

One-Day National Seminar
on
Pollution of Water Bodies in Urban Area
(Case Study Thane)

Sunday, 8th August 2004

Venue : VPM Polytechnic's Auditorium

Organised By

Vidya Prasarak Mandal's Polytechnic

'Jnanadweepa', College Campus,
Chendani Bunder Road,
Thane 400601 (MS), India.
www.vpmthane.com

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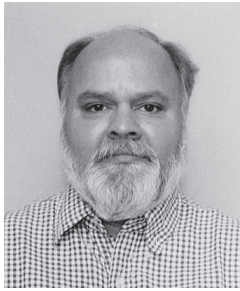
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WATER BODIES, PROBLEMS AND SOLUTIONS

Dr. Vijay Bedekar

Chairman

Vidya Prasarak Mandal, Thane.

Water is known in India as *Jeevan*. Words get their meanings through cultural background and thus calling water as life, is indicative of importance attributed to water in Indian social and cultural sphere. It must have been the experience of thousands of years, which must have helped Indians to give such a meaningful word to water. Modern world has just begun to realize that without adequate and clean supply of water life activity is not sustainable.

World claims to have made tremendous progress during last two centuries. However, it is very recently that we have started realizing that the cost mankind has paid and probably would pay in future is going to be huge, if we continue to neglect water management. There is a greater realization now that if we do not address water problem with seriousness, it may lead to conflicts and even wars. Very recently (March 2003) and for the first time, twenty-three United Nation agencies and convention secretaries have produced a very interesting World Water Development Report giving a global overview of the state of the world's freshwater resources.

Two third of the Earth is water, but only 02.53 percent is freshwater and rest salt water. Two third of freshwater is locked up in glaciers and permanent snow cover. Asian continent supports more than half the world's population having only 36 percent of the world's water resources.

Freshwater resources are reduced further by pollution. Reliable data on freshwater pollution is not available but according to one estimate global wastewater production is about 1,500km³. So one litre of wastewater pollutes eight litres of freshwater and thus present burden of pollution may be up to 12,000km³ worldwide

Modern life style is not only responsible for many health hazards like increased obesity, diabetes and cardiac diseases but is major factor responsible for adverse climate changes which in turn accounts for about 20 percent of increase in global water scarcity.

Presently 48 percent of the world's population lives in towns and cities and by 2060 it is expected to rise to about 60 percent. Though these are estimates, they help us for planning and managing water bodies especially in urban areas.

We need approximately 2,800 calories per day for adequate nourishment. Water required providing these calories are about 1000 cubic metres. If urban planners and Government agricultural policies are not going to be addressed keeping these facts in mind, consequences are going to be disastrous.

WHO/UNICEF Global Water Supply and Sanitation Assessment 2000 Report specifies reasonable access to water as at least 20 litres per person per day, from an improved source within 1 km of a user's dwelling. Urban planners should aim to achieve these figures.

VPM is an educational institution catering to the needs of about 15.000 students in different branches of learning. Quality education only can be given with adequate academic infrastructure. This seminar is a step in that direction. I am sure all involved agencies would take such seminars seriously, as human energy and financial resources required to organize such seminars are huge and many a times taxing to the available already strained resources.

I am sure the proceedings of today's seminar would throw light on many dark corners of this subject and would also be a valuable source material for urban planners and policy makers.

I am also sure that by the end of the day we would understand better the wisdom of ancient Indians, why water is known as *Jeevan* for centuries now.



POLLUTION OF WATER BODIES IN URBAN AREA

Prof. D.K. Nayak
Principal
VPM's Polytechnic, Thane

Good Health of individuals and society is an indicator of Nation's progress. With the increase in population and industrialization, pollution has become a cause of concern. Major threat to human health is the pollution in air, water and food. The awareness programme will definitely help individuals to take good care of the above resources. The urbanization had already taken toll on the availability of clean air and water. The water reserves are becoming inadequate to meet the urban consumption requirements. Industries and vehicular traffic are adding to the pollution levels of air as well as water. Under these circumstances to ensure the safety of human health is becoming a challenge to the civic bodies. Efforts are being made in various levels to provide clean water and provide details of pollution levels in air.

V.P.M.'s Polytechnic is organising a one-day seminar on the subject "**Pollution of Water Bodies in Urban Area**" as an awareness programme. **All India Council for Technical Education, New Delhi** has sponsored this programme. Eminent personalities who have done notable work in this field are participating in the seminar. The students of Science and Technology, members from NGO, other delegates and teachers from various schools and colleges are participating. The seminar aims not only to create the awareness but also provides useful input to the concerned authorities to use the outcome of seminar as guidelines and references in future. Noteworthy efforts are made by the Polytechnic staff in organizing this seminar. I shall appreciate the members of organizing committee and advisory committee for having met on many occasions to provide useful inputs and guidance from time to time. The Thane Municipal Corporation has already done significant work in this field and showed extreme keenness in this programme. This is surely a great moral support to the organizers. The polytechnic will organize many more similar programmes in the future, which will benefit the society.

V.P.M.'s Polytechnic, Thane is an institution of repute which has been accredited by the NBA, New Delhi.

