

# CENTRAL BOARD OF IRRIGATION & POWER OFFICE BEARERS

<b>President</b>	:	<b>Mr. Ravindra Kumar Verma</b> , Chairperson, CEA
<b>(i) Vice President</b>	:	<b>Mr. S. Masood Husain</b> , Chairman, CWC
<b>(ii) Vice President</b>	:	<b>Mr. K.S. Popli</b> , CMD, IREDA
<b>(iii) Vice President</b>	:	<b>Mr. Ashok Sethi</b> , COO & ED, Tata Power
<b>Secretary</b>	:	<b>Mr. V.K. Kanjlia</b>
<b>Director</b>	:	<b>Mr. P.P. Wahi</b>
<b>Director (WR)</b>	:	<b>Dr. G.P. Patel</b>
<b>Director (E)</b>	:	<b>Mr. C.S. Malik</b>

H  
 292

- The statements and opinions expressed in this Journal are not necessarily of Central Board of Irrigation & Power.
- Reproduction of articles from Water and Energy International is subject to approval of the Editor.
- Interested authors from India and abroad are requested to contribute their articles to this Journal and send the same to Secretary, Central Board of Irrigation & Power, well in advance.

All communications should be addressed to :

Secretary  
 Central Board of Irrigation & Power  
 Malcha Marg, Chanakyapuri  
 New Delhi 110 021  
 Ph. : 91-11-2611 5984  
 Fax : 91-11-2611 6347  
 E-mail : [cbip@cbip.org](mailto:cbip@cbip.org)  
 Website : [www.cbip.org](http://www.cbip.org)

**Total Pages 84**

Monthly Subscription ₹ 200/-  
 Annual Subscription ₹ 2400/-

### FROM EDITOR'S DESK

**V.K. Kanjlia**, Secretary, CBIP

- CBIP DAY Celebrations 2018 (Including distribution of Awards) – A Brief Report

### NEWS LETTER

#### *Energy Section*

- International Conference Environmental Issues, Challenges and Innovations for Thermal Power Plants – 19<sup>th</sup> - 20<sup>th</sup> December 2017, New Delhi 58
- National Conclave on Prevention of Accidents on Distribution and Power Transformers – 21 & 22 December 2017, New Delhi 66

### STATISTICAL DATA

- *Water Resources Section* 78

### INTERNATIONAL EDITORIAL ADVISORY BOARD

- V.C. Patel** - Distinguished Professor and Director,  
 University of IOWA, U.S.A.  
**Donggi Zuo** - Prof. & President's Advisor of Hohai University,  
 Ministry of Water Resources, People's Rep. of China,  
**K.G. Ranga Raju** - Former Professor of Civil Engineering  
 University of Roorkee (Now IIT Roorkee)  
**Secretary General**, CIGRE, France,  
**Jose M. Martin Mendiluce** - Doctor Ingeniero de  
 Caminos ASINC, S.L., Spain,  
**Alison Bartle** - Editor, Aqua-Media International Ltd.,  
 United Kingdom.

Publisher, Printer and Editor Shri V.K. Kanjlia on behalf of Central Board of Irrigation and Power, Printed at M/s Chandu Press, D-97, Shakarpur, Delhi, published from Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi 110 021

# CONTENTS

(contd.)

## STATISTICAL DATA

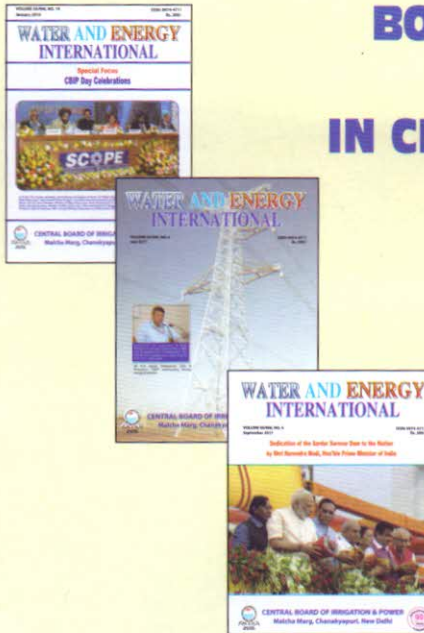
- *Energy Section*

79

## FAR & NEAR IN WATER AND ENERGY

- *News - Water Resources Section*

81



### BOOK ADVERTSIEMENT TODAY IN CBIP W&E INT. JOURNAL (Monthly Issue)

Tariff	
Back Cover	Rs. 35,000/-*
2nd/3d Cover	Rs. 25,000/-*
Inner Pages	Rs. 15,000/-*
<b>*GST 18% extra</b>	

*For Advertisement Please Contact :*  
**Secretary**  
**Central Board of Irrigation and Power**  
Malcha Marg, Chanakyapuri, New Delhi 110 021  
Phone: 91-11-26115984/1294/26116567  
Fax: 91-11-2611 6347 E-mail : [cbip@cbip.org](mailto:cbip@cbip.org)