI validates usage of municipal waste for highway construction**

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### **CSIR-CRRI**

The Council of Scientific and Industrial Research's (CSIR) Central Road Research Institute (CRRI) has validated usage of municipal waste from the Ghazipur landfill here for earth filling during highway construction.

An official press release said that the National Highways Authority of India (NHAI) had entrusted the assignment of technically verifying whether solid waste material generated from municipal/city waste could be utilized for highway construction to CSIR-CRRI.

Subsequently, the study was conducted by collecting 70 tonnes of municipal solid waste from different locations from Ghazipur landfill site of Municipal Corporation of Delhi.

The municipal solid waste was found to contain about 65 to 70 % of soil components which could be used in embankment construction after segregation.

The Director of CRRI presented the report and findings to the Chairman of NHAI in the presence of senior NHAI officers and various stakeholders.

The Municipal Corporation of Delhi (East) had earlier approached NHAI to make use of waste at Ghazipur landfill site, whereupon NHAI had commissioned analytical study through CRRI.

NHAI plans utilization of this solid waste material for its highway construction program on NH-24, Meerut Expressway.

To allay the doubts of concessionaires and to encourage them to utilize this waste, NHAI has offered to indemnify the concessionaires for the stretches where this waste material would be used.

NHAI would also write to the Ministry of Environment, Forests and Climate Change to allow usage of solid waste material in lieu of fly-ash wherever feasible. This initiative would promote the construction of "green highways" in the country as it amounts to substantial replacement of natural earth, mining of which causes environmental problems.

NHAI is already utilizing fly-ash upto 30% of earth filling in the Eastern Peripheral Expressway and using other slag materials elsewhere.

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<http://netindian.in/news/2016/06/28/00038550/csir-crri-validates-usage-municipal-waste-highway-construction>

Net Indian News Network | New Delhi | June 27, 2016

## CSIR-IIIM Scientists awarded “SCIENTIST OF THE YEAR” award

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### CSIR-IIIM

Team of scientists and concerned staff members of CSIR-Indian Institute of Integrative Medicine, Jammu has been awarded Scientist of the Year Award by Essential Oil Association of India, Delhi for the extension activities of aromatic crops during Asian Aroma Ingredient Congress Aroma Bearing Sector at Hotel Leela Ambience, Delhi, official spokesperson said in a statement.

He said that the award was given for diversification of high value aroma bearing Lavender cultivation from Kashmir to Bhandarwah region of District Doda of Jammu & Kashmir state with the maintaining of quality and yield of essential oil.

Secondary CSIR-IIIM has also extended cultivation of Geraniol rich variety RRL-CN-5 successfully in Kutch area of Gujarat under salt affected soil. The essential oil industries highly demanded by essential oil industries for flavour fragrance & pharmaceutical purposes, spokesperson said.

He said that the award was given to the dynamic leadership of Dr. Ram Vishwakarma, Director, CSIR-IIIM Jammu with the team leader Dr. Suresh Chandra and team members Dr. Narendra Kumar, S.R. Meena, Dr. Parvaiz Qazi, Mrs. Kushal Bindu, Dr. M.K. Verma, Dr. Phalisteen Sultan, Rajendra Gochar, Chandra Pal Singh, Dr. Shahid Rasool, Brijendra Koli, Pratipal Singh, Vijay Kumar and Dr. A.K. Shahi (Ex-Scientist).

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<http://www.scoopnews.in/det.aspx?q=58276>

Scoop News | New Delhi | 27 June 2016

## CSIR launches Ayurvedic anti-diabetes drug in state

**CSIR-NBRI**  
**CSIR-CIMAP**

*Ayurvedic anti-diabetic drug BGR-34, was formally launched in the city on Monday. The drug is jointly developed by National Botanical Research Institute (NBRI) and Central Institute for Medicinal and Aromatic Plants (CIMAP), the research units of Council for Scientific and Industrial Research (CSIR).*

CSIR transferred the rights and technical knowhow to produce and market BGR-34 to AIMIL Pharmaceuticals.

Speaking at the launch, Dr A K S Rawat, senior principal scientist of CSIR-NBRI said, “CSIR’s premier research institutions have developed and established the efficacy of BGR-34, which works by controlling blood sugar and limiting harmful effects of other drugs.” Dr Daya Nandan Mani, senior scientist of CSIR-NBRI said, “Pre-clinical studies of this antidiabetic formulation revealed significant reduction in high blood sugar level in diabetes induced experimental subjects, with the activity being comparable with the reference standard anti-diabetic allopathic drug.”

AIMIL Pharmaceuticals will manufacture the drug at its two manufacturing units. “CSIR launched the drug in October last year, and we are formally launching it in the Karnataka market. We have already achieved sales of Rs 1 crore with the drug in the state. We are targeting Rs 100 crore from across the country by the end of this financial year,” said Dr Anil Kumar Sharma, vice president (Technical), AIMIL Pharmaceuticals.

<http://www.deccanherald.com/content/554731/csir-launches-ayurvedic-anti-diabetes.html>

DHNS | Bengaluru | Jun 28, 2016

## Affordable Ayurvedic Drug To Fight Diabetes Launched; Priced At Rs. 5

**CSIR-NBRI**  
**CSIR-CIMAP**

Council for Scientific and Industrial Research (CSIR) on Monday launched BGR-34 - an anti-diabetic ayurvedic drug designed for type 2 Diabetes mellitus.

