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# UTTAR PRADESH RENEWABLE ENERGY CONFERENCE & EXPO-2023

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Indira Gandhi Pratishthan, Lucknow



## POST EVENT REPORT

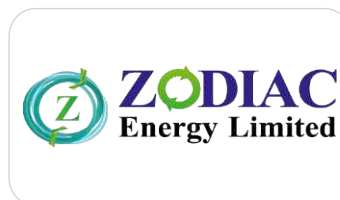


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# RENEWABLE ENERGY CONFERENCE

## Shri Anupam Shukla, IAS, Director, UP NEDA

Conferences like this serve to promote and propagate renewable energy in the state of Uttar Pradesh. I'm grateful to the companies working in Uttar Pradesh for their dedication to renewable energy. The government of Uttar Pradesh, as well as the central government, is focused on advancing renewable energy initiatives. The central government has set a target of 500 megawatts for renewable energy by 2030, and the state government is equally committed to achieving this goal. Whatever support is required by the companies in Uttar Pradesh to meet this target, the government will provide the necessary support and cooperation.

Solar Energy 2022 and Bioenergy 2022 have been launched by the government under the same direction. The government will also introduce new hydrogen policies with the primary purpose of utilizing it as a fuel within month.

Agriculture sector has been suffering significant losses. So, the government is planning to support farmers through renewable energy to reduce these losses. I also urge the companies present here to work towards the same and strive to address the issues faced by farmers in the state. Additionally, the Kusum 1 and Kusum 2 policies are also in effect in this state, under which farmers can avail 90% of the subsidy for solar plants through UPNEDA.

The government is also planning for a 115-megawatt solar substation in the state. Moreover, the government is actively implementing policies for the development of renewable energy and bioenergy in the state. The Bioenergy approach has been recognized worldwide and aligns with the same direction. The government is planning to set up a biogas compressed bio gas plant. This initiative will not only reduce crop burning but also increase farmers' income, ensuring energy security in the coming time. It is anticipated to be a game-changer.

Lastly, I would like to express my gratitude to CARD for organizing this event. Such events should be organized frequently. I also request that CARD assess the impact of the event and support us in the policy framework.



## Shri Dr. Anis Ansari

First of all, I would like to thank CARD for organizing this event, and I would also like to welcome all the techno trees present at this event. I have been associated with CARD for a long time, and they have addressed burning issues by organizing this fruitful event.

As per the United Nations Sustainable Development goals for the year 2030 before the Industrial Revolution. The global temperature, when checked, was stable, but due to the Industrial Revolution, there has been a certain hike in it. That's why the United Nations Sustainable Development Goals target for 2030 is to keep this in check. The temperature should not exceed more than 1.5 degrees Celsius by 2030.

All government sales societies and all sectors should come together, given India's agrarian nature. With 65% of the population directly involved in agriculture in India, the trend to burn crops remains, contributing to the release of methane gas along with animal waste. This imparts to the increase in the country's temperature. That's why it is important to produce energy through renewable sources currently. 34% of renewable energy is produced. Different sources of renewable energy include green energy, wind energy, solar energy, and others. Challenges in implementing policies include circuit prices to achieve the target of the Sustainable Development Goals and renewable energy in this state.



## Shri Manish Sinha (General Manager, SIDBI, Uttar Pradesh)



Greetings to all the dignitary's, organisation present her CARD teams and other participants. Thanks to the UP NEDA and CARD for the organising this event, which is need of the hour, as we have witnessed the sudden rise in temperature, pollution and other man-made calamities to mitigate these challenges, we must adopt practises and source of energy that is renewable to protect the environment.

We need to create a balance between nature and development activities, and renewable energy is the topic of discussion, along with my perspective. He said to add on bridging the gap and making a balance. It is important to switch towards renewable sources for energy. The central government and the state government, at the policy level, are playing their part in promoting renewable energy and green energy. This should be a collective effort from consumers, bankers, institutions, and corporations. For

this purpose, SIDBI has taken the Moradabad cluster as a step towards the same goal. It involves making entrepreneurs and workers connect their coal-based furnaces into bio gas furnaces. Currently, 100 furnaces are already functional. In Gorakhpur, solar-operated furnaces, as well as CNG-based boats in Varanasi, are part of the initiative, and a floating CNG centre is installed from SIDBI. For the upcoming duration, we should focus on renewable sources with our collective efforts.

