

CSIR IN MEDIA



CSIR

NEWS BULLETIN 06 TO 10 MAY 2021

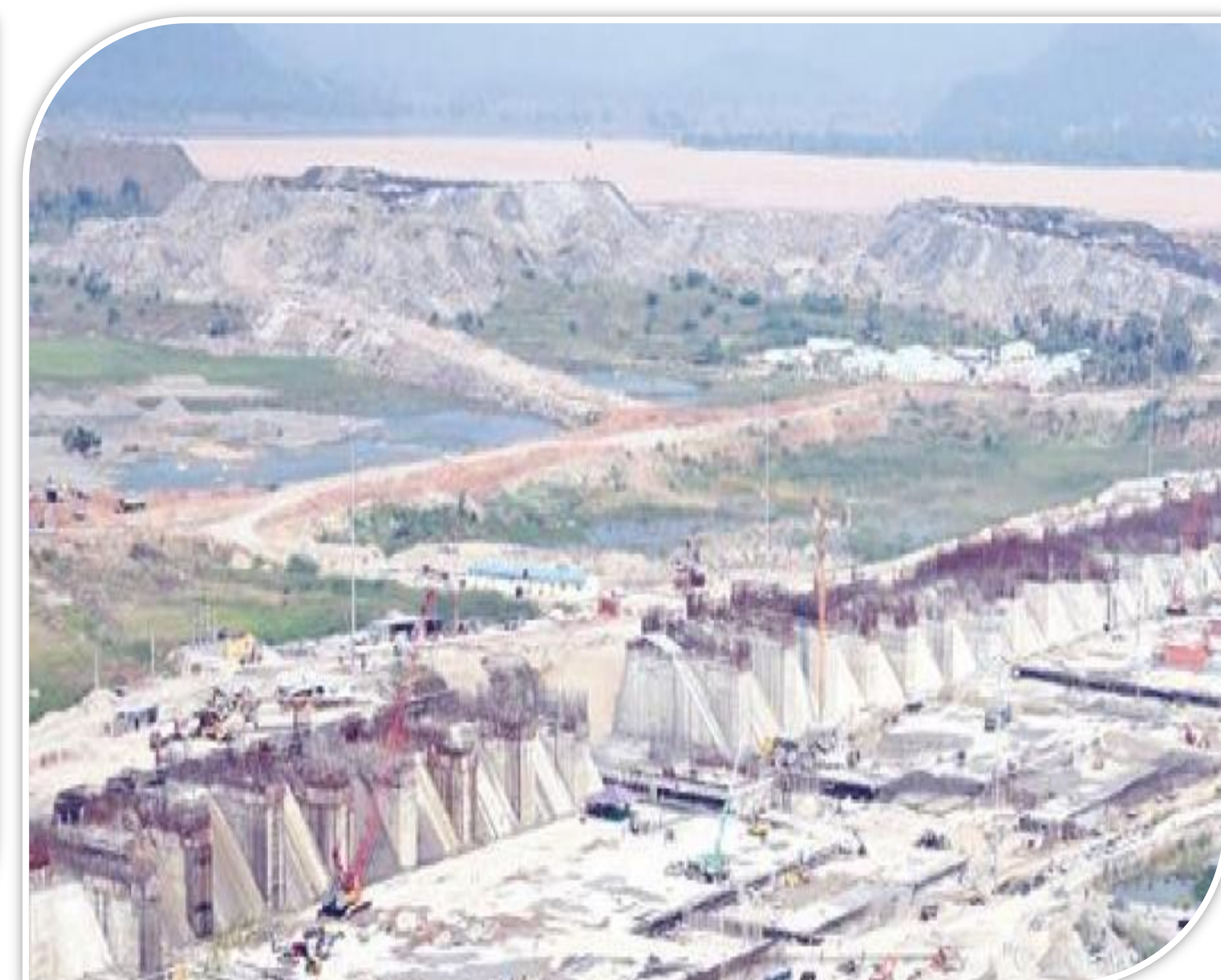
National Technology Day
CSIR-National Environmental Engineering Research Institute
Noida, May 11, 2021

Webinar on Sustainable Technologies for Environment Management
(11 May 2021, 12.30 PM to 01.30 PM)

The webinar aims to highlight sustainable technologies which are playing significant role in betterment of the environment, economic growth and providing an alternative socio-economic model that will enable present and future generations to live in a clean and healthy environment, in harmony with nature.

