

# Proceedings of the 11th All India Conference on Engineering Materials & Equipment, Calcutta, 15 & 16 January, 1982.

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**Venue** : Bharatiya Bhasa Parisad, Calcutta.

**Collaborators** : ★ Department of Science & Technology,  
Govt. of India.

★ West Bengal Science & Technology Committee,  
Government of West Bengal.

The 11th All India Conference on Engineering Materials & Equipment was formally inaugurated on 15th January, 1982 by Dr. B. Sen, Director, Technical Education, W. B. Government. In his inaugural address Dr. Sen pointed out two important problems facing the profession to-day: shortage of trained teachers in technical education and the problem of bureaucracy. Due to shortage of teachers many institutions are running through hardships. Further Dr. Sen pointed out that special efforts are to be employed to attract talented graduate to the teaching profession. The problem of bureaucracy in official agencies has seriously been affecting many projects both in the field of education and other development works. Welcoming Hon'ble Minister Shree Prohash Roy, Distinguished Guest of Honour, Dr. Das, Chief Guest and Special Guest Prof. C. S. Jha, Educational Adviser (Technical), Govt. of India and delegates and guests Professor B. Bose, Editor of the Journal of the Association, recalled the eventful 1st Decade of the AICEME. Dr. Bose also mentioned about the objects of the Seminar held on 16th January, 1982. Shree Prohash Roy, Hon'ble Minister-in-Charge, Irrigation & Waterways, Govt. of West Bengal,

reminded the august gathering about education—technical education in particular. Shree Roy emphasised on the role of Professional Body and its experts to spread technological education beyond urban horizon. Technological training should not be confined within the boundaries of universities and educational institutions. A Professional Body like the Association of Engineers, India should play an important role to educate people in the profession by arranging Seminars, Workshops, etc. The Chief Guest of the evening Dr. S. R. Das, Director General, National Test House, Government of India, pointed out about the close link of the Conference on Materials & Equipment with testing and calibration and National Standard. Explaining the role of National Test House Dr. Das said that there are, in fact, four standards namely, Standards of Physical Measurements, Standards of Specifications, Standards of Metrology and Standards of Testing & Qualitative Specifications. The former two should be made mandatory and should have legal protection. Professor C. S. Jha, Special Guest, reminded the audience about the role of a Professional Body to maintain the Standard and Ethics of the Profession. Professional Body is, in fact,

a watchdog of the Profession. Professor Jha pointed out that engineers and technologists in the country have got a challenging professional environment which would be very helpful to develop their professional skill and faculty. Emoluments should not be considered as only criterion for job satisfaction. Non-financial inputs, and there are plenty of them in the country, according to Professor Jha, should also be considered by the engineers and scientists as a satisfaction index.

Er. N. R. Banerjea, Secretary of the Association told the gathering about the activities of the Association. Er. Banerjea requested the official agencies and the members to come forward to help the Association to build its own building at its own plot of land at the Salt Lake City, Calcutta. Dr. M. Bhattacharyya in his presidential address reminded the august gathering that inspite of our shortcomings and lapses, for which he apologised, the Association has been serving the cause of the profession in its own right and might but with honour and dignity. The Association has been catering services in training apprentices as well as other professionals told Dr. Bhattacharyya to the distinguished guests and delegates. Er. R. C. Bhattacharyya, Asstt. Secretary of the Association proposed Vote-of-Thanks to the Honourable Minister and Dignitaries and Distinguished Delegates and Guests for their kind presence to grace the Inaugural Session. Thanks were also proposed to our patrons for their help and the authorities of the Bharatiya Bhasa Parisad to permit us to hold the 11th All India Conference on Engineering Materials & Equipment at their auditorium. The Honourable Guests and delegates were then invited to High Tea. After High Tea the guests and delegates were entertained by a cultural pro-

gramme of songs and dance-drama Tasher Desh by Tagore organised by the Artists of Amar Geeti, Calcutta.

The Seminar held on 16th January, 1982 at the Conference Room of the Bharatiya Bhasa Parisad was divided into two sessions :

#### **Technical Session 1 : Computer Aided Design**

Chairman : Professor B. K. Dutta, Mechanical Engineering Department, B. E. College, Howrah.

There were four papers presented at the Seminar (printed elsewhere in this volume). Prof. Dutta summed up the Session. His speech has been printed elsewhere in this volume.

#### **Technical Session 2 : Integrated Approach in Water Resources Planning & Development**

Chairman : Er. B. K. Bhattacharyya  
Director,

State Water Investigation Directorate, Government of W. Bengal

There were four papers presented at the Seminar. The summing up speech by Er. Bhattacharyya has been printed elsewhere in this issue.

In the Concluding Session Dr. M. Bhattacharyya extended thank to all on behalf of the Association and apologised for the lapses and shortcomings on our part to organise the 11th AICEME Dr. Bhattacharyya, Vice-President of the Association also thanked the distinguished speakers and delegates for their kind participation in the deliberations of the Seminar and Prof. B. K. Dutta and Er. B. K.

Bhattacharyya, Chairman of Technical Sessions I & II respectively for conducting the proceedings of the Seminar so smoothly, Dr. Bhattacharyya also requested the audience to send suggestions, which will be thankfully acknowledged, for Seminar topics for the 12th AICEME next year. Dr. Bhattacharyya him-

self suggested a broad topic entitled "Materials & Testing" in this regard.

The delegates and members were then served with tea. Thus the curtain dropped for the 11th AICEME!

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