### Shri Suresh Kumar ( Add. Director, Agriculture dept., Lucknow )

Greetings to all the dignitaries and participants. I welcome you all from the Agriculture Department. The Agriculture Department in Uttar Pradesh is established in solar in the field of renewable sources of energy. It started in the state from 2013-14 with PM Kusum and PM Kisan. Till date, 49,700 solar pumps have been installed in Uttar Pradesh in the financial year 2023-24. Currently, 12,000 pumps are already installed by the Agriculture Department of Uttar Pradesh.

In the current scenario, as you are aware, global warming is rising. So, each one of us, institutions, and others should make efforts to address this. Solar energy, green energy, and renewable energy are mediums to tackle this challenge. We are planning to establish 30,000 solar pumps. Currently, the government is providing a 60% subsidy for this.



### Shri Ram Kumar, ( UP NEDA )



Welcome everyone dignitaries on the dice thank you

As you know it's comment of India and United Nations joint votes, national action plan for climate change. State accent plan for climate change There are seven principles in it under the different sectors for making efficiently targeting to make emission free India by 2050. In this direction, government is making efforts for carbonizations as you have seen government have bring carbon credit policy.

Irrigation through the normal method emits higher emissions, but due to solar irrigation, zero carbon is emitted.

Renewable power in energy utilization makes up almost 10%, which should be through renewable sources. The Rooftop solar plant, Kusum scheme (Kusum 1 & 2), gives 90%

of the subsidy to the farmers. All irrigation systems in this state will be solar-powered in the next five years, starting from 2022, in order to achieve decarbonization.

A hydropower-related policy has been launched by the central government, and the government of Uttar Pradesh is making efforts to establish hydrogen-related power generation. UP NEDA has planned a training program of 45 days for renewable source energy generation and entrepreneurship for the candidates.

## Shri Arindam Roy, (MMTC)

"Inclusive, conscious, and sustainable" are the taglines for the Government of India, and one agenda is renewable energy. I would like to welcome all the dignitaries, corporates, and participants. CARD, as an organization, is making efforts in organizing such events and spreading awareness, bringing government institutions, bankers, corporates, and entrepreneurs on one platform through the event for generating energy through renewable sources.

I would like to express my gratitude to organizations and institutions like UP NEDA, SIDBI, Oil India, Zodiac Energy, Tata Power, Signifies, KL Ventures, Toilet Energy, Eco Chains, and others for bringing a revolution in the form of renewable energy to the state, as it is the need of the hour.

For this revolution Govt. of India and U.P state have launched so many policies on solar energy, bio-gas, Hydro power & other for generating energy through renewable sources and decarbonization Govt. of state and central govt. are making their best effort & supporting corporates and institution in the direction of renewable energy.

For this revolution, the Government of India and the U.P state have launched many policies on solar energy, bio-gas, hydropower, and others for generating energy through renewable sources and decarbonization. The state and central governments are making their best efforts and supporting corporates and institutions in the direction of renewable energy.

Many organizations in this field have come through innovation for irrigation, rooftop energy, bio-gas, and many others for decarbonization, making it an efficient source of energy for the consumer as well.

I wish this event will be fruitful in supporting corporates, institutions, and participants to bring a revolution in the state in the form of renewable sources and decarbonization.



## Dr. Jyotsna Singh

(Associate Professor, Institute of Renewable Energy, Lucknow University)



For generating energy through renewable sources in the state, an educational partner is required to provide handholding support to entrepreneurs and skilled manpower for the booming business from top to bottom.