TIME	TOPIC	SPEAKER
12.30-12.35 PM	Opening remarks	 Dr. S. Chandrasekhar Director, CSIR-NEERI
12.35-12.40 PM	Introduction of the Guest Speakers	 Dr. Sachana Rayalu Senior Most Scientist, CSIR-NEERI
12.40-12.55 PM	Eco-technology for sustainable environment management	 Prof. Anubha Kaushik Head, Research & Projects, and Guru Gobind Singh (IGGS), Indraprastha University, New Delhi
12.55-01.10 PM	Recycling of plastic waste to plastic composite products for Green India, Green India and Make in India Mission	 Dr. Shantana Bhosmik Head, Research & Projects, and Professor, Dept. of Aerospace Engineering, Anna Vishwa Vidyapeetham, Chennai
01.10-01.25 PM	TERI Coastal Education Hub: Technology interventions towards estuarine wetland conservation	 Dr. Freddy D Souza Area Coordinator, The Coastal Ecology & Marine Resources Centre, The Energy and Resources Institute (TERI), Goa

WATCH LIVE ON:
YouTube: <https://www.youtube.com/watch?v=hgV98oyGIE>
Nagpur Today: www.nagpurtoday.com



CSIR-NEERI to hold webinar on 'Sustainable Technologies for Environment Management'

CSIR-NEERI

10th May, 2021

Nagpur: CSIR-National Environmental Engineering Research Institute (CSIR-NEERI) will organize a webinar on 'Sustainable Technologies for Environment Management' on 11th May 2021 at 12.30 PM as part of the National Technology Day Celebration. This webinar aims to highlight sustainable technologies which are playing significant role in betterment of the environment, economic growth and providing an alternative socio-economic model that will enable present and future generations to live in a clean and healthy environment, in harmony with nature.



TIME	TITLE	SPEAKER
12.30-12.35 PM	Opening remarks	Dr. S. Chandrasekhar Director, CSIR-NEERI
12.35-12.40 PM	Introduction of the Guest Speakers	Dr. Sadhana Rayalu Senior Most Scientist, CSIR-NEERI
12.40-12.55 PM	Eco-technology for sustainable environment management	Prof. Anubha Kaushik Director, International Affairs, Guru Gobind Singh (GGS) Indraprastha University, New Delhi
12.55-01.10 PM	Recycling of plastic waste to plastic composite products for Green India, Green India and Make in India Mission	Dr. Shantanu Bhowmik Head, Research & Projects, and Professor, Dept. of Aerospace Engineering, Amrita Vishwa Vidyapeetham, Coimbatore
01.10-01.25 PM	TERI Coastal Education Hub: Technology interventions towards estuarine wetland conservation	Dr. Fraddy D Souza Area Convener, The Coastal Ecology & Marine Resources Centre, The Energy and Resources Institute (TERI), Goa

WATCH LIVE ON:
<https://www.facebook.com/csir.neeri>
<https://www.youtube.com/watch?v=hgV88toYGfE>

Nagpur Today
www.nagpurtoday.in

Prof. Anubha Kaushik, Director, International Affairs, Guru Gobind Singh (GGS) Indraprastha University, New Delhi; Dr. Shantanu Bhowmik, Head, Research & Projects and Professor, Department of Aerospace Engineering, Amrita Vishwa Vidyapeetham, Coimbatore; and Dr Fraddy D Souza, Area Convener, The Coastal Ecology & Marine Resources Centre, The Energy and Resources Institute (TERI), Goa will join this webinar as Guest Speakers.

Dr. S. Chandrasekhar, Director, CSIR-NEERI and Dr. Sadhana Rayalu, Senior Most Scientist, CSIR-NEERI will also be present on this occasion. This webinar will be broadcast live on the face book and YouTube pages of CSIR-NEERI.

Published in:

Nagpurtoday

National Technology Day Online Talk

CSIR-CFTRI

10th May, 2021

Marking National Technology Day, CSIR-CFTRI (Central Food Technological Research Institute) has organised an online lecture programme by former CFTRI Director Dr. V. Prakash on the topic 'Food Science for Food Technology' tomorrow (May 11) at 11 am. CSIR-CFTRI Director Dr. Sridevi A. Singh will preside. Logon to <https://youtu.be/ZqsVrVmWxYA> to participate in the programme.