BGR-34 is developed jointly by National Botanical Research Institute (NBRI) and Central Institute for Medicinal and Aromatic Plants (CIMAP), the research units of CSIR at Lucknow.

BGR-34 has been economically priced at Rs. 5 per tablet as compared to latest DPP4 inhibitors globally, a joint release by NBRI and CIMAP and the manufacturer AIMIL Pharmaceuticals (India) Ltd, said.

A K S Rawat, Sr Principal Scientist of CSIR-NBRI said six crore of the adult Indian population had been found to be diabetic and there is no effective solution for diabetes as yet.

"We are sure that eminent medical professionals will recommend it to their patients suffering from type 2 Diabetes mellitus for quicker and consistent response," he said.

He said CSIR's premier research institutions have developed and established the efficacy of BGR-34.



The modern diabetes drugs are known for side-effects and toxicity while BGR-34 works by controlling blood sugar and limiting the harmful effects of other drugs, he added.

The scientists of NBRI and CIMAP joined hands in developing the drug and they had in-depth study of over 500 renowned ancient herbs and finally identified the six best herbs listed in Ayurvedic ancient texts to develop an anti-diabetic formulation.

Daya Nandan Mani, Senior Scientist of CSIR-NBRI, said Pre-clinical studies of this anti-diabetic formulation revealed significant reduction in high blood sugar level in diabetes induced experimental subjects.

Anil Kumar Sharma, Vice President (Technical) of AIMIL Pharmaceuticals (India) Ltd, said, one of the critical ingredients inhibits DPP-4 and enhances insulin secretion.

The product passed several battery of tests and showed hypoglycaemic activity in experimental subjects, he said.

For the purpose of commercial production and extended distribution, Aimil Pharmaceuticals (India) Ltd has been transferred the rights and technical know-how to produce and market it for medical use, the release said.

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<http://www.ndtv.com/lucknow-news/for-type-2-diabetes-an-ayurvedic-anti-diabetic-drug-launched-1424163>

Lucknow | Press Trust of India | Jun 28, 2016

## **BGR-34, new ayurvedic anti-diabetic drug launched by CSIR**

**CSIR-NBRI  
CSIR-CIMAP**

The Council for Scientific and Industrial Research (CSIR) on Monday launched its ayurvedic anti-diabetic drug BGR-34. Aimed at managing type 2 diabetes, BGR-34 has been jointly developed by National Botanical Research Institute (NBRI) and Central Institute for Medicinal and Aromatic Plants (CIMAP), both located in Lucknow. 'The modern diabetes drugs are known for side-effects and toxicity while BGR-34 works by controlling blood sugar and limiting the harmful effects of other drugs,' said NBRI's Senior Principal Scientist A.K.S. Rawat. (Read: Diabetes increases risk of dying from heart attack by 50 per cent)

NBRI and CIMAP scientists studied nearly 500 ancient herbs listed in ayurvedic texts to zero in on daruharidra (*Berberis aristata*), giloy (*Tinospora cordifolia*), vijaysar (*Pterocarpus marsupium*), gudmar (*Gymnema sylvestre*), majeeth (*Rubia cordifolia*) and methika (*Trigonella foenum-graecum*) to make the anti-diabetic formulation. Ayurvedic pharma company AIMIL Pharmaceuticals will commercially produce and distribute BGR-34, which has been priced at Rs 5 and will be available widely across Karnataka and neighbouring states. 'BGR-34 is a unique product that manages the lives of human suffering diabetics. The product passed several battery of tests and showed hypoglycaemic activity in experimental subjects,' said AIMIL Pharmaceuticals vice president Anil Kumar Sharma.



<http://www.thehealthsite.com/news/bgr-34-new-ayurvedic-anti-diabetic-drug-launched-by-csir-ag0616/>

FPJ Bureau | Jun 21, 2016

## Soon, bio informatics institute in Jaipur

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### **CSIR-CEERI**

Rajasthan is going to set up a state-of-the-art bio informatics institute in Jaipur in collaboration with Central Electronics and Engineering Institute (CEERI), Pilani. The center would initially offer post graduate courses before expanding its field into research. The project -- which would come up in Jaipur -- would give admission to 100 students annually following an all India entrance test.

Ravi Shanker Srivastav, till recently principal secretary in the department of science and technology, who gave shape to the project, said a memorandum of understanding (MoU) in this connection will be signed with the CEERI and the government of Rajasthan shortly.

As per the understanding, out of the total estimated cost of Rs 74 crore for the project for which the finance department has given its approval, Rs 24 crore will be spent on building and other infrastructure would be taken care of by the CEERI. CEERI has agreed to provide a 13,000 square feet building to house the institute in Jaipur.

The Central Science and Technology Department would provide funds for establishing a state-of-the-art laboratory and equipment while multilateral funding agencies have been roped in for the rest of the funding needs. The state government would provide Rs 2 crore per annum to the institute to meet its administrative expenditure till it becomes self-reliant.

The institute will have mainly three areas of study Viz bio incubation, academics mainly in the area of genomic and health informatics

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<http://timesofindia.indiatimes.com/city/jaipur/Soon-bio-informatics-institute-in-Jaipur/articleshow/52932449.cms>

PJ Joychen | TNN | Jun 27, 2016