The Institute of Renewable Energy at Lucknow University is making its best effort in the skill development of students and other institutions as a knowledge partner. Business opportunities in the renewable energy sector have nowadays spread widely, and why is it important? It is crucial to boost employment and produce skilled manpower for implementing projects with ease. Since the government's focus on Sustainable Development Goals (SDGs) by 2030 is on renewable energy, business opportunities arise.

Additionally, it has been made mandatory for existing industries to utilize at least 10% in the form of renewable energy. For this, a huge skilled manpower is required for efficient implementation. 2023-2032 CAGR is 40% of the renewable energy.

## Shri Brij Kishore Vyas, KLK Industries

KLK Industries started in 1991 with the aim of doing something innovative in renewable energy. KLK Industries has a long presence in Uttar Pradesh with the support of UP Renewable Energy. KLK Industries has set up more than 50,000 solar street lights, power plants, battery banks, or power banks in those parts where there is no electricity. KLK is working to provide the best possible energy-efficient solutions, EPS contractor with certain solar power products.

The organization is manufacturing solar-powered products as well, like solar-powered lithium-ion batteries, street lights, power banks, etc. Being associated with rural development initiatives, distributing products is easy, but with these comes another challenge that is maintenance, which needs to be ensured along with product sales and services. KLK is committed to establishing renewable energy as the best possible and efficient solution.



## Shri Vikas Balani (AGM, SIDBI)



Thanks to CARD for organizing such an event, and well, SIDBI is basically a financial institution that provides funds to banks, NBFCs, and microfinance institutions for setting up micro, small, and medium enterprises in the nation. SIDBI also provides a capacity-building program for entrepreneurs who want to set up MSMEs.

Solar power, renewable energy sources, and such industries are the future of the nation. Youth looking for entrepreneurship opportunities can get financial support in setting up their enterprises and contribute towards decarbonization. SIDBI, as a financial institution, has an ecosystem for funds, startup assistance funds, promotion, and development activities under these areas. SIDBI also provides capacity-building programs.

SIDBI is making an effort by bringing green financing that dis comprises under 4 programs

1. End to End financing
2. Express gain for sustainability
3. Green financing scheme
4. Innovative green project financing

SIDBI is committed to providing financial support for setting up industries in renewable energy.

## Shri Imran Hasmi (GM, Zodiac energy limited)

Formed in 1992, started diesel engines for the telecom sector, the growth company continued the production of diesel electricity generators. During 2000-2010, Zodiac Energy Limited set its foot in natural gas power generation plants, and during that period, installed 150MW electricity through these natural gas power plants.

Since 2017, Zodiac Energy started producing/manufacturing solar lithium-ion batteries, EV chargers, and solar water desalination. With more than 30 years of experience in the energy sector, Zodiac Energy is a trusted company among customers and consumers because of our after-sales services and maintenance. Zodiac Energy is committed to providing customer-based solutions in the form of clean and preserving the environment as well. 130 MW of energy is installed in





Gujarat with 11,000+ satisfied customers through a solar rooftop project. Due to our footprint in renewable sources of energy and solar power through solar rooftop projects, our organization has been awarded by many institutions for our contribution towards the nation and the planet.

## Shri Shivlal Yadav (BDM, Tata power)

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It has been a great event, especially focusing on solar energy. I won't get into details since things are already discussed; I just wanted to add a few things. Everyone thinks about many things before making a purchase decision, like its functioning, its use, and its maintenance. In the case of solar energy, everything is important, from solar panels to batteries and other supporting components.

In the current scenario, prices have also come down for solar panels, and they can be installed anywhere, whether it's in water, on land, or even on rooftops. Structures are the most important part of solar power; if planning for the long term, galvanized panels/structures should be used for long-term efficient use.

The main use of adopting solar-powered rooftops at an individual level is that 60-70% of the cost of electricity can be reduced. In the current time, the price of electricity is rising; therefore, solar power rooftops can be a game-changer in reducing the cost of electricity, thus reducing carbon emissions and contributing towards building a better future for the coming generation.

# GLIMPSES OF UP RENEWABLE ENERGY CONFERENCE



## LIST OF PARTICIPANTS

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