University holds video conference

CSIR-CSIO

10th May, 2021

Desh Bhagat University IEDC Patent, being the nodal centre for the Punjab State Council for Science and Technology (PSCST), in collaboration with the PHDCCI (Amritsar), MSME (Ludhiana), PSCST (Chandigarh), and the CSIR-CSIO (Chandigarh), organised a video conference on the themes such as “IP & SMEs: Taking your Ideas to Market - How to Protect and Commercialise you’re Ideas”, “Accelerating Entrepreneurship with Intellectual Property (IP)” and “Management of Academic Intellectual Property” to celebrate IPR week.

Dr Sandeep Singhai, Principal Scientist & IPR Coordinator, CSIR-CSIO (Chandigarh), was the resource person along with Divya Kaushik, Scientist, Patent Information Centre and Technology Innovation Support Centre, PSCST; Kundan Lal, Assistant Director, MSME Development Institute (Ludhiana), and others.

Published in:

[Tribuneindia](https://tribuneindia.com)

Vaccine crisis will end, Russia's production of Sputnik-V will be in the country itself from July

CSIR-CCMB

10th May, 2021

Amidst the horrific second wave of Corona, people want to get vaccinated as soon as possible. However, vaccine production is low. Two vaccines manufactured in the country are still being planted, while efforts are being made to include imported Sputnik V vaccines in the program soon. The Central Government has launched Mission Covid Security for vaccination, which is being handled by Dr. Renu Swaroop, Secretary, Department of Biotechnology. In an e-mail interview with Bureau Chief of Hindustan Madan Jada, he shared many information about increasing the availability of vaccines and new vaccines.

Why are not more companies being given a chance to increase vaccine production?

Potential vaccine manufacturers from the private and public sector have been identified to increase production of covaxine. Negotiations are now underway to transfer the technology of Bharat Biotech to these manufacturers. Technology will be given to qualified manufacturers soon.

Sputnik V vaccine has been approved. Import has started, but when will it start production in the country?

The vaccine has started reaching the country. A consignment has arrived. Soon it will also be introduced to be included in the vaccination program. By the end of this month, 3 million more Sputnik vaccine supplements will arrive in India. Apart from this, negotiations are going on with five other companies apart from Reddy Laboratory to start production of this vaccine in the country. These include Hetero bioforma, Virchow biotech, Stellis bioforma, Gland biopharma and Panacea biotech. Our effort is that from July, the country-wide Sputnik V vaccine will be started.

What about other vaccines?

Three vaccines have been approved for emergencies. Five vaccines are in different stages of clinical trials. Of these, Zydus Cadila's DNA vaccine and Biological E's recombinant vaccine are undergoing Phase III trials. The mRNA vaccine of Genova Biopharmaceuticals and Bharat Biotech's nasal vaccine are in the first phase of clinical trials. In addition, the Serum Institute of India has started Phase III Breezing Clinical Trials of Recombinant Nanoparticle Vaccine developed by Novavax. It is expected that these vaccines will also be available soon.

Are there any plans to upgrade Kovishield and Kovaxin in view of the new variant of Corona?

New variant activations that have been found are being genome sequencing regularly. This work is being done by DBT-ILS, DBT-RCB, CSIR-CCMB laboratories under the Indian SARS Cove-2 Genomic Consortium. Studies have also been conducted on the effect of the vaccine on the new variant, and preliminary results suggest that both vaccines are effective against the new variant. Detailed studies are still going on in this direction, which will give an idea of their efficacy against the new variant.

The WTO is likely to remove patents from Corona vaccines, but it is unclear whether companies would be willing to transfer the technology. In such a situation, will our companies be able to manufacture vaccines like mRNAs anew?

Why not, Jinova Biopharma has already prepared the mRNA vaccine. Its trials are underway. Vaccines appear to produce excellent immunity in non-human trials. This vaccine can be stored at a temperature of 2–8 degrees. Phase I trials are underway, which will be completed by mid-June. Genova Biopharmaceuticals has developed the capacity to produce 10 million doses per month since September after the completion of the remaining trials.

