







16 July 2024

Kerala Regional News

PM Surya Ghar Muft Bijli Yojana	 Context: The Prime Minister Suryagarh programme, aimed at promoting rooftop solar power plants across India, has shown significant results in Kerala. Kerala secured the third position nationwide for its effective implementation and provision of subsidies, following Gujarat and Maharashtra.
	 Implementation and Administration: Implementing Agency: Kerala State Electricity Board (KSEB) oversees the project's execution in the state. Financial Disbursement: Subsidies are directly credited to consumers' accounts by the Ministry of Finance, streamlining financial transactions.
	 Financial Impact: Subsidy Allocation: Kerala allocated Rs 27.07 crores as subsidies as of July 6, demonstrating substantial financial commitment despite its size compared to larger states like Gujarat (Rs 146.99 crore) and Maharashtra (Rs 28.68 crore).
	 Operational Details: Subsidy Criteria: Subsidies are granted based on the capacity of the rooftop solar plants, with rates ranging from Rs 30,000 to Rs 78,000 for plants producing up to 3 kilowatts. Registration and Installation: 2.17 lakh people registered under the scheme in Kerala, with 55,999 applications received and 16,782 plants installed, generating a total of 52 MW of power.
	 Industrial Participation: Partnerships: Kerala has engaged 730 companies for the installation of rooftop solar plants across the state, enhancing local industrial involvement in renewable energy initiatives.













The Union Cabinet approved a ₹75,021-crore package for the 'PM-Surya Ghar: Muft Bijli Yojana' (PM Free Electricity scheme) to promote rooftop solar (RTS) installations in India.

- Free Electricity: The government will provide 300 units of free electricity per month to 1 crore households, aiming to light up their homes.
- Rooftop Solar Promotion: Urban bodies and local Panchayats will be encouraged to promote rooftop solar systems in their areas. This aligns with the free electricity provision, potentially utilising solar power as the source.
- **Financial Support:** The government guarantees no financial burden on the beneficiaries. This will likely involve subsidies deposited directly into bank accounts and offering affordable loans to help cover any costs associated with the program.

Benefits of PM Surya Ghar Bijli Yojana:

The PM Surya Ghar Bijli Yojana scheme anticipates several advantages, including:

- Household Savings: Households can potentially save ₹15,000 to ₹18,000 annually through free electricity and selling surplus solar power back to the grid.
- Electric Vehicle Charging: The increased adoption of solar power could support the charging of electric vehicles, promoting a shift towards sustainable transportation.
- Job Creation: Opportunities for entrepreneurs and skilled youth are expected to arise in areas like supplying, installing, and maintaining rooftop solar systems.











Daily Current Affairs Encyclopedia

Genome sequencing	 Context: In a pioneering effort aimed at enhancing pandemic preparedness and personalized healthcare solutions, Kerala is leveraging genome sequencing technology. This initiative primarily targets diseases like sickle cell anaemia and dengue.
	 Kerala Genome Data Centre (KGDC): Purpose: Established to harness genomic data's potential for clinical applications. Location: To be located in Thiruvananthapuram, expected to be operational by November. Role: Will store, analyze, and manage genomic data, facilitating advanced sequencing techniques.
	 Genome Sequencing Projects: Sickle Cell Anaemia: Focuses on identifying genetic variations among patients in Kerala, particularly prevalent in Wayanad and Attappadi regions. Aims to personalize treatment approaches. Dengue Treatment: Investigates genetic variants of dengue viruses to tailor treatment strategies based on evolving virus strains. Current efforts address the spike in dengue cases observed in recent years.
	 Healthcare Impact: Precision Medicine: Genome sequencing offers cost-effective clinical care solutions, pivotal in Kerala's healthcare landscape. Long-term Strategy: KGDC's genomic database will serve as a reference for future disease outbreaks, enhancing proactive medical interventions.
Study Linking Epidemics in Kerala to Climate Change	 Context: A recent study highlighted in the 'National Library of Medicine' suggests a concerning correlation between climate change and the resurgence of epidemics in Kerala. This finding underscores the threat posed to global efforts in reducing infectious disease rates due to climate variability.
	 Impact of Climate Change on Waterborne Diseases: Research explores how anthropogenic climate change influences the incidence of waterborne diseases.

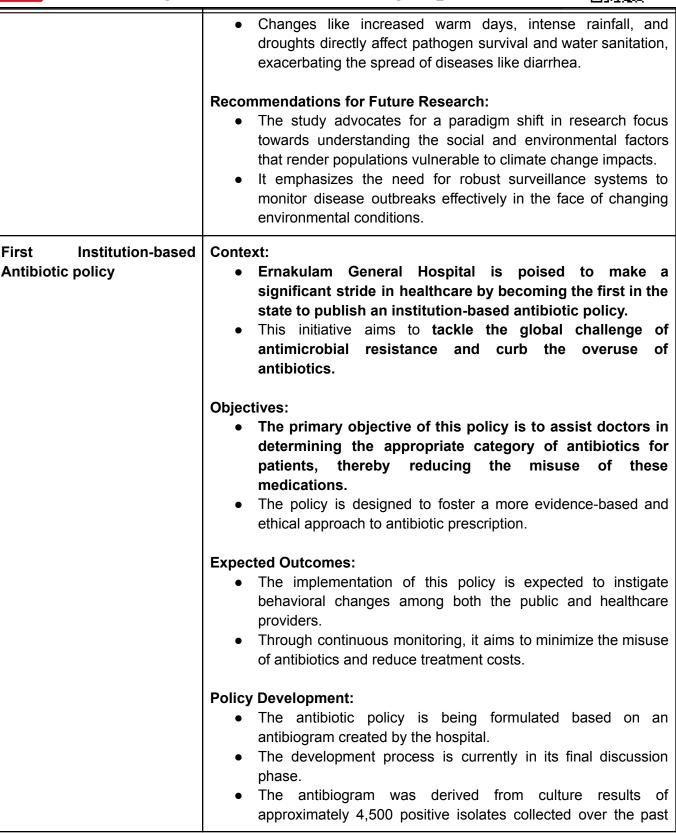
























year, which helped identify microorganisms and their sensitivity to various antibiotics.

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