



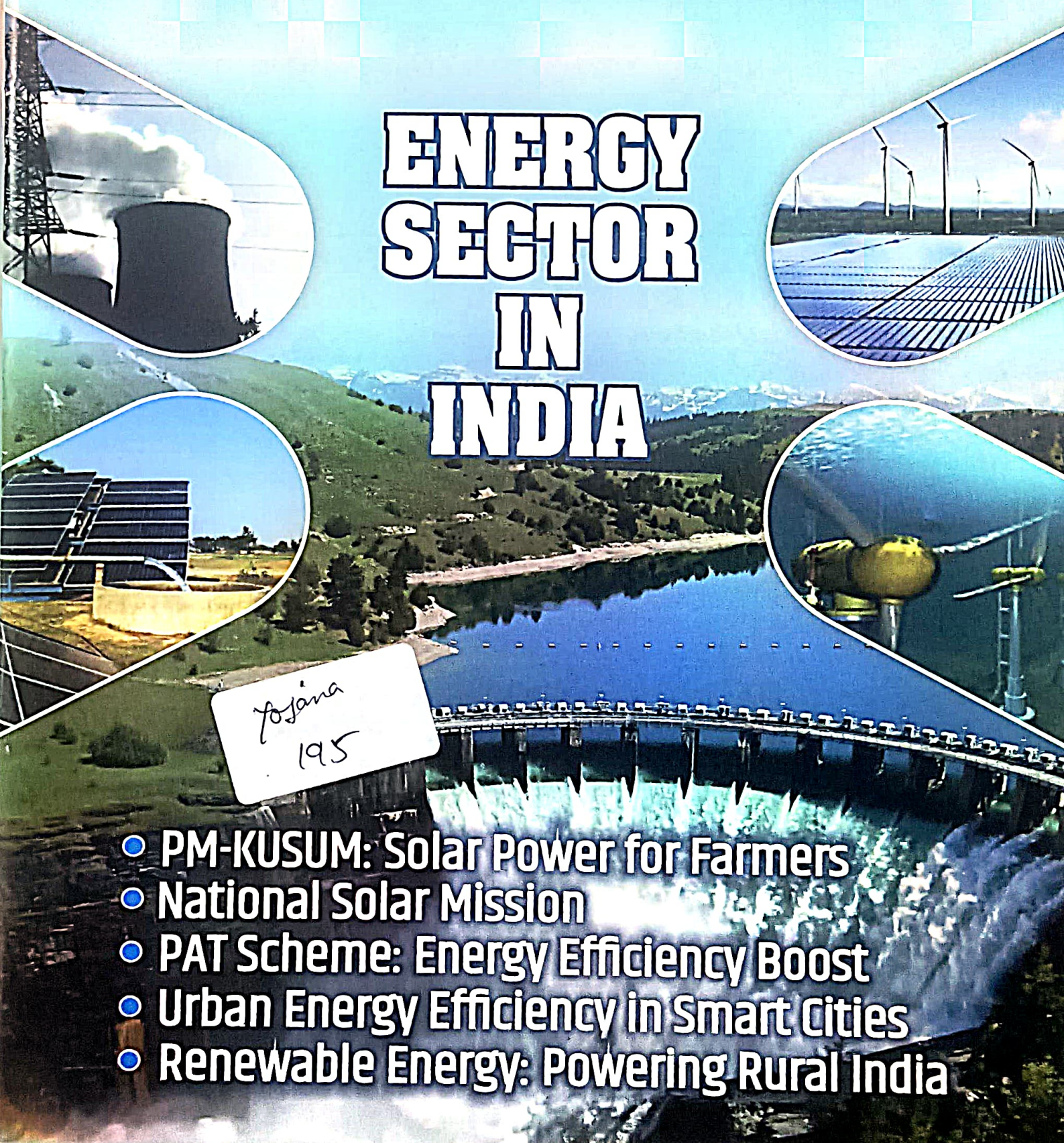
YOJANA

FEBRUARY 2025

A DEVELOPMENT MONTHLY SINCE 1957

₹ 22

ENERGY SECTOR IN INDIA



Yojana
195

- PM-KUSUM: Solar Power for Farmers
- National Solar Mission
- PAT Scheme: Energy Efficiency Boost
- Urban Energy Efficiency in Smart Cities
- Renewable Energy: Powering Rural India