When will the children's vaccine arrive?

Children's immune system functions differently and responds more strongly than adults.

Therefore the vaccine dose for children is different. Globally, Pfizer and Mordana have begun trials of their vaccines for children aged between 12-18 years and six months to 11 years. In this regard, Bharat Biotech has been allowed to conduct clinical trials in children of covaxine in the country. This test will be done on children between 2-18 years of age.

What is the progress towards making Corona medicines?

The Department of Biotechnology has also taken several initiatives in the direction of making medicines. Second phase human trials of AQCH, a drug made from medicinal and aromatic plants, are underway. Similarly studies are being done on a drug based on human monoclonal antibodies. Veerafin, a drug supported by DBT, has recently received limited emergency use approval.

When will the nasal vaccine arrive?

The vaccine has been developed by Bharat Biotech in collaboration with the University of Washington. It is an adenovirus vectors based vaccine. It is a nasal single dose vaccine. Pre-clinical studies have been completed. In March, it was allowed for the first phase of clinical trials. Based on the results of these tests, the second and third phase tests will now be allowed. There is a possibility that the tests will start later this month or next month.

Published in:

[Newstree](#)

Uttar Pradesh: More funds allocated for Covid management

CSIR-NBRI, CDRI

08th May, 2021

LUCKNOW: Use of state disaster relief fund for various Covid-related expenditure was cleared by the state disaster management executive committee, headed by chief secretary RK Tiwari, on Friday.

It has been decided to give Rs 1 crore each to CSIR, NBRI, CDRI and Birbal Sahni Institute of Paleobotany for purchase of consumables and medicines etc. A proposal to allocate Rs 7.72 crore for operating quarantine centres in all 75 districts was also approved, along with Rs 225 crore for purchase of medical consumables in the districts including testing kits, surveillance, screening, quarantine camps, renting vehicles for contact tracing.

Another Rs 45 crore was approved for PPE kits and other essentials for police personnel. A proposal of Rs 20 crore to pay to railways for ferrying oxygen tankers from Jharkhand, West Bengal and other states was cleared. Other proposals that were cleared included Rs 80 crore for establishing labs in Covid hospitals, Rs 1.90 crore to UPSIDA for oxygen plants, and Rs 50 crore to KGMU for RT-PCR kits and RNA extraction kits.

Published in:

[Timesofindia](https://timesofindia.com)

CSIR-CMERI

08th May, 2021

CSIR-CMERI Durgapur in association with MSME-DI Ranchi organises virtual technical awareness campaign

Ranchi: CSIR-CMERI, Durgapur in association with MSME-DI Ranchi, Government of India and Indo Danish Tool Room (IDTR), Jamshedpur organized a technical awareness campaign virtually for the MSMEs, Industries and entrepreneurs.

Nearly 115 participants from MSEs industries, entrepreneurs, medical professionals and technical experts participated in the programme. The officials of MSME-DI Ranchi and Indo Danish Tool Room, Jamshedpur appreciated the initiative of CSIR-CMERI for imparting the technical awareness amongst the stakeholders through such programme



and discussed about the Oxygen Concentrators and Oxygen Enrichment Unit as the alternative to the Liquid Oxygen Cylinders.

On the occasion Prof (Dr) Harish Hirani, Director, CSIR-CMERI stated that

CSIR-CMERI intends to boost manufacturing of OEU so that the mass production of the unit may be started at the earliest and its benefits may be extended to the maximum people in the society. Talking about some bottlenecks in the

availability of the raw materials for the product locally, Professor Hirani urged all to work together in a cohesive manner so that necessary Oxygen units may be provided to the needy persons in the society.

