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➤ **What is the purpose of the MoU signed between NSRCEL and SIDBI?**

- A) To establish a joint research center
- B) To provide scholarships for students
- C) To collaborate on hosting academic conferences
- D) To nurture start-ups and help them scale up
- E) To conduct government-funded projects



Answer

D) To nurture start-ups and help them scale up



Explanation

- **IIM Bangalore's NSRCEL and SIDBI have collaborated to establish a pre-seed fund, specifically for start-ups in the deep tech and emerging businesses area.**
- **The MoU signed between the two organisations laid the foundation for a multi-year relationship to nurture start-ups and lead them towards scaling up their business activities.**
- **It provides support to start-ups and entrepreneurs through various programs, including incubation, mentorship, and educational initiatives.**



Keyperson:

- Anand Sri Ganesh, CEO of NSRCEL



Titbits

SIDBI:

HQ: Lucknow, Uttar Pradesh
Chairman and MD: Sivasubramanian Ramann



➤ **What is the primary objective of the project launched by ICAR-Central Marine Fisheries Research Institute (CMFRI)?**

- A) To promote wild fishing
- B) To reduce seafood demand
- C) To develop lab-grown fish meat
- D) To increase pressure on wild resources
- E) To study marine ecosystems

Answer

C) To develop lab-grown fish meat



Explanation

- In a first in India, the ICAR-Central Marine Fisheries Research Institute (CMFRI) has launched a landmark project to carry out research for developing lab-grown fish meat.
- CMFRI Director A Gopalakrishnan and Co-founder and CEO of the Neat Meatt Biotech Sandeep Sharma signed an MoU in this regard.
- The initiative is aimed at addressing the growing seafood demand and reduces excessive pressure on wild resources.
- Cultivated fish meat or lab grown fish meat is produced by isolating specific cells from the fish and growing them in the laboratory setting using animal component free media.



Explanation

- **The final product will replicate the original flavour, texture and nutritional qualities of the fish.**
- **In the initial phase, the institute focuses on developing cell-based meat of high value marine fishes such as king fish, pomfret and seer fish.**
- **CMFRI has entered into a collaborative research agreement with Neat Meatt Biotech, a start-up working towards developing cultivated meat, to launch this initiative in a public-private partnership mode.**



Explanation

- **Neat Meatt, with its expertise in cell culture technology, will lead the optimization of cell growth media, development of scaffolds or micro-carriers for cell attachment, and scaling up production through bioreactors.**
- **They will also provide necessary consumables, manpower, and any additional equipment needed for the project.**
- **This public-private partnership marks a crucial step in bridging the gap between India and other nations like Singapore, Israel, and the USA, who are already advancing cultured seafood research.**



Keyperson:

- Sandeep Sharma, Co-founder and CEO of the Neat Meatt Biotech
- A Gopalakrishnan, CMFRI Director



Central Marine Fisheries Research Institute (CMFRI):

- **The Central Marine Fisheries Research Institute was established in the government of India on 3 February 1947 under the Ministry of Agriculture and Farmers Welfare and later, in 1967, it joined the Indian Council of Agricultural Research (ICAR) family and emerged as a leading tropical marine fisheries research institute in the world.**
- **The institute has four regional centres located at Mandapam, Visakhapatnam, Mangalore and Vizhinjam and seven regional stations at Mumbai, Chennai, Calicut, Karwar, Tuticorin, Veraval and Digha.**



Central Marine Fisheries Research Institute (CMFRI):

- **There are also fifteen field centres and 2 KVKs (Ernakulam and Kavaratti, Lakshadweep) under the control of the institute.**
- **HQ: Kochi, Kerala**
- **Director: Dr A Gopalakrishnan**



➤ **Where was the 1,000-kilowatt bifacial solar system project commissioned by Tata Power Renewable Energy Ltd (TPREL)?**

- A) Gujarat
- B) Maharashtra
- C) West Bengal
- D) Tamil Nadu
- E) Rajasthan

Answer
C) West Bengal



Explanation

- **Tata Power Renewable Energy Ltd (TPREL) has commissioned a 1,000-kilowatt bifacial solar system project in West Bengal.**
- **Bifacial solar system comprises solar panel which captures sunlight from both surfaces and produces power from two sides.**
- **TPREL has successfully commissioned a pioneering 1040 kW Bifacial Solar System project with Chengmari Tea Estate.**
- **This marks the first-ever installation of on-ground bifacial modules in eastern India.**



Explanation

- The project is expected to generate around 1.5 million units (MUs) of energy annually and reduce carbon footprint of 29,420 lakh tonnes, which is equivalent to planting 47,000 teak trees.
- The project is located in West Bengal.
- With this addition, the total renewable capacity of TPREL reached 9,012 MW.



Keyperson:

- Deepesh Nanda, MD & CEO, Tata Power Renewable Energy Limited



Tata Power Renewable Energy Ltd:

- **Tata Power Renewable Energy Limited (TPREL) is a wholly owned subsidiary of The Tata Power Company Limited (Tata Power).**
- **TPREL is Tata Power's primary investment vehicle for the clean and renewable energy based power generation capacity.**
- **Their operating capacity is 1839 MW comprising of 907 MW Wind Power and 932 MW Solar Power.**
- **It has a further 373 MW of Wind and Solar capacity under development/ construction.**
- **MD and CEO: Deepesh Nanda**



➤ What is the name of the house journal released by Indian Renewable Energy Development Agency (IREDA)'s Vigilance Department?

- A) Pahal
- B) Urja
- C) Bijli
- D) Shakti
- E) Navikaran

Answer
A) Pahal



Explanation

- **Indian Renewable Energy Development Agency (IREDA), Government of India enterprise under the administrative control of Ministry of New and Renewable Energy, has released 'Pahal'- the insightful house journal of its Vigilance Department.**
- **The journal has been unveiled by Chairman & Managing Director of IREDA, Shri Pradip Kumar Das.**
- **The initiative marks a significant step towards transparency, accountability, and the promotion of renewable energy initiatives by IREDA.**



IREDA:

- **Indian Renewable Energy Development Agency Limited (IREDA) is an Indian public sector enterprise which provides financial assistance and other services to projects related to renewable sources of energy and energy efficiency/conservation.**
- **Formed in 1987, IREDA is a Mini Ratna (Category – I) organisation owned by the Government of India and administratively controlled by the Ministry of New and Renewable Energy (MNRE).**
- **HQ: New Delhi**
- **Chairman and MD: Pradeep Kumar Das**



QUICK RECALL



- **NSRCEL IIM Bangalore, SIDBI launch pre-seed deep tech accelerator fund**
- **First in India, CMFRI embarks on developing lab-grown fish meat**
- **Tata Power Renewable Energy installs 1,000 kW solar project in West Bengal**
- **IREDA Releases Vigilance Journal 'Pahal'**



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