INDIAN JOURNAL OF POWER AND RIVER VALLEY DEVELOPMENT

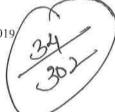
A JOURNAL DEVOTED TO DEVELOPMENT OF POWER AND WATER RESOURCES IN ASIA

(II ISSN 0019-5537)

(FOUNDED BY LATE P.K. MENON)

Editor: P. K. CHANDA

69 YEARS IN PUBLICATION 1950-2019 VOL. 69, Nos.3&4, MARCH-APRIL 2019,



Publishers:

BOOKS & JOURNALS PRIVATE LTD.

Directors:

P. K. CHANDA MRS. B. CHANDA

Editorial & Business Offices:

6/2 MADAN STREET KOLKATA 700 072

Mob: +91 9239384829

+91 8479919829

E-mail:bnjournals@gmail.com

Website: www.ijprvd.info

Annual Subscription

Indian:

Rs.2000.00

by M.O., draft or local cheque Rs.2025.00 by outstation cheque

Foreign:

£250.00 or \$300.00

Monthly issue:

Rs.100.00; £10.00/\$15.00

Back issues at double rates

This publication is available in microform from University Microfilms International



CONTENTS

Transmission power line fault detection based on deep leaning methods	
by K. Kalanidhi, D. Vinodkumar and P. Sridharan	35
New authentication scheme and enhanced authentication protocol for large scale metering in smart grids	
by Lou Yongmei, Wang Ying and Li Gen	39
Repair of Pandoh dam spillway by epoxy mortar: a case study	
by J. P. Gupta and Gulab Singh Narwal	46
Analysis of arsenic contamination in the groundwater of India -	
Bangladesh and Nepal with a special focus on the stabilisation of	
arsenic-laden sludge from arsenic filters	
by Amartya Kumar Bhattacharya, Rajashree Lodh, Asoke Kumar Roy,	
D.M.P. Karthik, Ajai Singh, Abhay Kumar Mishra, Sweta Kumari,	
Varsha Kumari, Kumar Daksh, Pankaj Kumar and Anurag	49
Notes and news	60

Enlist as a subscriber to :

JOURNAL OF MINES, METALS & FUELS

A TECHNICAL MONTHLY EXCLUSIVELY DEVOTED TO MINING, METALLURGY AND FUEL TECHNOLOGY

Annual Subscription

Rs.2000.00 (India); £250.00 or \$300.00 (Foreign)

Write to:

The Manager

BOOKS & JOURNALS PRIVATE LTD.

62 Lenin Sarani, Kolkata 700 013 E-mail: bnjournals@gmail.com