

NATIONAL WORKSHOP ON ADVANCES IN HYDROLOGICAL INSTRUMENTATION

October 25-26, 1994

RECOMMENDATIONS

1. Pooling of efforts by various government organisations is necessary so that duplication is avoided and efficient use is made of the available resources.
2. User organisations to specify requirements for modern instrumentation under the hydrological observation programme and encourage private entrepreneurs by providing relevant designs and specifications of such equipment for fabrication and mass production for their wider use in the field.
3. To take advantage of the liberalisation policy of the government, collaboration between Indian entrepreneurs and the reputed manufactures/suppliers in other countries should be explored to manufacture advanced and high quality instruments within the country. This would also ensure availability of maintenance facilities for sophisticated equipment within the country.
4. Testing and standardisation of equipment be ensured through close interaction between R&D organisations, manufacturers and users in the field.
5. Reliable and portable instruments are required for monitoring other important hydrological parameters and processes, eg unsaturated flows, hydrogeochemical processes, suspended sediments, snowfall and its density, evaporation.
6. In view of the advancements made in hydrological instrumentation it is necessary that standards are developed for these advanced equipment in consultation with user organisations.
7. Creating awareness as well taking stock of the developments by organisation of workshops at intervals of two years and also dedicating one technical session to hydrological instruments at yearly national symposium on hydrology.
8. Dissemination of information amongst engineers and scientists

developing the instruments and the users through a newsletter at six monthly intervals, to be brought out by the National Institute of Hydrology.

9. Creation of a Display-cum-Demonstration centre for advanced hydrological instrumentation at one of the leading research organisations in the country. Funding from government would be required for procuring some of the costly equipment.
10. A committee on instrumentation for water resources purposes at the national level be constituted by the Ministry of Agriculture/ Water Resources.
11. R&D organisations, users and manufacturers should closely interact for developing the software required for use with computer/ micro-computer based systems.