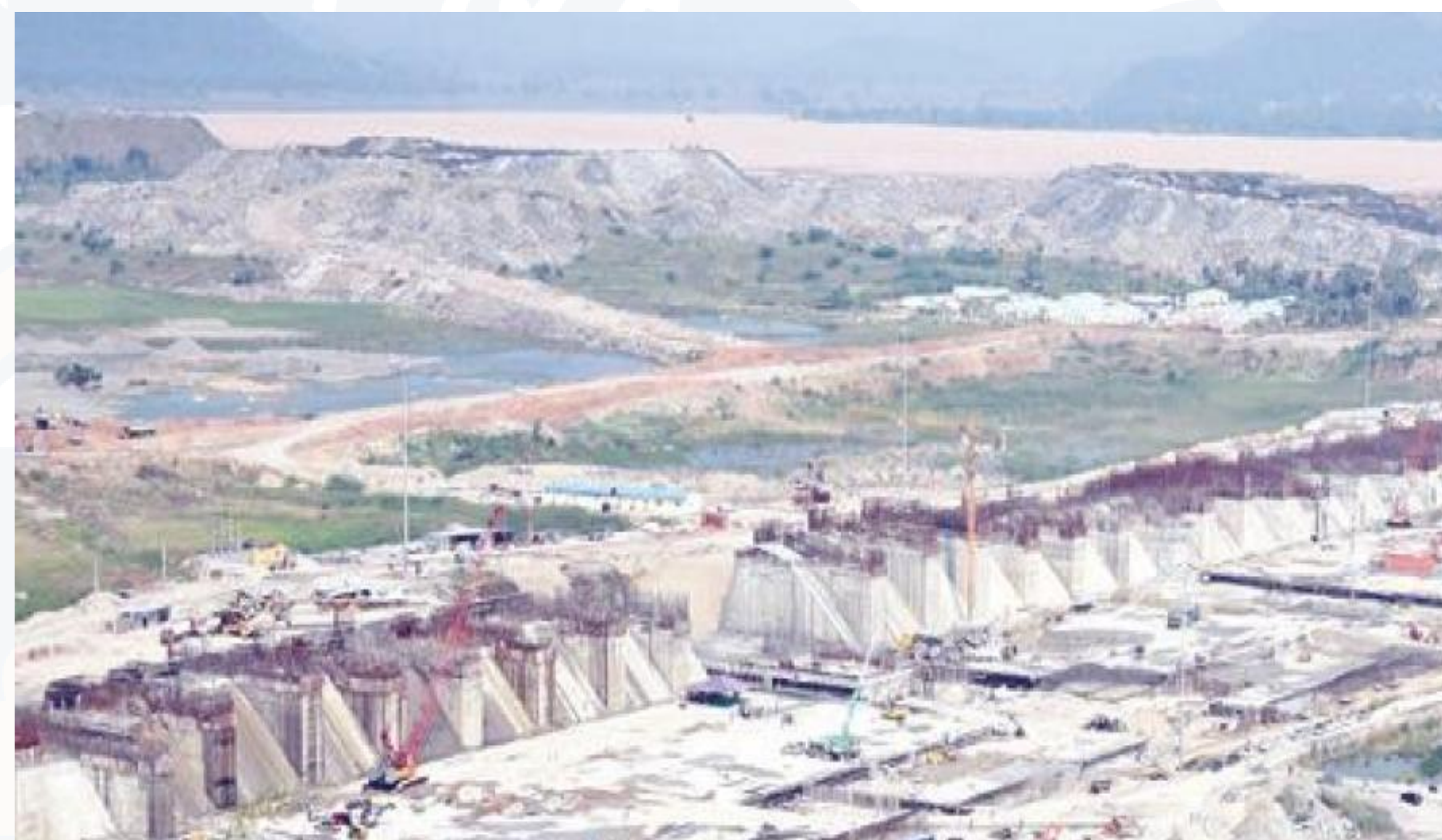
Published in:
Morning India

Construct retaining wall at Polavaram dumping site, suggests NGT panel

CSIR-NEERI

06th May, 2021

VIJAYAWADA: The expert committee appointed by the National Green Tribunal to assess the environmental management plan in the execution of Polavaram Irrigation Project has submitted its report making several recommendations including construction of a suitable retaining wall at the waste dumping site, conducting stability analysis and designing the slope of soil dump to prevent failure of surface.



The committee also noted that the ambient air quality, groundwater quality and soil quality were well within permissible standards and that the muck dumping was not a source for any contamination. The committee, headed by former judge of AP High Court Seshasayana Reddy, held field visits and conducted a public hearing on March 30 this year, after the NGT directed it to study the issues raised in the application filed by environmentalist Pentapati Pulla Rao regarding dumping of construction material.