* Programmes Accredited by National Board of Accreditation, New Delhi.

Sr. No.	Name of Diploma Courses	Accreditation Status	Period of validity w.e.f. 19-03-2004
1	Chemical Engineering*	Accredited	3 years
2	Electrical Power System*	Accredited	3 years
3	Industrial Electronics*	Accredited	3 years
4	Instrumentation*	Accredited	3 years
5	Information Technology		
6	Computer Engineering		

Our Vision : ENSURING QUALITY TECHNICAL EDUCATION

Invitation

Vidya Prasarak Mandal's Polytechnic, Thane

We have great pleasure in inviting you to the Inaugural Function of

National Seminar on

Pollution of Water Bodies in Urban Area

(Case Study Thane)

On Sunday, 8th August 2004, at 9.30 a.m.

Dr. D.B. Boralkar

Member Secretary, Maharashtra Pollution Control Board

Will grace the occasion and inaugurate the seminar

Dr. Mohan S. Kodarkar

Reader, PG Department of Zoology, Vivek Vardhini College, Hyderabad

Has kindly consented to deliver the keynote address

Dr. V.V. Bedekar

Chairman, Vidya Prasarak Mandal, Thane

Will preside over the function

Venue : VPM Polytechnic's Auditorium, 1st Floor "Jnanadweep",
Thane College Campus, Chendani, Bunder Road, Thane (W.) 400 601, Maharashtra

We also extend this invitation for the following event,

Valedictory Function - August 8, 2004 at 4.30 pm

Chief Guest - **Shri. Sanjay Sethi** (I.A.S)

Commissioner, Thane Municipal Corporation

Dr. V. V. Bedekar

Chairman

Vidya Prasarak Mandal

S. V. Karandikar

President

Vidya Prasarak Mandal

Prof. D.K. Nayak

Principal

Prof. V.A. Walavalkar

Convener

Dr. Sanjay Joshi &

Mrs. Geetali S. Ingawale

Co-Convener

N.B. Kindly join us for breakfast at 8.30 am

RSVP on 2544 2233

One-Day National Seminar on
Pollution of Water Bodies in Urban Area
 (Case Study Thane)

Time	Details of Session
08.30 to 09.30 hrs.	Registration, Breakfast and Exhibition*
09.30 to 11.15 hrs.	Inaugural Session
09.30 to 09.35 hrs.	Inaugural of Seminar by lighting the lamp and 'Saraswati Vandana' - Mrs. K.S. Agashe
09.35 to 09.40 hrs.	Introduction of Guests
09.40 to 09.50 hrs.	Welcome of Guests
09.50 to 10.00 hrs.	Introduction of VPM's Polytechnic - Prin. D.K. Nayak
10.00 to 10.15 hrs.	Convener's Address - Prof. V.A. Walavalkar
10.15 to 10.35 hrs.	Chief Guest's Address - Dr. D.B. Boralkar
10.35 to 10.45 hrs.	Chairman's Address - Dr. V.V. Bedekar
10.45 to 11.15 hrs.	Key Note Address - Dr. M.S. Kodarkar
11.15 to 11.30 hrs.	Tea Break
11.30 to 13.30 hrs.	First Technical Session
11.30 to 11.35 hrs.	Introduction of 'Chairperson'
11.35 to 11.55 hrs.	Status of Water Supply : Mr. K.D. Lala
11.55 to 12.15 hrs.	Paper of status of Lakes of Thane City - Dr. Ajay Deshpande
12.15 to 12.35 hrs.	Paper on status of Thane Creek - Dr. Goldin Quadros
12.35 to 12.55 hrs.	Paper on status of water quality of wells and tube wells - Dr. N.T. Joshi
12.55 to 13.15 hrs.	Paper on Impact of Environmental Awareness; Ganapati Immersion in Masunda Lake - Prof. V.A. Walavalkar
13.15 to 13.30 hrs.	Summary of the session by Chairperson
13.30 to 14.15 hrs.	Lunch Break
14.15 to 16.15 hrs.	Second Technical Session
14.15 to 14.20 hrs.	Introduction of 'Chairperson'
14.20 to 14.40 hrs.	Paper on Role of TMC in controlling water pollution - Mrs. Manisha Pradhan
14.40 to 15.00 hrs.	Paper on Bioremediation of Lakes of Thane City - Dr. Sharma/ Dr. S.S. Barve
15.00 to 15.20 hrs.	Paper on legal aspect of protection of urban water bodies - Advocate Sadhana Mahashabde
15.20 to 15.40 hrs.	Paper on NGO's and Environmental Issues - Dr. Sanjay D. Joshi
15.40 to 16.00 hrs.	Summary of the session by Chairperson
16.00 to 16.15 hrs.	Tea Break
16.15 to 17.00 hrs.	Concluding Session
16.15 to 16.30 hrs.	Overall Summary of the seminar - Dr. Sanjay Deshmukh
16.30 to 17.00 hrs.	Views of Chief Guest of the session - Mr. Sanjay Sethi
	Vote of Thanks - Mrs. G.S. Ingawale

* Exhibition is open between 08.30 hrs. to 17.30 hrs.

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