

जल संसाधन एवं संसदीय कार्य मंत्री  
भारत  
नई दिल्ली - ११०००१

MINISTER OF WATER RESOURCES & PARLIAMENTARY AFFAIRS  
INDIA  
NEW DELHI-110001

## M E S S A G E

I am glad to know that the National Institute of Hydrology, a premier institute in the field of hydrology, is organising a National Workshop on Advances in Hydrological Instrumentation during October 24-26, 1994 at Roorkee in collaboration with the Indian National Committee on Hydrology (INCOH).

I am sure the deliberations by experts from all over India will provide first hand information on the developments in instrumentation in the area of hydrology in India and provide guidelines for streamlining the efforts of various agencies in hydrological instrumentation.

I wish the Workshop a success.

(VIDYACHARAN SHUKLA)

Bhuvnesh Chaturvedi

MINISTER OF STATE  
PRIME MINISTER'S OFFICE  
NEW DELHI- 110011

**MESSAGE**

I am happy to know that the National Institute of Hydrology is organising a two day workshop on "Advances in Hydrological Instrumentation" during 25-26, October, 1994 at Roorkee.

I send my good wishes on this occasion.

**(Bhuvnesh Chaturvedi)**

राज्य मंत्री  
अपारम्परिक ऊर्जा स्रोत और  
कृषि राज्य मंत्री  
भारत

MINISTER OF STATE FOR  
NON-CONVENTIONAL ENERGY SOURCES  
AND MINISTER OF STATE FOR AGRICULTURE  
INDIA

### M E S S A G E

It is a matter of pleasure to learn that a National Workshop on Advances in Hydrological Instrumentation is being held at Roorkee during October 25-26, 1994 under the auspices of the National Institute of Hydrology, Roorkee and co-sponsored by the Indian National Committee on Hydrology (INCOH).

I hope the scientists and engineers participating in this Workshop will deliberate on this important subject and suggest suitable guidelines for advances in hydrological instrumentation in the country.

I take the opportunity to congratulate the organisers of the Workshop and send my greetings and best wishes to all for their commendable ventures.

(S. KRISHNA KUMAR)

## MESSAGE

I am very pleased to know that a National Workshop on Advances in Hydrological Instrumentation is being held on 25 and 26 October, 1994 at Roorkee and the workshop is being organised by the National Institute of Hydrology, Roorkee and it is co-sponsored by the Indian National Committee on Hydrology.

During the last decade, unprecedented advances have been made in the field on instrumentation for probing the water resources and for exploiting these resources for our life sustaining needs. As we know now, water is becoming a very precious mineral and there is a shortage of water in many countries of the world. Therefore, it is our duty not only to conserve water, but to find new and unused resources of water. For this, a combination of frontier technologies or high-tech such as microelectronics, fibre-optics, lasers, space applications, computers and new materials are likely to be used in the future to develop new probing instrumentation. A precise knowledge of the hydro-metereological conditions and a collection and effective use of rain water are also needed to provide the increasing requirements of water in our country.

I have no doubt that in this workshop, latest technologies which are available in the country and what are known outside India would be discussed effectively for better and more sensitive instrumentation to be used in future so that all our developmental projects which are dependent on water resources could be planned and managed properly on scientific lines.

I wish the workshop all success.

(S.Z. QASIM)

सचिव  
भारत सरकार  
जल संसाधन मंत्रालय  
SECRETARY TO THE GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES  
SHRAM SHAKTI BHAWAN, RAFI MARG  
नई दिल्ली - ११०००१

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*New Delhi-110001*

### **MESSAGE**

Instrumentation is an important aspect of research and development in all fields. It is as much so in hydrology. Instruments play a major role in the collection of hydrological data. There have, therefore, been rapid advances in the development of hydrological instruments. It is particularly heartening to know that, apart from private industry, government organisations like CWPRS, Pune; NGRI, Hyderabad, CIFT, Cochin, CSIO, Chandigarh, and IMD are actively involved and are contributing in a big way in developing these instruments.

