

One Day Brainstorming
on
“Frothing Lakes : Causes and Mitigation”
(FROTH 2019)

January 09, 2019
at Hotel Royal Reve, Hyderabad

REGISTRATION FORM

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Organized By:
CSIR - National Environmental Engineering Research Institute (NEERI)
Hyderabad Zonal Centre, IICT Campus, Uppal Road,
Hyderabad-500007

INTRODUCTION

Hyderabad, the city of pearls, is one of the fastest growing 'Megacities to be' along with rapid urbanization and industrialization. Hyderabad also known as the city of lakes had over 3000 lakes in the 70's; only 50% of them remain today due to encroachment, construction etc. In the recent past, several lakes of Hyderabad have witnessed froth formation especially during monsoon season.

The frothing problem in lakes was first observed during September 2016 and subsequently in June 2017. During 2018 monsoon, the frothing problem continued due to heavy rainfall. The froth even entered into the houses and overflowed on the roads adjacent to the lakes. Several experts expressed concern about the health problems being caused by frothing.

CSIR-National Environmental Engineering Research Institute (NEERI) and Engineering Staff College of India (ESCI) have separately conducted scientific studies on Bellandur lake, Bengaluru and found filamentous bacteria as one of the causes of frothing. However, more detailed scientific studies are warranted.

While the argument over frothing lakes is still continuing, local community and NGOs opine that unauthorized dumping of untreated waste water having toxic chemicals is triggering the frothing of several lakes. Moreover, Telangana State Pollution Control Board (TSPCB) reported untreated sewage and detergents as some of the possible causes of frothing in lakes.

To address these issues, a one day brainstorming on "Frothing Lakes: Causes and Mitigation" is proposed to be organized by CSIR-NEERI, HZC at Hyderabad on January 09, 2019 wherein the participants are expected from the concerned state government departments, industries, academic institutions, consultants and the representatives of local community.

BACKGROUND

The frothing problem in lakes like Ibrahimbagh Cheruvu, Parkhi Cheruvu, Nacharam Cheruvu, Nalla Cheruvu, Hasmathpet lake, RK Puram Cheruvu of Hyderabad was noticed in recent past due to sudden floods caused by heavy rainfall.

Lately, frothing has also been observed in the Hussainsagar, Musi in Chaderghat and Hussainsagar surplus nala even within a short spell of rain. As frothing of lakes in Hyderabad has become a frequently occurring phenomena, a similar situation

may arise in other lakes which needs to be addressed on priority basis. Therefore, the proposed one day brainstorming event will address the following:

- Identification of sources of frothing
- Impact on Environment and human Health
- Remedial measures

EXPECTED OUTCOMES

The proposed brainstorming event will help in identifying the causes of frequent frothing and techniques to control. The output of the discussions will be submitted to the concerned Government Departments for necessary action and help the policy makers to plan the future strategies to abate frothing.

Participants

Scientists/ Researchers, Academicians, Engineers, NGO, Consultants, Persons from Industry, Planners and Policy makers are expected to share their knowledge, skills, experience and expertise through case studies and deliberations.

Venue

The Brainstorming event is organized by CSIR-National Environmental Engineering Research Institute (NEERI), Hyderabad Zonal Centre at Hotel Royal Reve, Hyderabad.

Sponsorship

The proposed Brainstorming Event will be attended by various professionals across India. It gives an ample opportunity to the industries, consultants and organizations to interact and publicize their services and products. The sponsorships are invited as per the tariff given below:

Platinum	:	Rs.75,000/-
Gold	:	Rs. 50,000/-
Silver	:	Rs. 25,000/-

The names of sponsors shall be published suitably at the venue and in the proceedings.

The Payment towards sponsorship may be made through NEFT (Director, CSIR-NEERI, Nagpur, SBI. A/c No.30266513766, IFSC Code SBIN0004224 or DD / Cheque drawn in favour, Director, CSIR-NEERI, Nagpur and payable at Nagpur.

ABOUT CSIR-NEERI

NEERI is a constituent of Council of Scientific and Industrial Research (CSIR), New Delhi and has a nation-wide presence with its five zonal centres at Hyderabad, Delhi, Mumbai, Kolkata and Chennai. NEERI is devoted to research and innovations in environmental science and engineering besides solving a range of problems posed by pollution from industries, government and public.

HYDERABAD ZONAL CENTRE

CSIR-NEERI Hyderabad Zonal Centre (HZC) was established in the year 1960 and was the first zonal centre started by CSIR-NEERI. The focus of the HZC is to identify, predict and assess the significance of environmental and social effects of any developmental activity on air, water, noise levels, land use and ecology. It also provides input and advice on mitigation options, monitoring measures to prevent, reduce or remedy significant adverse impacts on the environment including coastal/ marine environment.



About Hyderabad

Hyderabad is the capital of Telangana State, India. A major center for the technology industry, it is home to many upscale restaurants and malls. Its historic sites include Golconda Fort, a former diamond-trading center that was once the Qutb Shahi dynastic capital. The Charminar, a 16th-century mosque whose 4 arches support towering minarets, is an old city landmark near the long-standing Laad Bazaar.