*Let noble thoughts come to us from all sides.
Rig Veda*

Since 1957

CHIEF EDITOR
KULSHRESTHA KAMAL

EDITOR
SHUCHITA CHATURVEDI

OUR REPRESENTATIVES

Ahmedabad: JS Patel, Bengaluru: Shriyash KS, Bhubaneswar: Manoj Kumar Jali, Chennai: Sanjay Ghosh, Guwahati: Maruf Alam, Hyderabad: Sirajuddin Mohammed, Jalandhar: Gagandeep Kaur Devgan, Kolkata: Sumita Chakraborty, Pune: Harshal Rajendra Akude, Thiruvananthapuram: Sudha S Namboothiry.

JOINT DIRECTOR, PRODUCTION
D K C HRUDHAINATH

COVER DESIGN
BINDU VERMA

Yojana (English):
Room No. 647, Soochna Bhawan,
CGO Complex, Lodhi Road,
New Delhi-110 003.
E-mail (Editorial):
sec-yojanaeng-moib@gov.in

YOJANA, a development monthly published since 1957, is a theme-based journal providing in-depth analyses and views on socio-economic issues in the broader framework of government policies. Although published by the Ministry of Information and Broadcasting, **YOJANA** is not restricted to expressing the official point of view.

DISCLAIMER

YOJANA does not own responsibility regarding the contents of the advertisements. The readers are requested to verify the claims made in the advertisements regarding courses, career-guidance books or institutions.

YOJANA doesn't endorse or promote any brands or private entities presented as case studies in any of the articles.

SUBSCRIPTION/GRIEVANCES

Email: pdjucir@gmail.com

Phone: 011-24367453

(Monday-Friday, 9:30 am- 6:00 pm)

Postal Address
Abhishek Chaturvedi

Circulation Unit, Publications Division,
Room No. 779, Soochna Bhawan, CGO
Complex, Lodhi Road, New Delhi-110 003.

Please note that it will take at least eight weeks to start your subscription. Kindly raise your queries/grievances about non receipt of the Periodical only after this period.

SUBSCRIPTION-RELATED DETAILS : Page 33

IN THIS ISSUE



7 **PM-KUSUM: EMPOWERING FARMERS WITH SOLAR ENERGY SOLUTIONS**
Dr PS Birthal

12 **THE NATIONAL SOLAR MISSION: PROGRESS, CHALLENGES, AND THE PATH FOR RENEWABLE ENERGY BY 2030**
Ashok Kumar

16 **THE PERFORM, ACHIEVE, AND TRADE (PAT) SCHEME**
Dr SS Krishnan

22 **SMART CITIES MISSION AND THE ROLE OF ENERGY EFFICIENCY IN URBAN DEVELOPMENT**
Prof (Dr) Shaleen Singhal

28 **SCOPE & OPPORTUNITIES FOR RENEWABLE ENERGY IN RURAL INDIA**
Manjula Wadhwa



34 **GREEN HYDROGEN: INDIA'S PATH TO A SUSTAINABLE ENERGY FUTURE**
Dr Shashi Bhushan

40 **BIOFUELS AS PROMISING SUBSTITUTE FOR HIGH CARBON ENERGY SOURCE**
Dr Mayanglambam
Ojit Kumar Singh

46 **PRAGATI: DRIVING INDIA'S DEVELOPMENT WITH PURPOSE**
New India Samachar Research Team

49 **CULINARY SCIENCE AND FOOD TECHNOLOGY IN ANCIENT INDIA: INSIGHTS FROM PĀKĀŚĀSTRA**
Prof K Suryanarayana



UPCOMING ISSUE : UNION BUDGET 2025-26

For *Inbox*

Readers may give their feedback & suggestions on email : yojanace@gmail.com

Number of pages: 56

Details of the Sales Outlets of the Publications Division on Page 27

YOJANA is published in Assamese, Bengali, English, Gujarati, Hindi, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu, and Urdu.