In its field visit, the committee said, it observed that there was no scientific design of the site to dump of muck, no retaining wall to prevent the silt into the Kadiamma vaagu, no measures were adopted to prevent dust storm during dumping/unloading of muck, no proper slope was maintained and muck was dumped haphazardly. “As on the date of the committee’s visit to Mulalanka dump yard, no safety measures were adopted for stability of the dump site,” it noted.

It said that the ambient air quality data, conducted inside the BC Colony, for 48 days showed that PM₁₀ and PM_{2.5} exceeded the prescribed limits on eight and 13 days respectively. “However, it cannot be concluded that the exceeding of PM concentrations is only due to muck dump,” the panel clarified.

The groundwater and soil were not contaminated, it added. “Hence, there is no chance of soil and water pollution in the nearby areas. Based on the monitoring report of CSIR-NEERI, except dust pollution on some occasions, no other environmental damages observed in surrounding areas of Mulalanka dump yard,” the committee concluded. However, it made recommendations based on public feedback and field observations.

It said that judicial interpretation was needed to see if acquisition of additional land for the dump yard meant change in scope of the project. “Suitable retaining wall with required specifications [needs] to be constructed at the toe of Mulalanka dump site along the realigned Kadiamma vaagu. Horizontal and vertical storm water drains [need] to be made to regulate the flow of dump catchment to Kadiamma vaagu,” the committee said. It also made recommendations on growing necessary vegetation.

Published in:

[Newindianexpress](https://www.newindianexpress.com)

Transfer Of CSIR-CMERI Technologies To Three MSMEs

CSIR-CMERI

06th May, 2021

New Delhi: CSIR-Central Mechanical Engineering Research Institute transferred its Oxygen Concentrator Technology and High Flow Rate Iron Removal Plant Technology virtually on 05.05.2021. Oxygen Concentrator Technology was transferred to M/s. C and I Calibrations Pvt. Ltd, Kota, Rajasthan and M/s. SA CORP, IMT Manesar, Gurgaon. The High Flow Rate Iron Removal Plant Technology was transferred to M/s Maa Durga Sales Agency, Guwahati.



Prof. (Dr.) Harish Hirani, Director, CSIR-CMERI expressed that CSIR-CMERI is trying to boost the MSMEs so that they can manufacture the product for its reach to the masses. The main motto of CSIR-CMERI is to help each and every one to bring innovation to the common people for which we require cooperation MSMEs who have capabilities of low-cost manufacturing.

Mr. Omkar Bansal of 'M/s Maa Durga Sales Agency', Guwahati told that several areas of Assam are facing the problem of high contamination of iron in drinking water and his company is planning to start work in the four most affected districts namely Kamrup Metro, Kamrup Urban, Barpeta and Shivasagar of Assam. Presently, the company is working for installation of 700 water purification system of smaller units with a capacity of 1000 litres per hour. The company has plan to install High Flow Rate (6000 to 12000 LPH) Iron Removal filter technology of CSIR-CMERI in different districts of Assam as a part of projects

received from the Government, respective panchayats and also to be a part of Jal Jeevan Mission of the Government of India.

Mr. Ashok Patni of 'C and I Calibrations Pvt. Ltd', Kota, Rajasthan thanked Prof. Hirani and the concerned team of the Institute for providing the technology and encouraging them on the product development of Oxygen Concentrator. He mentioned that they have sufficient infrastructure for manufacturing the product and they also have the advantage of having NABL accredited labs and they are conducting tests of more than 700 equipment. In the current pandemic scenario, they want to help the society through maximisation of manufacturing of the product to extend support to the needy person to avoid them from hospitalization. They added that at the moment they are focussing on 5 litre capacity concentrators and trying to reach to every nook and corners of the country. At the moment they are planning for manufacturing 3000 to 4000 units of concentrators per month. Though there are some bottlenecks in the availability of raw materials and costing aspects, they are making all efforts for the import substitution.

Mr. Deepak Jain of 'SA CORP', IMT Manesar, Gurgaon informed that they are working on the development of the prototypes and targeting for 5000 units per month which may further be scaled up at the earliest. He also stated that the initial cost for developing the prototype is coming around Rs.40000-45000 due to the sudden surge in the cost of raw material which is expected to come down on production at mass scale. In this regard he also requested the Institute.

Published in:

Indiaeducationdiary

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