I would like to compliment and congratulate the National Institute of Hydrology and the Indian National Committee on Hydrology for organising this timely National Workshop on Advances in Hydrological Instrumentation.

The Workshop provides a good meeting ground to participating engineers and scientists for exchanging ideas and experiences. I hope useful recommendations would emerge for future advances in hydrological instrumentation in the country.

I wish the Workshop all success.

(M.S. Reddy)

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### **MESSAGE**

*It is indeed a matter of pleasure to learn that a National Workshop on Advances in Hydrological Instrumentation is being held at Roorkee during October 25-26, 1994 under the auspices of the National Institute of Hydrology, Roorkee and co-sponsored by the Indian National Committee on Hydrology (INCOH).*

*I wish the National Workshop all success and do hope that the deliberations would result in meaningful recommendations.*

**(N VITTAL)**

महा निदेशक  
भारतीय कृषि अनुसंधान परिषद्

Director General  
Indian Council of Agricultural Research

सचिव, भारत सरकार  
कृषि अनुसंधान और शिक्षा विभाग (कृषि मंत्रालय)

Secretary, Govt. of India  
Department of Agricultural Research & Education  
(Ministry of Agriculture)  
Krishi Bhawan, New Delhi-110001

## M E S S A G E

The Ministry of Agriculture, Government of India, has increasingly felt the need to give strong emphasis to soil and water conservation and management and reclamation of degraded lands in its different programmes. To do this, it is necessary to use modern instruments to measure different parameters such as rainfall, water flow, soil loss, temperature, soil conditions, water levels, etc.

It is indeed heartening to learn that a National Workshop on Advances in Hydrological Instrumentation is being held at Roorkee from October 25-26, 1994 under the auspices of the National Institute of Hydrology, Roorkee and co-sponsored by the Indian National Committee on Hydrology (INCOH).

I feel, the deliberations which will take place during October 25-26, 1994 will provide a substantial contribution to Indian agriculture as well, and will help to a large extent in finalising the future plan for advances in hydrological instrumentation by NTH.

I wish the Workshop a success.

(R.S. PARODA)

भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**MESSAGE**

I am happy to know that a National Workshop on Advances in Hydrological Instrumentation is being organised at Roorkee during October 25-26, 1994 under the auspices of the National Institute of Hydrology, Roorkee, and co-sponsored by the Indian National Committee on Hydrology (INCOH). Since the quality of hydrological data depends greatly on the accuracy of measurements, the importance of the role of instrumentation in the science and practice of hydrology can hardly be over emphasised.

I wish to convey my best wishes to all the scientists and engineers participating in this Workshop. I hope their deliberations will lead to major advances in hydrological instrumentation in the country.

(N. SEN ROY)



एस. के. जोशी  
महानिदेशक, वै. औ. अ.प.  
सचिव, वैज्ञानिक तथा औद्योगिक  
अनुसंधान विभाग

S.K. JOSHI  
Director General, CSIR  
& Secretary, Department of  
Scientific & Industrial Research

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्  
अनुसंधान भवन  
रफी मार्ग, नई दिल्ली - 110001

**COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**  
Anusandhan Bhavan, Rafi Marg, New Delhi-110001

### MESSAGE

I am glad to learn that a National Workshop on Advances in Hydrological Instrumentation is being organised at Roorkee during October 25-26, 1994 by the National Institute of Hydrology, Roorkee and co-sponsored by the Indian National Committee on Hydrology (INCOH).

Hydrologic instrumentation is an important aspect of hydrologic research and development which plays a pivotal role in the collection of data for hydrological studies. Very few organisations in public and private sectors are presently manufacturing such instruments.

The Workshop will bring to the fore the problems of hydrologic instrumentation in India, and the deliberations will help in planning well coordinated activities in the field of hydrological instrumentation in India. It is a very timely workshop.

I convey my good wishes for the success of the National Workshop.

(S.K. JOSHI)